

5.5

*IBM OMEGAMON for Db2 Performance
Expert on z/OS
Parameter Reference*



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IBM Confidential. This edition applies to the IBM® OMEGAMON for DB2® Performance Expert on z/OS VNext Sponsor User Program (product number 5655-W37) only.

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About this information

IBM OMEGAMON for Db2 Performance Expert on z/OS (also referred to as OMEGAMON for Db2 Performance Expert) is a performance analysis, monitoring, and tuning tool for Db2 on z/OS® environments.

The document is part of the OMEGAMON for Db2 Performance Expert documentation library which provides instructions for installing, configuring, and using OMEGAMON for Db2 Performance Expert and is designed to help database administrators, system programmers, application programmers, and system operators perform these tasks:

- Plan for the installation of OMEGAMON for Db2 Performance Expert
- Install and operate OMEGAMON for Db2 Performance Expert
- Customize your OMEGAMON for Db2 Performance Expert environment
- Diagnose and recover from OMEGAMON for Db2 Performance Expert problems
- Design and write applications for OMEGAMON for Db2 Performance Expert
- Use OMEGAMON for Db2 Performance Expert with other DB2 products

Chapter 1. Overview

IBM OMEGAMON for Db2 Performance Expert on z/OS (OMEGAMON for Db2 Performance Expert) enables you to monitor, analyze, and tune the performance of your Db2 subsystems and Db2 applications.

Service updates and support information

Service updates and support information for this product, including software fix packs, PTFs, frequently asked questions (FAQs), technical notes, troubleshooting information, and downloads, are available from the web.

To find service updates and support information, see the following website:

<https://www.ibm.com/support/pages/omegamon-xe-db2-pepm-web-based-delivery-and-updates-windows-and-unix-based-components>

How to read syntax diagrams

The rules in this section apply to the syntax diagrams that are used in this publication.

Arrow symbols

Read the syntax diagrams from left to right, from top to bottom, following the path of the line.



Two right arrows followed by a line indicate the beginning of a statement.



One right arrow at the end of a line indicates that the statement syntax is continued on the next line.



One right arrow followed by a line indicates that a statement is continued from the previous line.



A line followed by a right arrow and a left arrow indicates the end of a statement.

Conventions

- SQL commands appear in uppercase.
- Variables appear in italics (for example, *column-name*). They represent user-defined parameters or suboptions.
- When entering commands, separate parameters and keywords by at least one blank if there is no intervening punctuation.
- Enter punctuation marks (slashes, commas, periods, parentheses, quotation marks, equal signs) and numbers exactly as given.
- Footnotes are shown by a number in parentheses, for example, (1).

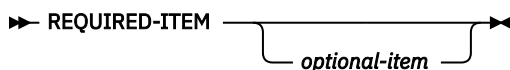
Required items

Required items appear on the horizontal line (the main path).



Optional items

Optional items appear below the main path.

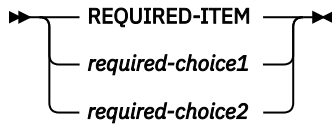


If an optional item appears above the main path, that item has no effect on the execution of the statement and is used only for readability.

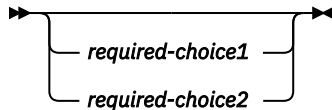


Multiple required or optional items

If you can choose from two or more items, they appear vertically in a stack. If you *must* choose one of the items, one item of the stack appears on the stack main path.

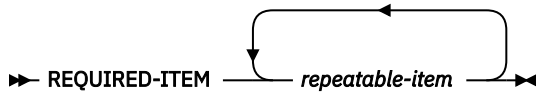


If choosing one of the items is optional, the entire stack appears below the main path.

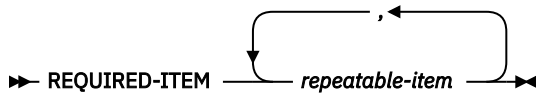


Repeatable items

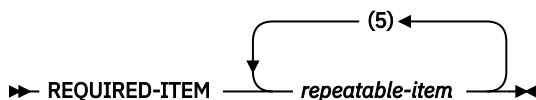
An arrow returning to the left above the main line indicates that an item can be repeated.



If the repeat arrow contains a comma, you must separate repeated items with a comma.



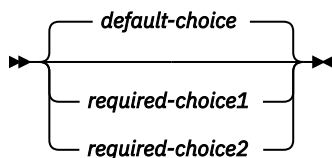
If the repeat arrow contains a number in parenthesis, the number represents the maximum number of times that the item can be repeated.



A repeat arrow above a stack indicates that you can specify more than one of the choices in the stack.

Default keywords

IBM-supplied default keywords appear above the main path, and the remaining choices are shown below the main path. In the parameter list following the syntax diagram, the default choices are underlined.



Conventions

These conventions are used throughout the documentation.

Symbols

The following symbols might appear in command syntax:

Symbol	Usage
	<p>The or symbol is used to denote a choice. You can use the argument on the left or the argument on the right. For example:</p> <pre>YES NO</pre> <p>In this example, you can specify YES or NO.</p>
()	<p>Denotes optional arguments. Arguments that are not enclosed in square brackets are required. For example:</p> <pre>APPLDEST DEST (ALTDEST)</pre> <p>In this example, DEST is a required argument and ALTDEST is optional.</p>
{ }	<p>Some documents use braces to denote mandatory arguments, or to group arguments for clarity. For example:</p> <pre>COMPARE {workload} - REPORT={SUMMARY HISTOGRAM}</pre> <p>In this example, the workload variable is mandatory. The REPORT keyword must be specified with a value of SUMMARY or HISTOGRAM.</p>
-	<p>Default values are underscored. For example:</p> <pre>COPY infile outfile - [COMPRESS={<u>YES</u> NO}]</pre> <p>In this example, the COMPRESS keyword is optional. If specified, the only valid values are YES or NO. If omitted, the default is YES.</p>

Notation conventions

The following conventions are used when referring to high-level qualifiers:

hilev

A high-level qualifier. The high-level qualifier is the first prefix or set of prefixes in the data set name. Site-specific high-level qualifiers are shown in italics.

For example:

- *thilev* refers to the high-level qualifier for your target data set.
- *rhilev* refers to the high-level qualifier for your runtime data set.

For members in target libraries, the high-level qualifier is *thilev* rather than *rhilev*.

- *shilev* refers to the SMP/E library high-level qualifier.

Terminology

The following table shows the products that are described in this publication and the short names with which they are referred to throughout this publication.

<i>Table 1. Product names and their short names</i>	
Product name	Short name
IBM OMEGAMON for Db2 Performance Expert on z/OS	OMEGAMON for Db2 Performance Expert
IBM zSystems Monitoring Configuration Manager	Configuration Manager

Accessibility features

Accessibility features help a user who has a physical disability, such as restricted mobility or limited vision, to use a software product successfully.

The major accessibility features in this product enable users to perform the following activities:

- Use assistive technologies such as screen readers and screen magnifier software. Consult the assistive technology documentation for specific information when using it to access z/OS interfaces.
- Customize display attributes such as color, contrast, and font size.
- Operate specific or equivalent features by using only the keyboard. Refer to the following publications for information about accessing ISPF interfaces:
 - *z/OS ISPF User's Guide, Volume 1*
 - *z/OS TSO/E Primer*
 - *z/OS TSO/E User's Guide*

These guides describe how to use the ISPF interface, including the use of keyboard shortcuts or function keys (PF keys), include the default settings for the PF keys, and explain how to modify their functions.

Chapter 2. Getting started

OMEGAMON for Db2 Performance Expert provides parameters for setting and storing configuration values.

Parameter names

Parameters can have different names such as the Configuration Tool name or BATCH parameter name.

Most parameters have several different names:

Parameter name

Name of the parameter as stored in a runtime library.

Configuration Tool field name

Name of the field that identifies the parameter on an interactive panel.

Batch parameter name

Name of the parameter in the batch parameter member.

PARMGEN name

Name of the parameter in the PARMGEN or Configuration Manager parameter list. The PARMGEN name applies equally to parameter names in Configuration Manager.

Variable place holders

These place holders are used in the parameter descriptions that follow.

Variable placeholder	Description
&O2CINAME	The name of the OMEGAMON Collector started task
&D2PWASNM	The name of the Performance Warehouse start job
&RTENAME	The name of the runtime environment
&RTESTCP	The started task prefix as specified in the runtime environment settings
&RTEU	The unit that is specified in the runtime environment settings for VSAM and non-VSAM libraries
&RTESTOR	The storage class specified in the runtime environment settings for non-VSAM libraries
&RTESMGT	The management class specified in the runtime environment settings for non-VSAM libraries
&RTEV	The volume serial (volser) specified in the runtime environment settings for non-VSAM libraries
&RTEVV	The volume serial (volser) specified in the runtime environment settings for VSAM libraries
&RTEVSTOR	The storage class specified in the runtime environment settings for VSAM libraries
&RTEVMGT	The management class specified in the runtime environment settings for VSAM libraries

Table 2. Variable place holders used in the parameter descriptions (continued)

Variable placeholder	Description
&D2SECTYP	The security system specified in the runtime environment settings

Additional considerations

- Parameters that are written to configuration members mostly have a *<value>* as a place holder in the parameter name attribute. This place holder is replaced during creation of the configuration members.
- Some member names contain *ssid* written in lower case. This place holder is replaced with the subsystem ID of the target monitored database system. These configuration members exist for each configured monitored database.

Creating Db2 subsystem configurations

Db2 subsystem (and data sharing) configurations are configured along all other configuration parameters in the Configuration Manager RTEDEF data sets member KD5* or the PARMGEN user profile. They are identified by **KD2_DBxx** where *xx* is the number that distinguishes different DB2 subsystem configurations.

For example, **KD2_DB01** refers to the first DB2 subsystem configuration and **KD2_DB02** refers to the second DB2 subsystem configuration. You can create up to 99 DB2 subsystem configurations.

The section that holds DB2 subsystem configurations is structured as follows:

```
KD2_DB          BEGIN
KD2_DBxx_ROW   xx
...
KD2_DByy_ROW   yy
...
KD2_DB          END
```

where *xx* and *yy* are the numbers of those two DB2 subsystem configurations. The parameter **KD2_PFxx_PROFID** contains the ID that is used to assign a DB2 subsystem configuration with a DB2 profile.

In order to assign a DB2 profile to a DB2 subsystem configuration, use the parameter **KD2_DBzz_DB2_PROFID**. For example, to assign the DB2 profile **P0zz** to a DB2 subsystem configuration set, use the following parameter:

```
KD2_DBxx_DB2_PROFID  P0zz
```

Tip: Use the Configuration Manager DISCOVER action to produce an RTEDEF(KD5@*<lpar>*) member that contains a basic set of Db2 subsystem configuration parameters.

Creating Db2 profiles

Db2 profiles are configured along all other configuration parameters in Configuration Manager RTEDEF data set members KD5* or the PARMGEN user profile. They are identified by **KD2_PFxx** where *xx* is the number that distinguishes different Db2 profiles.

For example, **KD2_PF01** refers to the first Db2 profile and **KD2_PF02** refers to the second Db2 profile. You can create up to 99 Db2 profiles.

The section that holds Db2 profiles is structured as follows:

```
KD2_PF          BEGIN
KD2_PFxx_ROW   xx
```

```

KD2_PFxx_PROFID      P0xx
KD2_PFxx_DESCRIPTION "P0xx prof"
...

KD2_PFyy_ROW        yy
KD2_PFyy_PROFID     P0yy
KD2_PFyy_DESCRIPTION "P0yy prof"
...

KD2_PF              END

```

where *xx* and *yy* are the numbers of those two DB2 profiles. The parameter **KD2_PFxx_PROFID** contains the ID that is used to assign a DB2 subsystem configuration with a DB2 profile. You can choose your ID as you like but it is recommended to include the number that identifies the DB2 profile in the ID in order to easily identify the relationship between DB2 subsystems and DB2 profiles.

In order to assign a DB2 profile to a DB2 subsystem configuration, use the parameter **KD2_DBzz_DB2_PROFID**. For example, to assign the DB2 profile **P0xx** to a DB2 subsystem configuration set, use the following parameter:

```

KD2_DBzz_DB2_PROFID  P0xx

```

Chapter 3. Parameter information

These topics list the parameters you might need to configure for various product functions and environments.

Product parameters

OMEGAMON for Db2 Performance Expert's product parameters control the configuration of the OMEGAMON Collector, server, user interfaces, and Db2 subsystem monitoring.

<i>Table 3. Global parameters</i>
Configure these parameters:
“GBL_DB2_KD2_CLASSIC_STC” on page 15
“GBL_DSN_DB2_DSNEXIT” on page 15
“GBL_DSN_DB2_LOADLIB_V11” on page 16
“GBL_DSN_DB2_LOADLIB_V12” on page 17
“GBL_DSN_DB2_LOADLIB_V13” on page 18
“GBL_DSN_DB2_RUNLIB_V11” on page 18
“GBL_DSN_DB2_RUNLIB_V12” on page 19
“GBL_DSN_DB2_RUNLIB_V13” on page 20

<i>Table 4. Classic UI parameters</i>
Configure these parameters:
“KD2_CLASSIC_DB2ID_DEFAULT” on page 21
“KD2_CLASSIC_DB2PM_PLANPKG_OWNER” on page 22
“KD2_CLASSIC_LROWS” on page 24
“KD2_CLASSIC_MVS_SYSID” on page 25
“KD2_CLASSIC_UMAX” on page 25
“KD2_CLASSIC_USER_PROFILE” on page 26
“KD2_CLASSIC_VTAM_APPL_LOGON” on page 27
“KD2_CLASSIC_VTAM_NODE” on page 28

<i>Table 5. General OMPE parameters</i>
Configure these parameters:
“KD2_OMPE_AUTH_FAIL” on page 53
“KD2_OMPE_VSAM_VOLUME” on page 88
“KD2_OMPE_AUTODETECT” on page 54
“KD2_OMPE_CCPC_TIMER” on page 55
“KD2_OMPE_CCPC_TRACE” on page 56
“KD2_OMPE_CF_REBUILT” on page 57

Table 5. General OMPE parameters (continued)

Configure these parameters:

[“KD2_OMPE_CHECKSYS” on page 57](#)

[“KD2_OMPE_CPU_PARALLEL” on page 58](#)

[“KD2_OMPE_DB2_EVENT” on page 59](#)

[“KD2_OMPE_DB2_EXIT” on page 60](#)

[“KD2_OMPE_DB2_USER” on page 60](#)

[“KD2_OMPE_DEADLOCK” on page 61](#)

[“KD2_OMPE_DSHLQ” on page 62](#)

[“KD2_OMPE_DSN_EXTENT” on page 63](#)

[“KD2_OMPE_DSP_SIZE” on page 64](#)

[“KD2_OMPE_EDMP_FULL” on page 64](#)

[“KD2_OMPE_EXTENT_THOLD” on page 65](#)

[“KD2_OMPE_GLOBAL_TRACE” on page 66](#)

[“KD2_OMPE_GRANT_AGUSER” on page 66](#)

[“KD2_OMPE_GRANT_EXUSER” on page 67](#)

[“KD2_OMPE_GRANT_PEUSER” on page 67](#)

[“KD2_OMPE_GRANT_PWUSER” on page 68](#)

[“KD2_OMPE_ISPF_LANGUAGE” on page 68](#)

[“KD2_OMPE_LOGSPACE” on page 69](#)

[“KD2_OMPE_MAX_SESSIONS” on page 70](#)

[“KD2_OMPE_MGMTCLAS” on page 70](#)

[KD2_OMPE_OPTS_NTHDB2I](#)

[“KD2_OMPE_PE_SUPPORT” on page 71](#)

[“KD2_OMPE_RUNALLOC” on page 72](#)

[“KD2_OMPE_SHARED_PROFILE_LIB” on page 73](#)

[“KD2_OMPE_STOCLAS” on page 73](#)

[“KD2_OMPE_SUB_D2PADASP” on page 74](#)

[“KD2_OMPE_SUB_D2PAGRPN” on page 75](#)

[“KD2_OMPE_SUB_D2PARCVT” on page 76](#)

[“KD2_OMPE_SUB_D2PASSIT” on page 77](#)

[“KD2_OMPE_SUB_D2PATSEC” on page 77](#)

[“KD2_OMPE_SUB_D2PAXCFT” on page 78](#)

[“KD2_OMPE_SYSAFF” on page 79](#)

[“KD2_OMPE_TCPIP_ADDRESS” on page 80](#)

[“KD2_OMPE_TCPIP_NAME” on page 81](#)

<i>Table 5. General OMPE parameters (continued)</i>
Configure these parameters:
“KD2_OMPE_THREAD_COMMIT” on page 81
“KD2_OMPE_TIMEOUT” on page 82
“KD2_OMPE_TRACE_LEVEL” on page 83
“KD2_OMPE_UNIT” on page 83
“KD2_OMPE_UR” on page 84
“KD2_OMPE_USE_MODEL” on page 85
“KD2_OMPE_VOLUME” on page 86
“KD2_OMPE_VSAM_DSHLQ” on page 86
“KD2_OMPE_VSAM_MGMTCLAS” on page 87
“KD2_OMPE_VSAM_STOCLAS” on page 88

<i>Table 6. OMEGAMON Collector parameters</i>
Configure these parameters:
“KD2_PFn_HIS_BUFSIZE” on page 130
“KD2_PFn_HIS_COLL_INTV” on page 131
“KD2_PFn_HIS_DB2_STAT” on page 132
“KD2_PFn_HIS_DYN_MCLAS” on page 133
“KD2_PFn_HIS_DYN_SCLAS” on page 134
“KD2_PFn_HIS_DYN_UNIT” on page 136
“KD2_PFn_HIS_DYN_VOLUME” on page 137
“KD2_PFn_HIS_GDG_DSNAME” on page 137
“KD2_PFn_HIS_GDG_MCLAS” on page 139
“KD2_PFn_HIS_GDG_SCLAS” on page 140
“KD2_PFn_HIS_GDG_UNIT” on page 141
“KD2_PFn_HIS_GDG_VOLUME” on page 141
“KD2_PFn_HIS_IFIREAD” on page 142
KD2_PFn_HIS_LOG_NUM
“KD2_PFn_HIS_NEQSQL” on page 144
“KD2_PFn_HIS_POSTPCT” on page 144
“KD2_PFn_HIS_SEQ_ARC_GDGLIM” on page 146
KD2_PFn_HIS_SEQ_LOG_NUM
KD2_PFn_HIS_SEQ_MCLAS
KD2_PFn_HIS_SEQ_SCLAS
KD2_PFn_HIS_SEQ_UNIT
KD2_PFn_HIS_SEQ_VOLUME

<i>Table 6. OMEGAMON Collector parameters (continued)</i>	
Configure these parameters:	
“KD2_PFn_HIS_START” on page 153	
“KD2_PFn_HIS_SUBINT” on page 154	
“KD2_PFn_HIS_SUBINT_UNIT” on page 155	
“KD2_PFn_HIS_SUSPCOLL” on page 156	
KD2_PFn_HIS_VSAM_MCLAS	
KD2_PFn_HIS_VSAM_SCLAS	
KD2_PFn_HIS_VSAM_VOLUME	
“KD2_PFn_HIS_WHEN_AUTHID” on page 160	
“KD2_PFn_HIS_WHEN_CONNID” on page 161	
“KD2_PFn_HIS_WHEN_CORRID” on page 162	
“KD2_PFn_HIS_WHEN_ORIG” on page 162	
“KD2_PFn_HIS_WHEN_PLAN” on page 163	

<i>Table 7. Other parameters</i>	
Configure these parameters:	
“KD2_PLAN_NAME_OVERRIDE” on page 205	
“KD2_PFn_SQLID” on page 194	

Monitoring profile parameters

A **monitoring profile** is a set of configuration values that, when associated with a Db2 subsystem, controls the monitoring functions associated with the Db2 subsystem. If you have multiple Db2 subsystems with the same monitoring requirements, you can use the same monitoring profile for all of the Db2 subsystems. Monitoring profiles are reusable for Db2 subsystems that reside different LPARs and allow you to make changes to monitoring functionality without having to reconfiguring multiple individual Db2 subsystems.

As the runtime members for a Db2 subsystem depend on the configuration values of the monitoring profile as well as the configuration values of the Db2 subsystem itself, the creation of the runtime members requires two steps. The first step creates the profile members, where all values that are specific to the Db2 subsystem are substituted by variables, and writes them to *&rhilev.&rte.RKD2PRF*. The second step replaces these variables with the actual configuration values of the Db2 subsystem and writes the members to *&rhilev.&rte.RKD2SAM* and *&rhilev.&rte.RKD2PAR*.

<i>Table 8. Monitoring functions and parameter sets</i>	
For these monitoring functions:	Configure the parameters listed in these parameter sets:
Object analysis	“KD2_PFn_OA - Object analysis” on page 164
Periodic exception processing	“KD2_PFn_AEXCP - Periodic exception processing” on page 90
Thread history	“KD2_PFn_THRDHIS - Thread history” on page 199
Snapshot history	“KD2_PFn_SH - Snapshot history” on page 170

<i>Table 8. Monitoring functions and parameter sets (continued)</i>	
For these monitoring functions:	Configure the parameters listed in these parameter sets:
Db2 Explain	“KD2_PFn_EX - Db2 Explain” on page 104
Db2 SQL Performance Analyzer	“KD2_PFn_SQLPA - Db2 SQL Performance Analyzer” on page 195
Db2 traces	“KD2_PFn_TRACES - Db2 traces” on page 202
Additional monitoring features	“KD2_PFn_ACS - Monitoring” on page 89
	“KD2_PFn_READA - Monitoring” on page 168

Db2 subsystem and related parameters

This section lists the Db2 subsystem parameters including those that control the PE Client.

Use these Db2 subsystem parameters to configure the following components:

- Db2 subsystem and PE Client
- Performance Warehouse
- PE Client

<i>Table 9. Db2 subsystem and related functions and parameter sets</i>	
For these product functions:	Configure the parameters listed in these parameter sets:
Db2 subsystem PE Client	“KD2_DBnn_DB2 - Db2 subsystems” on page 28
Performance Warehouse	“KD2_DBnn_PWH - Performance Warehouse” on page 37

Chapter 4. GBL - Global

The GBL parameters control various global settings for your environment.

GBL_DB2_KD2_CLASSIC_STC

OMEGAMON Collector started task

Description

The name of the OMEGAMON Collector started task. This name should conform to any security facility in place in your installation.

Required or optional

Required

Default value

%RTE_STC_PREFIX%D2

Location where the parameter value is stored

This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name

OMEGAMON Collector Information

Panel ID

KD261PN

Panel field

Started task

Default value

&RTESTCP.O2

Batch parameter name

KD2_CLA_STC

PARMGEN name

GBL_DB2_KD2_CLASSIC_STC

PARMGEN classification

CLA

GBL_DSN_DB2_DSNEXIT

DB2 exit library

Description

The name of the dataset in which the DB2 exit load modules reside that should be used by the OMEGAMON Collector.

Required or optional

Optional

Default value

DSN.V9R1M0.DSNEXIT

Location where the parameter value is stored

In the &O2CINAME member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
// DD DISP=SHR,DSN=<value>
```

In the Configuration Tool (ICAT)

Panel name

DB2 Libraries

Panel ID

KD261P0

Panel field

Specify a DB2 exit library

Default value

None

Batch parameter name

KD2_OMPE_DB2EXIT

PARMGEN name

GBL_DSN_DB2_DSNEXT

PARMGEN classification

DB2

GBL_DSN_DB2_LOADLIB_V11

Load library for DB2 Version 11

Description

The name of the dataset in which the DB2 load modules reside. Specify one DB2 load library for each DB2 subsystem version that you want to monitor.

Required or optional

Optional

Default value

None

Locations where the parameter value is stored

Location 1

In the &O2CINAME member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
// DD DISP=SHR,DSN=<value>
```

Location 2

In the &O2CINAME member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
<value> +
```

Location 3

In the CRTDB2M member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

```
<value> +
```

In the Configuration Tool (ICAT)

Panel name

DB2 Libraries

Panel ID

KD261P0

Panel field

DB2 Version 11

Default value

None

Batch parameter name

KD2_OMPE_DB2LOADLIB_V11

PARMGEN name

GBL_DSN_DB2_LOADLIB_V11

PARMGEN classification

DB2

GBL_DSN_DB2_LOADLIB_V12

Load library for DB2 Version 12

Description

The name of the dataset in which the DB2 load modules reside. Specify one DB2 load library for each DB2 subsystem version that you want to monitor.

Required or optional

Optional

Default value

None

Locations where the parameter value is stored**Location 1**

In the &O2CINAME member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
// DD DISP=SHR,DSN=<value>
```

Location 2

In the &O2CINAME member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
<value> +
```

Location 3

In the CRTDB2M member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

```
<value> +
```

In the Configuration Tool (ICAT)**Panel name**

DB2 Libraries

Panel ID

KD261P0

Panel field

DB2 Version 12

Default value

None

Batch parameter name

KD2_OMPE_DB2LOADLIB_V12

PARMGEN name

GBL_DSN_DB2_LOADLIB_V12

PARMGEN classification

DB2

GBL_DSN_DB2_LOADLIB_V13

Load library for Db2 Version 13

Description

The name of the data set in which the Db2 load modules reside. Specify one Db2 load library for each DB2 subsystem version that you want to monitor.

Required or optional

Optional

Default value

None

Locations where the parameter value is stored

Location 1

In the &O2CINAME member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
// DD DISP=SHR,DSN=<value>
```

Location 2

In the &O2CINAME member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
<value> +
```

Location 3

In the CRTDB2M member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

```
<value> +
```

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_OMPE_DB2LOADLIB_V13

PARMGEN name

GBL_DSN_DB2_LOADLIB_V13

PARMGEN classification

DB2

GBL_DSN_DB2_RUNLIB_V11

Run library for DB2 Version 11

Description

The name of the dataset in which the DB2 RUNLIB load modules reside. Specify one DB2 run library for each DB2 subsystem version that you want to monitor.

This library should contain the modules DSNTIAD and DSNTIAUL to be used to run in batch. The run library is used to generate GRANT and BIND jobs that prepare the DB2 subsystems for monitoring. See Complete the configuration for details.

Required or optional

Optional

Default value

None

Locations where the parameter value is stored

Location 1

In the &O2CINAME member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

<value> +

Location 2

In the CRTDB2M member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

<value> +

In the Configuration Tool (ICAT)**Panel name**

DB2 Libraries

Panel ID

KD261P0

Panel field

DB2 Version 11

Default value

None

Batch parameter name

KD2_OMPE_DB2RUNLIB_V11

PARMGEN name

GBL_DSN_DB2_RUNLIB_V11

PARMGEN classification

DB2

GBL_DSN_DB2_RUNLIB_V12

Run library for DB2 Version 12

Description

The name of the dataset in which the DB2 RUNLIB load modules reside. Specify one DB2 run library for each DB2 subsystem version that you want to monitor.

This library should contain the modules DSNTIAD and DSNTIAUL to be used to run in batch. The run library is used to generate GRANT and BIND jobs that prepare the DB2 subsystems for monitoring. See Complete the configuration for details.

Required or optional

Optional

Default value

None

Locations where the parameter value is stored**Location 1**

In the &O2CINAME member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

<value> +

Location 2

In the CRTDB2M member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

<value> +

In the Configuration Tool (ICAT)**Panel name**

DB2 Libraries

Panel ID

KD261P0

Panel field

DB2 Version 12

Default value

None

Batch parameter name

KD2_OMPE_DB2RUNLIB_V12

PARMGEN name

GBL_DSN_DB2_RUNLIB_V12

PARMGEN classification

DB2

GBL_DSN_DB2_RUNLIB_V13

Run library for Db2 Version 13

Description

The name of the data set in which the Db2 RUNLIB load modules reside. Specify one Db2 run library for each Db2 subsystem version that you want to monitor.

This library should contain the modules DSNTIAD and DSNTIAUL to be used to run in batch. The run library is used to generate GRANT and BIND jobs that prepare the Db2 subsystems for monitoring. See Complete the Configuration for details.

Required or optional

Optional

Default value

None

Locations where the parameter value is stored**Location 1**

In the &O2CINAME member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

<value> +

Location 2

In the CRTDB2M member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

<value> +

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_OMPE_DB2RUNLIB_V13

PARMGEN name

GBL_DSN_DB2_RUNLIB_V13

PARMGEN classification

DB2

Chapter 5. KD2 - OMEGAMON Collector

The KD2 parameters configure and control the OMEGAMON Collector.

KD2_CLASSIC - Classic UI

The KD2_CLASSIC parameters control the Classic UI behavior in your environment.

KD2_CLASSIC_DB2ID_DEFAULT

Default DB2 ID

Description

Specify the default DB2 subsystem ID for real-time VTAM mode connection. When you log on to Classic Interface, this is the default DB2 subsystem to be monitored.

With datasharing group support, a new value for the default DB2 ID was introduced NONE. If you specify NONE and log on to Classic Interface, you are routed to the ZRLOG panel that lists all DB2 subsystems with status information and allows you to select the DB2 subsystems that you want to monitor. NONE is used as the default value.

Required or optional

Required

Default value

NONE

Locations where the parameter value is stored

Location 1

In the KD2COLLP member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
DEFAULT_DB2_SUBSYSTEM(<value>)
```

Location 2

In the RVTMssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
DB2=<value>, !X
```

Location 3

In the &O2CINAME member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
EXEC RVTM<value>
```

In the Configuration Tool (ICAT)

Panel name

Classic Interface Information

Panel ID

KD261PO

Panel field

Default DB2 ID for real-time VTAM mode

Default value

NONE

Batch parameter name

KD2_CLA_DB2ID_DFLT

PARMGEN name

KD2_CLASSIC_DB2ID_DEFAULT

PARMGEN classification

CLA

KD2_CLASSIC_DB2PM_PLANPKG_OWNER

OMEGAMON Collector plan/package owner

Description

The OMEGAMON Collector plan/package owner is the USERID/GROUPID that will be granted the authority to administrate the OMEGAMON Collector, for example to rebind the DB2 packages. This USERID/GROUPID is specified as the OWNER of the OMEGAMON Collector's plan and packages when the plan and the packages are bound.

Required or optional

Required

Default value

DB2PM

Locations where the parameter value is stored**Location 1**In the CRTDB2 member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

<value> +

Location 2In the CRTDB2M member of the *rhilev.midlev.rtename*.RKD2PRF library**Output line**

<value> +

Location 3In the CRTDB2M member of the *rhilev.midlev.rtename*.RKD2PRF library**Output line**

<value> +

Location 4In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

GRANT SELECT ON SYSIBM.SYSINDEXES TO <value>;

Location 5In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

GRANT SELECT ON SYSIBM.SYSPACKSTMT TO <value>;

Location 6In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

GRANT SELECT ON SYSIBM.SYSTABLES TO <value>;

Location 7In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

GRANT SELECT ON SYSIBM.SYSSTMT TO <value>;

Location 8In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

GRANT SELECT ON SYSIBM.SYSPLAN TO <value>;

Location 9

In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

GRANT SELECT ON SYSIBM.SYSUSERAUTH TO <value>;

Location 10

In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

GRANT PACKADM ON COLLECTION K020M510 TO <value>;

Location 11

In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

GRANT SELECT ON SYSIBM.SYSTABLESPACE TO <value>;

Location 12

In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

GRANT SELECT ON SYSIBM.SYSSYNONYMS TO <value>;

Location 13

In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

GRANT BINDADD TO <value>;

Location 14

In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

GRANT SELECT ON SYSIBM.SYSDBRM TO <value>;

Location 15

In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

GRANT SELECT ON SYSIBM.SYSPACKAGE TO <value>;

Location 16

In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

GRANT SELECT ON SYSIBM.SYSDATABASE TO <value>;

Location 17

In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

GRANT SELECT ON SYSIBM.SYSSTRINGS TO <value>;

In the Configuration Tool (ICAT)**Panel name**

Global Control Parameters

Panel ID

KD261PI

Panel field

OMEGAMON Collector plan/package owner

Default value

DB2PM

Batch parameter name

KD2_CLA_SEC_AUTH_CLAS

PARMGEN name

KD2_CLASSIC_DB2PM_PLANPKG_OWNER

PARMGEN classification

CLA

KD2_CLASSIC_LROWS

Number of logical rows

Description

LROWS specifies the number of logical rows that are available for the output area on the Classic Interface. The number of logical rows should always be set to a number greater than the number of rows to be displayed on the terminal. The default for LROWS is 255.

Increasing the number of logical rows results in higher storage consumption.

Required or optional

Required

Default value

255

Minimum

99

Maximum

9999

Location where the parameter value is storedIn the RVTMssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

LROWS=<value>, !X

In the Configuration Tool (ICAT)**Panel name**

Classic Interface Information

Panel ID

KD261PO

Panel field

Number of logical rows (LROWS)

Default value

255

Minimum

99

Maximum

9999

Batch parameter name

KD2_CLA_LROWS

PARMGEN name

KD2_CLASSIC_LROWS

PARMGEN classification

CLA

KD2_CLASSIC_MVS_SYSID

z/OS system ID

Description

The name of the z/OS system that the DB2 subsystem runs on. The z/OS system name that you specify here is used to replace the %SY% variable in data set names. If you specify a data set name for a monitoring profile, for example the name of a Near-Term History VSAM log data set, you can use %SY% as a variable for the z/OS system name. If you enable 'Add JES2 JOBPARM SYSAFF to jobs' (KD2_OMPE_SYSAFF), the z/OS system name is used to generate the SYSAFF parameter in the jobcards of the BIND and GRANT jobs generated for the different DB2 subsystems.

Required or optional

Required

Default value

PARMGEN provided SMFID symbol

Locations where the parameter value is stored

Location 1

In the CRTDB2 member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
/*JOBPARM SYSAFF=<value>
```

Location 2

In the CRTDB2M member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

```
/*JOBPARM SYSAFF=<value>
```

Location 3

In the DB2PROF member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

```
DB2_SYSID=<value>
```

In the Configuration Tool (ICAT)

Panel name

Global Control Parameters

Panel ID

KD261PI

Panel field

z/OS system ID (SMFID)

Default value

SYSA

Batch parameter name

KD2_CLA_MVS_SYSID

PARMGEN name

KD2_CLASSIC_MVS_SYSID

PARMGEN classification

CLA

KD2_CLASSIC_UMAX

Maximum number of users

Description

UMAX specifies the maximum number of concurrent sessions the collector can support. The default is 99.

Make sure that you specify enough sessions to support all menusystem and OMEGAVIEW sessions for multiple DB2 subsystems.

Required or optional

Required

Default value

99

Minimum

1

Maximum

99

Location where the parameter value is stored

In the RVTMssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

UMAX=<value>, !X

In the Configuration Tool (ICAT)

Panel name

Classic Interface Information

Panel ID

KD261PO

Panel field

Maximum number of users (UMAX)

Default value

99

Minimum

1

Maximum

99

Batch parameter name

KD2_CLA_UMAX

PARMGEN name

KD2_CLASSIC_UMAX

PARMGEN classification

CLA

KD2_CLASSIC_USER_PROFILE

Profile ID

Description

USER specifies the 2-character profile ID that is to be used for the Classic Interface session. A default profile with the profile ID #P is provided by IBM.

In the profile the configuration options for the ClassicInterface session are specified. You can create a customized profile. To create a new profile, log on to the Classic Interface, modify the selected profile options and save the adjusted profile specifying a 2-character profile ID. If the profile you specified for USER does not exist, the Classic Interface uses the default profile /C for the logon. So you can specify a profile ID for USER now and create the new profile at the first logon to Classic Interface.

Required or optional

Required

Default value

#P

Location where the parameter value is stored

In the RVTMssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

USER=<value>, !X

In the Configuration Tool (ICAT)**Panel name**

Classic Interface Information

Panel ID

KD261PO

Panel field

Profile ID (USER)

Default value

#P

Batch parameter name

KD2_CLA_USER

PARMGEN name

KD2_CLASSIC_USER_PROFILE

PARMGEN classification

CLA

KD2_CLASSIC_VTAM_APPL_LOGON

Classic VTAM logon applid

Description

This specifies a 1-to-8 character name, that will define OBVTAM as an application to VTAM.

Required or optional

Required

Default value

%RTE_VTAM_APPLID_PREFIX%D2C

Location where the parameter value is stored

In the &RTENAME member of the *rhilev.midlev.rtename.RKANPARU* library

Output line

KD2_CLA_VTM_APPL_LOGON!<value>

In the Configuration Tool (ICAT)**Panel name**

Classic Interface Information

Panel ID

KD261PO

Panel field

Classic logon

Default value

None

Batch parameter name

KD2_CLA_VTM_APPL_LOGON

PARMGEN name

KD2_CLASSIC_VTAM_APPL_LOGON

PARMGEN classification

CLA

KD2_CLASSIC_VTAM_NODE

Classic VTAM major node

Description

This specifies the OBVTAM application major node name.

This name is used as the member name to create the OBVTAM VTAM definition in the RKD2SAM library. This member must be moved to SYS1.VTAMLST.

Required or optional

Required

Default value

%RTE_VTAM_APPLID_PREFIX%D2N2

Location where the parameter value is stored

This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name

Classic Interface Information

Panel ID

KD261PO

Panel field

Major node

Default value

None

Batch parameter name

KD2_CLA_VTM_NODE

PARMGEN name

KD2_CLASSIC_VTAM_NODE

PARMGEN classification

CLA

KD2_DBnn_DB2 - Db2 subsystems

The KD2_DBnn_DB2 parameters provide information about your monitored Db2 subsystems.

KD2_DBnn_DB2_DESCRIPTION

DB2 subsystem description

Description

Specify a short description of the DB2 subsystem.

Required or optional

Optional

Default value

SS01 DB2 Subsystem

Location where the parameter value is stored

This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel 1

Panel name

DB2 Subsystem Monitoring Configuration

Panel ID

KD261P9

Panel field

Description

Panel 2**Panel name**

DB2 Subsystem Monitoring Configuration

Panel ID

KD261P9A

Panel field

Description

Default value

SS01 DB2 Subsystem

Batch parameter name

KD2_DB_DB2_DESC

PARMGEN name

KD2_DBnn_DB2_DESCRIPTION

PARMGEN classification

DB2

KD2_DBnn_DB2_DSNTIAD

Dynamic SQL module

Description

The dynamic SQL module that you want to use for generating the jobs that perform GRANT and BIND statements on the DB2 subsystem. This parameter is optional.

Required or optional

Optional

Default value

DSNTIAD

Location where the parameter value is stored

In the DB2PROF member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

DB2_DSNTIAD=<value>

In the Configuration Tool (ICAT)**Panel name**

DB2 Subsystem Information

Panel ID

KD261PD

Panel field

DB2 DSNTIAD module

Default value

DSNTIAD

Batch parameter name

KD2_DB_DB2_DSNTIAD

PARMGEN name

KD2_DBnn_DB2_DSNTIAD

PARMGEN classification

DB2

KD2_DBnn_DB2_DS_GROUP

Monitor data sharing group

Description

Used to specify whether OMEGAMON XE for DB2 PE is to monitor the activity of the whole data sharing group or of the locally connected DB2 subsystem only. The monitor traces must be started on all data sharing group members to monitor their activity. This parameter is ignored, if the DB2 subsystem is not a data sharing member.

Required or optional

Optional (Required in case KD2_OMPE_PE_SUPPORT is set to Y)

Default value

Y

Permissible values

Y, N

Locations where the parameter value is stored**Location 1**

In the DB2PROF member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

DSG=<value>

Location 2

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

DATASHARINGGROUP=<value>

In the Configuration Tool (ICAT)**Panel 1****Panel name**

PE Client Port Information

Panel ID

KD261P5

Panel field

DSG group view (Y, N)

Panel 2**Panel name**

Port Information

Panel ID

KD261P5B

Panel field

DSG group view (Y, N)

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_DB_DB2_DS_GROUP

PARMGEN name

KD2_DBnn_DB2_DS_GROUP

PARMGEN classification

DB2

KD2_DBnn_DB2_LOADLIB

DB2 load library

Description

The DB2 load library that you want to use for generating the jobs that perform GRANT and BIND statements on the DB2 subsystem. This parameter is optional.

Required or optional

Optional

Default value

None

Locations where the parameter value is stored

Location 1

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

DB2LOADLIB=<value>

Location 2

In the DB2PROF member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

DB2_LOADLIB=<value>

In the Configuration Tool (ICAT)

Panel name

DB2 Subsystem Information

Panel ID

KD261PD

Panel field

DB2 load library

Default value

None

Batch parameter name

KD2_DB_DB2_LOADLIB

PARMGEN name

KD2_DBnn_DB2_LOADLIB

PARMGEN classification

DB2

KD2_DBnn_DB2_MONITOR_START

Monitor at startup

Description

Specify whether you want to monitor the DB2 subsystem at startup of the OMEGAMON Collector or not.

Y

The DB2 subsystem is monitored when you start the OMEGAMON Collector.

N

The DB2 subsystem is not monitored when you start the OMEGAMON Collector, even if auto-detection of DB2 subsystems is activated. You can start monitoring the DB2 subsystem via an operator command later. See the Configuration and Customization Guide for details details on operator commands.

KD2_DB_DB2_PORT_NUM

KD2_DBnn_DB2_MONITOR_START updates the xKD2PAR(OMPENMSTS) runtime member as file-tailored by the xKD2PRF(CRTDB2*) submitted job from PARMGEN \$PARSE*-related "Create runtime members" jobs.

DB2SSID=(%KD2_DBnn_DB2_SSID%) * if MONITOR_STARTUP = "Y"

EXCLUDEDB2SSID=(%KD2_DBnn_DB2_SSID%) * if MONITOR_STARTUP = "N"

Required or optional

Required

Default value

Y

Permissible values

Y, N

Location where the parameter value is stored

In the DB2PROF member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line

MONITOR_STARTUP=<value>

In the Configuration Tool (ICAT)

Panel 1

Panel name

DB2 Subsystem Monitoring Configuration

Panel ID

KD261P9

Panel field

Start (Y,N)

Panel 2

Panel name

DB2 Subsystem Monitoring Configuration

Panel ID

KD261P9A

Panel field

Start (Y,N)

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_DB_DB2_MONITOR_START

PARMGEN name

KD2_DBnn_DB2_MONITOR_START

PARMGEN classification

DB2

KD2_DBnn_DB2_PORT_NUM

PE Server TCP/IP port

Description

Specify the TCP/IP port on which the OMEGAMON Collector listens to incoming requests from the Performance Expert Client for the respective DB2 subsystem.

The TCP/IP port must be unique for each DB2 subsystem.

Required or optional

Optional (Required in case KD2_OMPE_PE_SUPPORT is set to Y)

Default value

2000

Minimum

1

Maximum

65535

Locations where the parameter value is stored**Location 1**

In the DB2PROF member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

PECLIENT_PORT=<value>

Location 2

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

PORT=<value>

In the Configuration Tool (ICAT)**Panel 1****Panel name**

PE Client Port Information

Panel ID

KD261P5

Panel field

Port

Panel 2**Panel name**

Port Information

Panel ID

KD261P5A

Panel field

Port

Panel 3**Panel name**

Port Information

Panel ID

KD261P5B

Panel field

Port

Default value

2000

Minimum

1

Maximum

65535

Batch parameter name

KD2_DB_DB2_PORT

KD2_DB_DB2_PROFID

PARMGEN name

KD2_DBnn_DB2_PORT_NUM

PARMGEN classification

DB2

KD2_DBnn_DB2_PROFID

Profile ID

Description

Specify the ID of the monitoring profile that should be associated with this DB2 subsystem.

Required or optional

Required

Default value

P001

Location where the parameter value is stored

In the DB2PROF member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line

PROFID=<value>

In the Configuration Tool (ICAT)

Panel 1

Panel name

DB2 Subsystem Monitoring Configuration

Panel ID

KD261P9

Panel field

Profid

Panel 2

Panel name

DB2 Subsystem Monitoring Configuration

Panel ID

KD261P9A

Panel field

Profid

Default value

P001

Batch parameter name

KD2_DB_DB2_PROFID

PARMGEN name

KD2_DBnn_DB2_PROFID

PARMGEN classification

DB2

KD2_DBnn_DB2_RUNLIB

DB2 run library

Description

The DB2 run library that you want to use for generating the jobs that perform GRANT and BIND statements on the DB2 subsystem. This parameter is optional.

Required or optional

Optional

Default value

None

Location where the parameter value is storedIn the DB2PROF member of the *rhilev.midlev.rtename.RKD2PRF* library**Output line**

DB2_RUNLIB=<value>

In the Configuration Tool (ICAT)**Panel name**

DB2 Subsystem Information

Panel ID

KD261PD

Panel field

DB2 run library

Default value

None

Batch parameter name

KD2_DB_DB2_RUNLIB

PARMGEN name

KD2_DBnn_DB2_RUNLIB

PARMGEN classification

DB2

KD2_DBnn_DB2_SSID

DB2 subsystem ID

Description

Specify the DB2 subsystem ID.

Required or optional

Required

Default value

SS01

Location where the parameter value is storedIn the RVTMssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

DB2=<value>, !X

In the Configuration Tool (ICAT)**Panel 1****Panel name**

DB2 Subsystem Monitoring Configuration

Panel ID

KD261P9

Panel field

DB2ID

Panel 2**Panel name**

DB2 Subsystem Monitoring Configuration

KD2_DB_DB2_SYSNAME

Panel ID

KD261P9A

Panel field

DB2ID

Default value

SS01

Batch parameter name

KD2_DB_DB2_SSID

PARMGEN name

KD2_DBnn_DB2_SSID

PARMGEN classification

DB2

KD2_DBnn_DB2_SYSNAME

z/OS system name

Description

The name of the z/OS system that the DB2 subsystem runs on. The z/OS system name that you specify here is used to replace the %SY% variable in data set names. If you specify a data set name for a monitoring profile, for example the name of a Near-Term History VSAM log data set, you can use %SY% as a variable for the z/OS system name.

If you enable 'Add JES2 JOBPARM SYSAFF to jobs' (KD2_OMPE_SYSAFF), the z/OS system name is used to generate the SYSAFF parameter in the jobcards of the BIND and GRANT jobs generated for the different DB2 subsystems.

Required or optional

Optional (Required in case KD2_OMPE_CHECKSYS is set to Y)

Default value

None

Location where the parameter value is stored

In the DB2PROF member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

DB2_SYSID=<value>

In the Configuration Tool (ICAT)**Panel name**

DB2 Subsystem Monitoring Configuration

Panel ID

KD261P9

Panel field

z/OS System ID

Default value

None

Batch parameter name

KD2_DB_DB2_SYSNAME

PARMGEN name

KD2_DBnn_DB2_SYSNAME

PARMGEN classification

DB2

KD2_DBnn_DB2_VER

DB2 version

Description

Specify the version of the DB2 subsystem.

Valid values are 10 for DB2 Version 10 or 11 for DB2 Version 11.

Required or optional

Required

Default value

None

Permissible values

10, 11

Location where the parameter value is stored

In the DB2PROF member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

DB2_VERSION=<value>

In the Configuration Tool (ICAT)

Panel 1

Panel name

DB2 Subsystem Monitoring Configuration

Panel ID

KD261P9

Panel field

DB2 Version

Panel 2

Panel name

DB2 Subsystem Monitoring Configuration

Panel ID

KD261P9A

Panel field

DB2 Version

Default value

None

Permissible values

10, 11

Batch parameter name

KD2_DB_DB2_VER

PARMGEN name

KD2_DBnn_DB2_VER

PARMGEN classification

DB2

KD2_DBnn_PWH - Performance Warehouse

The KD2_DBnn_PWH parameters control the Performance Warehouse behavior in your environment.

During the customization you must determine the affected Db2 subsystems and Performance Warehouse options to be used by SQL PA.

KD2_DB_PWH_D2PWACCG

The Performance Warehouse (PWH) provides an infrastructure at the OMEGAMON Server and at the workstation to automate performance analysis tasks. It introduces the concept of processes which represent single or recurring tasks such as loading DB2 data into the Performance Warehouse or generating reports. The definition of processes and analysis tasks can be performed at the workstation using the Performance Warehouse user interface (launched from the Performance Expert client).

The Performance Warehouse consists of Db2 tables to save the accounting and statistics performance counters which are the most relevant counters for analyzing performance problems. The tables are nearly identical to the tables in the Performance Database. It also consists of Db2 tables used by internal services. The Performance Warehouse provides a server component that automatically creates and maintains the Db2 tables.

When an SQL performance analysis is requested, the OMEGAMON Collector silently submits a batch job that captures the analysis data and puts it into appropriate Performance Warehouse tables, from where it is retrieved and reassembled and presented as an SQL PA report.

KD2_DBnn_PWH_D2PWACCG

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

STOGRPAC

Locations where the parameter value is stored

Location 1

In the PWG1ssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
GRANT USE OF STOGROUP <value> TO DB2PM;
```

Location 2

In the PWHRssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
ACCS 2 <value> storage group to use
```

In the Configuration Tool (ICAT)

Panel name

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

ACCS Storage Group

Default value

None

Batch parameter name

KD2_DB_PWH_D2PWACCG

PARMGEN name

KD2_DBnn_PWH_D2PWACCG

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWACCP

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

BPO

Locations where the parameter value is stored

Location 1

In the PWHRssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

ACCS 1 <value> name of buffer pool

Location 2

In the PWG1ssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

GRANT USE OF BUFFERPOOL <value> TO DB2PM;

In the Configuration Tool (ICAT)

Panel name

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

ACCS Buffer Pool

Default value

BPO

Batch parameter name

KD2_DB_PWH_D2PWACCP

PARMGEN name

KD2_DBnn_PWH_D2PWACCP

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWASNM

PE Server PWH job name

Description

Used to specify the name of the JCL that is used to submit jobs through Performance Warehouse. Specified value is the jobname.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

%RTE_STC_PREFIX%PWH

Locations where the parameter value is stored

Location 1

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

KD2_DB_PWH_D2PWBUFP

Output line

PERFORMANCEWAREHOUSEADDRESSSPACENAME=<value>

Location 2

In the DB2PROF member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

PWH_STC=<value>

In the Configuration Tool (ICAT)

Panel name

Performance Warehouse Configuration

Panel ID

KD261P1

Panel field

PWH job name

Default value

None

Batch parameter name

KD2_DB_PWH_D2PWASNM

PARMGEN name

KD2_DBnn_PWH_D2PWASNM

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWBUFP

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

BPO

Locations where the parameter value is stored

Location 1

In the PWHRssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

PROCESS 1 <value> name of buffer pool

Location 2

In the PWG1ssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

GRANT USE OF BUFFERPOOL <value> TO DB2PM;

In the Configuration Tool (ICAT)

Panel name

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

PROCESS Buffer Pool

Default value

BPO

Batch parameter name

KD2_DB_PWH_D2PWBUF

PARMGEN name

KD2_DBnn_PWH_D2PWBUF

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWCBUF

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

BPO

Locations where the parameter value is stored**Location 1**In the PWHRssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

CONTROL 1 <value> name of buffer pool

Location 2In the PWG1ssid member of the *rhilev.midlev.rtename.RKD2SAM* library**Output line**

GRANT USE OF BUFFERPOOL <value> TO DB2PM;

In the Configuration Tool (ICAT)**Panel name**

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

CONTROL Buffer Pool

Default value

BPO

Batch parameter name

KD2_DB_PWH_D2PWCBUF

PARMGEN name

KD2_DBnn_PWH_D2PWCBUF

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWCSTG

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

KD2_DB_PWH_D2PWIXBP

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

STOGRPCO

Locations where the parameter value is stored

Location 1

In the PWG1ssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
GRANT USE OF STOGRROUP <value> TO DB2PM;
```

Location 2

In the PWHRssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
CONTROL 2 <value> storage group to use
```

In the Configuration Tool (ICAT)

Panel name

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

CONTROL Storage Group

Default value

None

Batch parameter name

KD2_DB_PWH_D2PWCSTG

PARMGEN name

KD2_DBnn_PWH_D2PWCSTG

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWIXBP

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

BP0

Locations where the parameter value is stored

Location 1

In the PWHRssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
INDEXES 1 <value> name of buffer pool
```

Location 2

In the PWG1ssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
GRANT USE OF BUFFERPOOL <value> TO DB2PM;
```

In the Configuration Tool (ICAT)**Panel name**

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

Buffer Pool

Default value

BP0

Batch parameter name

KD2_DB_PWH_D2PWIXBP

PARMGEN name

KD2_DBnn_PWH_D2PWIXBP

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWOBUF

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

BP0

Locations where the parameter value is stored**Location 1**In the PWHRssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

OUTPUT 1 <value> name of buffer pool

Location 2In the PWG1ssid member of the *rhilev.midlev.rtename.RKD2SAM* library**Output line**

GRANT USE OF BUFFERPOOL <value> TO DB2PM;

In the Configuration Tool (ICAT)**Panel name**

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

OUTPUT Buffer Pool

Default value

BP0

Batch parameter name

KD2_DB_PWH_D2PWOBUF

PARMGEN name

KD2_DBnn_PWH_D2PWOBUF

KD2_DB_PWH_D2PWOLBP

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWOLBP

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

BP32K

Locations where the parameter value is stored

Location 1

In the PWHRssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
ONLINE 1 <value> name of buffer pool
```

Location 2

In the PWG1ssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
GRANT USE OF BUFFERPOOL <value> TO DB2PM;
```

In the Configuration Tool (ICAT)

Panel name

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

ONLINE Buffer Pool

Default value

BP32K

Batch parameter name

KD2_DB_PWH_D2PWOLBP

PARMGEN name

KD2_DBnn_PWH_D2PWOLBP

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWOLTG

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

STOGRPON

Locations where the parameter value is stored

Location 1

In the PWG1ssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
GRANT USE OF STOGROUP <value> TO DB2PM;
```

Location 2

In the PWHRssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
ONLINE 2 <value> specify storage group to use
```

In the Configuration Tool (ICAT)**Panel name**

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

ONLINE Storage Group

Default value

None

Batch parameter name

KD2_DB_PWH_D2PWOLTG

PARMGEN name

KD2_DBnn_PWH_D2PWOLTG

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWOSTG

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

STOGRPOU

Locations where the parameter value is stored**Location 1**

In the PWG1ssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
GRANT USE OF STOGROUP <value> TO DB2PM;
```

Location 2

In the PWHRssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
OUTPUT 2 <value> storage group to use
```

In the Configuration Tool (ICAT)**Panel name**

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

OUTPUT Storage Group

KD2_DB_PWH_D2PWPSTG

Default value

None

Batch parameter name

KD2_DB_PWH_D2PWOSTG

PARMGEN name

KD2_DBnn_PWH_D2PWOSTG

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWPSTG

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

STOGRPPR

Locations where the parameter value is stored**Location 1**

In the PWG1ssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
GRANT USE OF STOGROUP <value> TO DB2PM;
```

Location 2

In the PWHRssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
PROCESS 2 <value> storage group to use
```

In the Configuration Tool (ICAT)**Panel name**

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

PROCESS Storage Group

Default value

None

Batch parameter name

KD2_DB_PWH_D2PWPSTG

PARMGEN name

KD2_DBnn_PWH_D2PWPSTG

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWPWHA

Enable Performance Warehouse

Description

Used to specify if the Performance Warehouse is activated.

Required or optional

Required

Default value

N

Permissible values

Y, N

Locations where the parameter value is stored**Location 1**In the DB2PROF member of the *rhilev.midlev.rtename.RKD2PRF* library**Output line**

PWH_ACTIVE=<value>

Location 2In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

PERFORMANCEWAREHOUSE=<value>

In the Configuration Tool (ICAT)**Panel name**

Performance Warehouse Configuration

Panel ID

KD261P1

Panel field

PWH Enabled

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_DB_PWH_D2PWPWHA

PARMGEN name

KD2_DBnn_PWH_D2PWPWHA

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWQRYP

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

BP32K

Locations where the parameter value is stored**Location 1**In the PWHRssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

QRY 1 <value> name of 32K buffer pool

KD2_DB_PWH_D2PWQRYS

Location 2

In the PWG1ssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
GRANT USE OF BUFFERPOOL <value> TO DB2PM;
```

In the Configuration Tool (ICAT)

Panel name

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

QUERY Buffer Pool

Default value

BP32K

Batch parameter name

KD2_DB_PWH_D2PWQRYP

PARMGEN name

KD2_DBnn_PWH_D2PWQRYP

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWQRYS

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

STOGRPQR

Locations where the parameter value is stored

Location 1

In the PWG1ssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
GRANT USE OF STOGROUP <value> TO DB2PM;
```

Location 2

In the PWHRssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
QRY 2 <value> storage group to use
```

In the Configuration Tool (ICAT)

Panel name

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

QUERY Storage Group

Default value

None

Batch parameter name

KD2_DB_PWH_D2PWQRYS

PARMGEN name

KD2_DBnn_PWH_D2PWQRYS

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWROTG

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

BP0

Locations where the parameter value is stored**Location 1**In the PWHRssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

ROT 1 <value> name of buffer pool

Location 2In the PWG1ssid member of the *rhilev.midlev.rtename.RKD2SAM* library**Output line**

GRANT USE OF BUFFERPOOL <value> TO DB2PM;

In the Configuration Tool (ICAT)**Panel name**

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

ROT Buffer Pool

Default value

BP0

Batch parameter name

KD2_DB_PWH_D2PWROTG

PARMGEN name

KD2_DBnn_PWH_D2PWROTG

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWROTS

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

KD2_DB_PWH_D2PWSTBP

Default value

STOGRPRO

Locations where the parameter value is stored

Location 1

In the PWG1ssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

GRANT USE OF STOGRROUP <value> TO DB2PM;

Location 2

In the PWHRssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

ROT 2 <value> storage group to use

In the Configuration Tool (ICAT)

Panel name

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

ROT Storage Group

Default value

None

Batch parameter name

KD2_DB_PWH_D2PWROTS

PARMGEN name

KD2_DBnn_PWH_D2PWROTS

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWSTBP

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

BP32K

Location where the parameter value is stored

In the PWHRssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

STAT 1 <value> name of buffer pool

In the Configuration Tool (ICAT)

Panel name

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

STAT Buffer Pool

Default value

BP32K

Batch parameter name

KD2_DB_PWH_D2PWSTBP

PARMGEN name

KD2_DBnn_PWH_D2PWSTBP

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWSTGG

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

STOGRPPW

Locations where the parameter value is stored**Location 1**In the PWG1ssid member of the *rhilev.midlev.rtename.RKD2SAM* library**Output line**

GRANT USE OF STOGROUP <value> TO DB2PM;

Location 2In the PWHRssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

INDEXES 2 <value> storage group to use

In the Configuration Tool (ICAT)**Panel name**

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

Storage Group

Default value

None

Batch parameter name

KD2_DB_PWH_D2PWSTGG

PARMGEN name

KD2_DBnn_PWH_D2PWSTGG

PARMGEN classification

PWH

KD2_DBnn_PWH_D2PWSTTG

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

KD2_DB_PWH_EXITLIB

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

STOGRPST

Location where the parameter value is stored

In the PWHRSSID member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

STAT 2 <value> storage group to use

In the Configuration Tool (ICAT)

Panel name

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

STAT Storage Group

Default value

None

Batch parameter name

KD2_DB_PWH_D2PWSTTG

PARMGEN name

KD2_DBnn_PWH_D2PWSTTG

PARMGEN classification

PWH

KD2_DBnn_PWH_EXITLIB

DB2 exit library

Description

The name of the dataset in which the DB2 exit load modules reside that should be used by the Performance Warehouse job.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

%GBL_DSN_DB2_DSNEXT%

Location where the parameter value is stored

In the &D2PWASNM member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

//JOB LIB DD DISP=SHR,DSN=<value>

In the Configuration Tool (ICAT)

Panel name

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

DB2 exit library

Default value

None

Batch parameter name

KD2_DB_PWH_EXITLIB

PARMGEN name

KD2_DBnn_PWH_EXITLIB

PARMGEN classification

PWH

KD2_DBnn_PWH_LOADLIB

DB2 load library

Description

The name of the dataset in which the DB2 load modules reside that should be used by the Performance Warehouse job.

Required or optional

Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value

%GBL_DSN_DB2_SDSNLOAD%

Location where the parameter value is stored

In the &D2PWASNM member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

// DD DISP=SHR,DSN=<value>

In the Configuration Tool (ICAT)**Panel name**

Performance Warehouse Configuration

Panel ID

KD261PW

Panel field

DB2 load library

Default value

None

Batch parameter name

KD2_DB_PWH_LOADLIB

PARMGEN name

KD2_DBnn_PWH_LOADLIB

PARMGEN classification

PWH

KD2_OMPE - Base product

The KD2_OMPE parameters specify general settings for your environment.

KD2_OMPE_AUTH_FAIL

Authorization failure

Description

Used to specify whether authorization fail events data collection is started.

Required or optional

Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value

N

KD2_DB_PWH_LOADLIB

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

EVENTAUTHFAIL=<value>

In the Configuration Tool (ICAT)

Panel name

DB2 Event Exception Processing

Panel ID

KD261PG

Panel field

Authorization failure

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_OMPE_AUTH_FAIL

PARMGEN name

KD2_OMPE_AUTH_FAIL

PARMGEN classification

OMPE

KD2_OMPE_AUTODETECT

Enable autom. DB2 subsystem detection

Description

This feature is part of the OMEGAMON Collector PESERVER subtask. If activated, all active DB2 subsystems in the LPAR are detected automatically, regardless of whether the DB2 subsystem has been explicitly configured during the configuration process or not. You can activate or deactivate this feature:

Y

Automatic detection is activated. Detection of all active DB2 subsystems starts automatically.

N

Automatic detection is deactivated. Only the DB2 subsystems that are explicitly configured are monitored.

If a DB2 subsystem has been detected automatically but has not been configured so far, monitoring is not possible because required bind and grant jobs have not been submitted. Error messages are written to the job log. To enable monitoring the subsystem must be configured as usually with PARMGEN to create the required jobs. The configuration steps of Complete the Configuration must be executed.

Required or optional

Required

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

AUTODETECT=<value>

In the Configuration Tool (ICAT)**Panel name**

OMEGAMON Collector Information

Panel ID

KD261PN

Panel field

Automatic DB2 subsystem monitoring

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_OMPE_AUTODETECT

PARMGEN name

KD2_OMPE_AUTODETECT

PARMGEN classification

OMPE

KD2_OMPE_CCPC_TIMER

TEMA connection timeout interval

Description

This timeout interval is used to control the amount of time that a TEMA connect or TEMA collect call remains pending while collecting the data from a target DB2 subsystem is not completed. The TEMA is notified when the call exceeds the specified timeout interval. Specify a value in the range of 0010-0300. 0010 represents ten seconds and 0300 represents three minutes.

Required or optional

Required

Default value

0030

Minimum

0010

Maximum

0300

Locations where the parameter value is stored**Location 1**In the OMPECCPC member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

START COMMCOLL , PARM=(TRACE=YES , STIMER=00<value> .00 , SLX=REUSE)

Location 2In the OMPECCPC member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

START COMMCOLL , PARM=(TRACE=NO , STIMER=00<value> .00 , SLX=REUSE)

In the Configuration Tool (ICAT)**Panel name**

OMEGAMON Collector Information

KD2_DB_PWH_LOADLIB

Panel ID

KD261PN

Panel field

TEMA connection timeout interval

Default value

0030

Minimum

0010

Maximum

0300

Batch parameter name

KD2_OMPE_CCPC_TIMER

PARMGEN name

KD2_OMPE_CCPC_TIMER

PARMGEN classification

OMPE

KD2_OMPE_CCPC_TRACE

TEMA connection trace

Description

Enables tracing of the status of OMEGAMON XE for DB2 Agent (TEMA) connect, collect, and disconnect calls. Specify one of the following values:

Y

Trace messages are written to the joblog of the OMEAGMON Collector.

N

No trace messages on the TEMA connection status are written to the OMEGAMON Collector joblog.

Required or optional

Required

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

This value is not stored in a configuration member.

In the Configuration Tool (ICAT)**Panel name**

OMEGAMON Collector Information

Panel ID

KD261PN

Panel field

TEMA connection trace

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_OMPE_CCPC_TRACE

PARMGEN name

KD2_OMPE_CCPC_TRACE

PARMGEN classification

OMPE

KD2_OMPE_CF_REBUILT

CF rebuilt

Description

Used to specify whether coupling facility rebuild data collection is started.

Required or optional

Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

EVENTCFREBUILD=<value>

In the Configuration Tool (ICAT)**Panel name**

DB2 Event Exception Processing

Panel ID

KD261PG

Panel field

CF rebuilt

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_OMPE_CF_REBUILT

PARMGEN name

KD2_OMPE_CF_REBUILT

PARMGEN classification

OMPE

KD2_OMPE_CHECKSYS

Use this RTE as a model

Description

Specify whether you want to use this RTE as a model for several LPARs:

Y

You can specify DB2 subsystems in this RTE that run on different LPARs. Specify the respective z/OS system ID (SMFID) for each DB2 subsystem. When you later submit the 'Create DB2 runtime members' job, this configuration job checks on which LPAR it is executed and only generates the runtime members for the configured DB2 subsystems that run on this LPAR.

KD2_DB_PWH_LOADLIB

N

You configure only DB2 subsystems in this RTE that run on one LPAR. You don't have to specify a z/OS system ID (SMFID) for each DB2 subsystem.

Required or optional

Required

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the CRTDB2M member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

<value> +

In the Configuration Tool (ICAT)

Panel name

Global Control Parameters

Panel ID

KD261PI

Panel field

Use this RTE as a model

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_OMPE_CHECKSYS

PARMGEN name

KD2_OMPE_CHECKSYS

PARMGEN classification

OMPE

KD2_OMPE_CPU_PARALLEL

Enable CPU Parallelism

Description

Used to enable or disable the collection of query CPU parallelism data. Specify one of the following values:

Y

Query CP parallelism data is to be collected.

N

Query CP parallelism data is not to be collected.

Required or optional

Required

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

COLLECTCPUPARALLEL=<value>

In the Configuration Tool (ICAT)**Panel name**

CPU Parallelism

Panel ID

KD261PF

Panel field

Enable CPU Parallelism data collection

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_OMPE_CPU_PARALLEL

PARMGEN name

KD2_OMPE_CPU_PARALLEL

PARMGEN classification

OMPE

KD2_OMPE_DB2_EVENT

Enable Event Exception Processing

Description

Used to specify whether DB2 event data is to be collected. Specify one of the following values:

Y

DB2 event data is collected.

N

DB2 event data is not collected.

Required or optional

Required

Default value

N

Permissible values

Y, N

Location where the parameter value is storedIn the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

EVENTOBSERVATION=<value>

In the Configuration Tool (ICAT)**Panel name**

DB2 Event Exception Processing

Panel ID

KD261PG

Panel field

Enable DB2 event exception processing

Default value

N

KD2_DB_PWH_LOADLIB

Permissible values

Y, N

Batch parameter name

KD2_OMPE_DB2_EVENT

PARMGEN name

KD2_OMPE_DB2_EVENT

PARMGEN classification

DB2

KD2_OMPE_DB2_EXIT

Use DB2 authorization exit

Description

This specifies whether the DB2 authorization exit is called.

Required or optional

Required

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

USEDDB2AUTHEXIT=<value>

In the Configuration Tool (ICAT)

Panel name

OMEGAMON Collector Information

Panel ID

KD261PN

Panel field

Use DB2 authorization exit

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_OMPE_DB2_EXIT

PARMGEN name

KD2_OMPE_DB2_EXIT

PARMGEN classification

DB2

KD2_OMPE_DB2_USER

Enable OMEGAMON Collector user exit

Description

Used to specify whether the user exit routine DGOVUUAЕ provided by OMEGAMON XE for DB2 PE shall be used. Specify one of the following values:

Y

The user-modifiable exit routine DGOVUUAE is called.

N

The user-modifiable exit is not called.

Required or optional

Required

Default value

N

Permissible values

Y, N

Location where the parameter value is storedIn the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

USEUSERAUTHEXIT=<value>

In the Configuration Tool (ICAT)**Panel name**

OMEGAMON Collector Information

Panel ID

KD261PN

Panel field

Enable OMEGAMON Collector user exit

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_OMPE_DB2_USER

PARMGEN name

KD2_OMPE_DB2_USER

PARMGEN classification

DB2

KD2_OMPE_DEADLOCK

Deadlock

Description

Used to specify whether deadlock events data collection is started.

Required or optional

Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is storedIn the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

EVENTDEADLOCK=<value>

In the Configuration Tool (ICAT)**Panel name**

DB2 Event Exception Processing

Panel ID

KD261PG

Panel field

Deadlock

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_OMPE_DEADLOCK

PARMGEN name

KD2_OMPE_DEADLOCK

PARMGEN classification

OMPE

KD2_OMPE_DSHLQ

HLQ for OM Collector datasets

Description

This parameter specifies the high-level qualifier for the data sets that are allocated by the OMEGAMON Collector.

The default value is generated from the high-level qualifier and the mid-level qualifier that you specified for your RTE.

Required or optional

Required

Default value

%RTE_HILEV%.%RTE_NAME%

Locations where the parameter value is stored**Location 1**In the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

VDATASERVERHLQ=<value>V

Location 2In the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

DATASERVERHLQ=<value>

Location 3In the OMDDssid member of the *rhilev.midlev.rtename.RKD2SAM* library**Output line**

DEFINE CLUSTER(NAME(<value>V..%DB%.HISTORY) -

Location 4In the OMDDssid member of the *rhilev.midlev.rtename.RKD2SAM* library**Output line**

DELETE (<value>V..%DB%.HISTORY) CLUSTER

In the Configuration Tool (ICAT)**Panel name**

OMEGAMON Collector Information

Panel ID

KD261PN

Panel field

High-level Qualifier

Default value

None

Batch parameter name

KD2_OMPE_DSHLQ

PARMGEN name

KD2_OMPE_DSHLQ

PARMGEN classification

OMPE

KD2_OMPE_DSN_EXTENT

Data set extent

Description

Used to specify whether data set extension events data collection is started.

Required or optional

Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is storedIn the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

EVENTDSEXTENT=<value>

In the Configuration Tool (ICAT)**Panel name**

DB2 Event Exception Processing

Panel ID

KD261PG

Panel field

Data set extent

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_OMPE_DSN_EXTENT

PARMGEN name

KD2_OMPE_DSN_EXTENT

PARMGEN classification

OMPE

KD2_OMPE_DSP_SIZE

Data Space size

Description

Used to specify the size of the CCP data space. The value is the data space size in megabytes. This data space is needed when query CP parallelism is active. The default is 20.

Required or optional

Optional (Required in case KD2_OMPE_CPU_PARALLEL is set to Y)

Default value

20

Minimum

5

Maximum

50

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

CCPDATASPACE SIZE=<value>

In the Configuration Tool (ICAT)

Panel name

CPU Parallelism

Panel ID

KD261PF

Panel field

Data space size

Default value

20

Minimum

5

Maximum

50

Batch parameter name

KD2_OMPE_DSP_SIZE

PARMGEN name

KD2_OMPE_DSP_SIZE

PARMGEN classification

OMPE

KD2_OMPE_EDMP_FULL

EDM pool full

Description

Used to specify whether EDM events data collection is started.

Required or optional

Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

EVENTEDMPOOL=<value>

In the Configuration Tool (ICAT)**Panel name**

DB2 Event Exception Processing

Panel ID

KD261PG

Panel field

EDM pool full

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_OMPE_EDMP_FULL

PARMGEN name

KD2_OMPE_EDMP_FULL

PARMGEN classification

OMPE

KD2_OMPE_EXTENT_THOLD

Data set extent threshold

Description

Used to specify the number of extensions that must be exceeded before an extent threshold exception is reported.

Required or optional

Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value

200

Minimum

1

Maximum

200

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

EVENTDSEXTENTQUAL=<value>

In the Configuration Tool (ICAT)**Panel name**

DB2 Event Exception Processing

Panel ID

KD261PG

Panel field

Data set extent threshold

Default value

200

KD2_DB_PWH_LOADLIB

Minimum

1

Maximum

200

Batch parameter name

KD2_OMPE_EXTENT_THOLD

PARMGEN name

KD2_OMPE_EXTENT_THOLD

PARMGEN classification

OMPE

KD2_OMPE_GLOBAL_TRACE

Global trace started

Description

Used to specify whether all entered DB2 commands collection is started.

Required or optional

Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

EVENTGLBLTRACE=<value>

In the Configuration Tool (ICAT)

Panel name

DB2 Event Exception Processing

Panel ID

KD261PG

Panel field

Global trace started

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_OMPE_GLOBAL_TRACE

PARMGEN name

KD2_OMPE_GLOBAL_TRACE

PARMGEN classification

OMPE

KD2_OMPE_GRANT_AGUSER

User ID/group ID for PWGA grant job

Description

Set the user for the RACF userid/groupid in PWGAssid grant job in xKD2SAM DB2 job.

Required or optional

Required

Default value

%aguser%

Location where the parameter value is storedIn the PWGAssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

<value>;

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_OMPE_GRANT_AGUSER

PARMGEN name

KD2_OMPE_GRANT_AGUSER

PARMGEN classification

OMPE

KD2_OMPE_GRANT_EXUSER

User ID/group ID for EXGP grant job

Description

Set the user for the RACF userid/groupid in EXGPssid grant job in xKD2SAM DB2 job.

Required or optional

Required

Default value

%exuser%

Location where the parameter value is storedIn the EXGPssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

<value>;

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_OMPE_GRANT_EXUSER

PARMGEN name

KD2_OMPE_GRANT_EXUSER

PARMGEN classification

OMPE

KD2_OMPE_GRANT_PEUSER

User ID/group ID for OMGP grant job

Description

Set the user for the RACF userid/groupid in OMGPssid grant job in xKD2SAM DB2 job.

Required or optional

Required

Default value

%peuser%

KD2_OMPE_GRANT_PWUSER

Location where the parameter value is stored

In the OMPSSID member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

<value>;

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_OMPE_GRANT_PEUSER

PARMGEN name

KD2_OMPE_GRANT_PEUSER

PARMGEN classification

OMPE

KD2_OMPE_GRANT_PWUSER

User ID/group ID for PWG2 grant job

Description

Set the user for the RACF userid/groupid in PWG2ssid grant job in xKD2SAM DB2 job.

Required or optional

Required

Default value

%pwuser%

Location where the parameter value is stored

In the PWG2ssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

<value>;

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_OMPE_GRANT_PWUSER

PARMGEN name

KD2_OMPE_GRANT_PWUSER

PARMGEN classification

OMPE

KD2_OMPE_ISPF_LANGUAGE

ISPF language information

Description

Used to specify the ISPF language. The default is ENU.

Required or optional

Required

Default value

ENU

Permissible values

ENU

Location where the parameter value is stored

In the FPEJINIT member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
language = "<value>";
```

In the Configuration Tool (ICAT)**Panel name**

ISPF Monitoring Dialogs

Panel ID

KD261PH

Panel field

ISPF language

Default value

ENU

Permissible values

ENU

Batch parameter name

KD2_OMPE_ISPF_LANG

PARMGEN name

KD2_OMPE_ISPF_LANGUAGE

PARMGEN classification

OMPE

KD2_OMPE_LOGSPACE

Logspace shortage

Description

Used to specify whether log space shortage events data collection is started.

Required or optional

Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

```
EVENTLOGSPACE=<value>
```

In the Configuration Tool (ICAT)**Panel name**

DB2 Event Exception Processing

Panel ID

KD261PG

Panel field

Logspace shortage

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_OMPE_LOGSPACE

KD2_OMPE_MAX_SESSIONS

PARMGEN name

KD2_OMPE_LOGSPACE

PARMGEN classification

OMPE

KD2_OMPE_MAX_SESSIONS

Maximum number of sessions

Description

Used to define the limit of simultaneous PE Client sessions. The specified value is an integer in the range from 0 to 500.

Required or optional

Optional (Required in case KD2_OMPE_PE_SUPPORT is set to Y)

Default value

99

Minimum

10

Maximum

500

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

MAXSESSION=<value>

In the Configuration Tool (ICAT)

Panel name

Workstation Interface Support

Panel ID

KD261PC

Panel field

Maximum number of sessions

Default value

99

Minimum

10

Maximum

500

Batch parameter name

KD2_OMPE_MAX_SESSIONS

PARMGEN name

KD2_OMPE_MAX_SESSIONS

PARMGEN classification

OMPE

KD2_OMPE_MGMTCLAS

Management Class for non-VSAM

Description

Used to specify a management class used for the allocation of all non-VSAM data sets created by the OMEGAMON Collector.

Required or optional

Optional

Default value

%RTE_SMS_MGMTCLAS%

Locations where the parameter value is stored**Location 1**In the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

VDATASERVERMGMTCLAS= '<value>V'

Location 2In the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

DATASERVERMGMTCLAS= '<value>'

In the Configuration Tool (ICAT)**Panel name**

OMEGAMON Collector Information

Panel ID

KD261PN

Panel field

Mgmtclas

Default value

&RTESMGT

Batch parameter name

KD2_OMPE_MGMTCLAS

PARMGEN name

KD2_OMPE_MGMTCLAS

PARMGEN classification

OMPE

KD2_OMPE_PE_SUPPORT

Enable PE Client support

Description

Used to specify whether the Performance Expert Client support is to be configured. Specify one of the following values:

Y

The Performance Expert Client support is enabled

N

The Performance Expert Client support is disabled.

Required or optional

Required

Default value

N

Permissible values

Y, N

Location where the parameter value is storedIn the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

TCP/IP=<value>

KD2_OMPE_RUNALLOC

In the Configuration Tool (ICAT)

Panel name

Workstation Interface Support

Panel ID

KD261PC

Panel field

Enable Performance Expert Client support

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_OMPE_PE_SUPPORT

PARMGEN name

KD2_OMPE_PE_SUPPORT

PARMGEN classification

OMPE

KD2_OMPE_RUNALLOC

Automatic submit of allocation job

Description

Specify whether the 'Create DB2 related runtime members' job should trigger that the 'Allocate runtime datasets' job is submitted. The data set allocation job takes care of allocating all operational data sets required for the enabled functions, for example to collect data for Near-Term History. This job does not overwrite existing operational data sets.

Required or optional

Required

Default value

Y

Permissible values

Y, N

Locations where the parameter value is stored**Location 1**

In the CRTDB2 member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

<value> +

Location 2

In the CRTDB2M member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line

<value> +

In the Configuration Tool (ICAT)

Panel name

Global Control Parameters

Panel ID

KD261PI

Panel field

Automatic submit of runtime dataset allocation job

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_OMPE_RUNALLOC

PARMGEN name

KD2_OMPE_RUNALLOC

PARMGEN classification

OMPE

KD2_OMPE_SHARED_PROFILE_LIB

HLQ for the shared profile library

Description

Specify the high-level qualifier of the RTE that you decided to use as the model for this RTE consisting of the High-level qualifier and the name of the model RTE. This parameter is only used if you set 'Use model definitions in this RTE' to Y. In this case all runtime members needed for this RTE are created on the basis of the profile library RKD2PRF library of the model RTE. For this RKD2PRF library you specify the high-level qualifier here.

Required or optional

Optional (Required in case KD2_OMPE_USE_MODEL is set to Y)

Default value

None

Location where the parameter value is storedIn the CRTDB2 member of the *rhilev.midlev.rtename.RKD2SAM* library**Output line**

<value> +

In the Configuration Tool (ICAT)**Panel name**

Global Control Parameters

Panel ID

KD261PI

Panel field

HLQ of the shared profile library

Default value

None

Batch parameter name

KD2_OMPE_SHRD_PRFLIB

PARMGEN name

KD2_OMPE_SHARED_PROFILE_LIB

PARMGEN classification

OMPE

KD2_OMPE_STOCLAS

Storage Class for non-VSAM

Description

Used to specify a storage class used for the allocation of all non-VSAM data sets created by the OMEGAMON Collector.

KD2_OMPE_SUB_D2PADASP

Required or optional

Optional

Default value

%RTE_SMS_STORCLAS%

Locations where the parameter value is stored

Location 1

In the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

VDATASERVERSTORCLAS= '<value>V'

Location 2

In the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

DATASERVERSTORCLAS= '<value>'

In the Configuration Tool (ICAT)

Panel name

OMEGAMON Collector Information

Panel ID

KD261PN

Panel field

Storclas

Default value

&RTESTOR

Batch parameter name

KD2_OMPE_STOCLAS

PARMGEN name

KD2_OMPE_STOCLAS

PARMGEN classification

OMPE

KD2_OMPE_SUB_D2PADASP

OMPE/XCF Data Space Size DSPSIZE

Description

Defines the size in megabytes of the OMPE/XCF member data space. The data space is used by the OMPE/XCF component to hold the response data received from other members of the same LPAR or remote LPAR. Specify a size in multiples of 128M for up to a maximum of 2048M.

Required or optional

Required

Default value

128

Minimum

128

Maximum

2048

Location where the parameter value is stored

In the OMPE00 member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

DSPSIZE=<value>.M

In the Configuration Tool (ICAT)**Panel name**

OMEGAMON Collector Subsystem Information

Panel ID

KD261PA

Panel field

OMPE/XCF Data Space Size

Default value

128

Minimum

128

Maximum

2048

Batch parameter name

KD2_OMPE_SUB_D2PADASP

PARMGEN name

KD2_OMPE_SUB_D2PADASP

PARMGEN classification

DB2

KD2_OMPE_SUB_D2PAGRPN

OMPE/XCF Group name XCFGROUP

Description

Defines the default cross-coupling facility XCF group name. This group name is used by the OMPE subsystem to initialize the OMPE/XCF environment used by the OMPE Collector subsystem. You can specify any name in the range of 1 to 8 characters. The specified name must conform to XCF group naming standards.

When the XCF group name has a prefix of OMPE it is internally change to O5PE. To prevent the rename, specify a different 4 to 5-character prefix. For example: OMEGAXCF for all OMPE Collectors that communicate via the XCF gateway with one another.

Required or optional

Required

Default value

OMPEXCF

Location where the parameter value is storedIn the OMPE00 member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

XCFGROUP=<value>

In the Configuration Tool (ICAT)**Panel name**

OMEGAMON Collector Subsystem Information

Panel ID

KD261PA

Panel field

OMPE/XCF Group name

Default value

OMPEXCF

KD2_OMPE_SUB_D2PARCVT

Batch parameter name

KD2_OMPE_SUB_D2PAGRPN

PARMGEN name

KD2_OMPE_SUB_D2PAGRPN

PARMGEN classification

DB2

KD2_OMPE_SUB_D2PARCVT

OMPE/XCF Receive Tasks XCFTASKS

Description

Defines the number of XCF receive tasks that are to be attached as subtasks of the OMPE/XCF component task. These tasks are used by the OMPE/XCF component to process data receive requests from other members of the specified OMPE/XCF group. You can specify a number in the range of 02 to 16.

Required or optional

Required

Default value

6

Minimum

2

Maximum

16

Location where the parameter value is stored

In the OMPE00 member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

XCFTASKS=<value>

In the Configuration Tool (ICAT)**Panel name**

OMEGAMON Collector Subsystem Information

Panel ID

KD261PA

Panel field

OMPE/XCF Data Space Size

Default value

6

Minimum

2

Maximum

16

Batch parameter name

KD2_OMPE_SUB_D2PARCVT

PARMGEN name

KD2_OMPE_SUB_D2PARCVT

PARMGEN classification

DB2

KD2_OMPE_SUB_D2PASSIT

SSI timer value SSITIMER

Description

Defines the subsystem interface SSI loop detection timer in seconds. You can specify a timer in the range of 1 to 99 seconds. This timer value is used by the OMPE subsystem timer services component to measure the elapsed time an SSI function routine EOT, EOM, CMD, WTO executes. When the specified timer value is exceeded, the SSI broadcast function is abnormally terminated.

Required or optional

Required

Default value

30

Minimum

1

Maximum

99

Location where the parameter value is stored

In the OMPE00 member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SSITIMER=<value>

In the Configuration Tool (ICAT)

Panel name

OMEGAMON Collector Subsystem Information

Panel ID

KD261PA

Panel field

SSI timer value

Default value

30

Minimum

1

Maximum

99

Batch parameter name

KD2_OMPE_SUB_D2PASSIT

PARMGEN name

KD2_OMPE_SUB_D2PASSIT

PARMGEN classification

DB2

KD2_OMPE_SUB_D2PATSEC

OMPE TCMD Security Option

Description

Defines whether DB2 CANCEL THREAD command issued under user or task authority. If TCMDSECU=STC the CANCEL THREAD command will use the OMEGAMON started task authorization to issue the CANCEL command.

If TCMDSECU=USER the signed on user's authorization will be used.

KD2_OMPE_SUB_D2PAXCFT

Note: If the Classic security exit is not in use then the OMEGAMON started task authorization will always be used.

Required or optional

Required

Default value

STC

Permissible values

STC, USER

Location where the parameter value is stored

In the OMPEOPTS member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

TCMDSECU=<value>

In the Configuration Tool (ICAT)

Panel name

OMEGAMON Collector Subsystem Information

Panel ID

KD261PA

Panel field

OMPE TCMD Security Option

Default value

STC

Permissible values

STC, USER

Batch parameter name

KD2_OMPE_SUB_D2PATSEC

PARMGEN name

KD2_OMPE_SUB_D2PATSEC

PARMGEN classification

DB2

KD2_OMPE_SUB_D2PAXCFT

OMPE/XCF Timer Value XCFTIMER

Description

Defines the OMPE/XCF component SEND service request execution timer in seconds. You can specify a timer in the range of 01 to 99 seconds. This timer value is used by the OMPE/XCF component to measure the elapsed time a SEND service request executes. When the specified timer value is exceeded, the SEND service request is abnormally terminated.

Required or optional

Required

Default value

30

Minimum

1

Maximum

99

Location where the parameter value is stored

In the OMPE00 member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

XCFTIMER=<value>

In the Configuration Tool (ICAT)**Panel name**

OMEGAMON Collector Subsystem Information

Panel ID

KD261PA

Panel field

OMPE/XCF Timer value

Default value

30

Minimum

1

Maximum

99

Batch parameter name

KD2_OMPE_SUB_D2PAXCFT

PARMGEN name

KD2_OMPE_SUB_D2PAXCFT

PARMGEN classification

DB2

KD2_OMPE_SYSAFF

Add JES2 JOBPARM SYSAFF to job

Description

Specify whether you want to have the JES2 JOBPARM SYSAFF added to the generated DB2 related jobs. These jobs perform BIND or GRANT SQL statements on a specific DB2 subsystem and therefore have to be executed on the z/OS system where the respective DB2 subsystem runs on. This can be useful, for example if you want to install OMEGAMON XE for DB2 PE on several LPARs with shared DASD. See the Configuration and Customization Guide for details on different rollout scenarios. Furthermore if you set 'Use as model RTE for several LPARs' to 'Y' then the SYSAFF JOBPARM is also added to the 'Create DB2 related runtime members DB2 related' job.

Required or optional

Required

Default value

N

Permissible values

Y, N

Locations where the parameter value is stored**Location 1**In the CRTDB2 member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

<value> +

Location 2In the CRTDB2M member of the *rhilev.midlev.rtename*.RKD2PRF library**Output line**

<value> +

KD2_OMPE_TCPIP_ADDRESS

In the Configuration Tool (ICAT)

Panel name

Global Control Parameters

Panel ID

KD261PI

Panel field

Add JES2 JOBPARM sysaff to jobs

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_OMPE_SYSAFF

PARMGEN name

KD2_OMPE_SYSAFF

PARMGEN classification

OMPE

KD2_OMPE_TCPIP_ADDRESS

IP address

Description

Used to specify the IP address for OMEGAMON for Db2 PE to accept incoming requests. An IP host can have several IP addresses. In IP terms, such a host is called a multi homed host. To accept incoming requests on all available network interfaces, you must set this value to zeros 0.0.0.0.

Required or optional

Optional (Required in case KD2_OMPE_PE_SUPPORT is set to Y)

Default value

0.0.0.0

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

IPADDRESS=<value>

In the Configuration Tool (ICAT)

Panel name

Workstation Interface Support

Panel ID

KD261PC

Panel field

IP address

Default value

0.0.0.0

Batch parameter name

KD2_OMPE_TCPIP_ADDRESS

PARMGEN name

KD2_OMPE_TCPIP_ADDRESS

PARMGEN classification

TCP

KD2_OMPE_TCPIP_NAME

TCP/IP name

Description

Used to specify the name of the TCP/IP address space you want to connect to. The specified value must be one to eight characters.

Required or optional

Optional (Required in case KD2_OMPE_PE_SUPPORT is set to Y)

Default value

TCPIP

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

TCPNAME=<value>

In the Configuration Tool (ICAT)

Panel name

Workstation Interface Support

Panel ID

KD261PC

Panel field

TCP/IP name

Default value

TCPIP

Batch parameter name

KD2_OMPE_TCPIP_NAME

PARMGEN name

KD2_OMPE_TCPIP_NAME

PARMGEN classification

TCP

KD2_OMPE_THREAD_COMMIT

Thread commit indoubt

Description

Used to specify whether Thread commit indoubt events data collection is started.

Required or optional

Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

EVENTDDF=<value>

In the Configuration Tool (ICAT)

Panel name

DB2 Event Exception Processing

KD2_OMPE_TIMEOUT

Panel ID

KD261PG

Panel field

Thread commit indoubt

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_OMPE_THREAD_COMMIT

PARMGEN name

KD2_OMPE_THREAD_COMMIT

PARMGEN classification

OMPE

KD2_OMPE_TIMEOUT

Timeout

Description

Used to specify whether timeout events data collection is started.

Required or optional

Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

EVENTTIMEOUT=<value>

In the Configuration Tool (ICAT)**Panel name**

DB2 Event Exception Processing

Panel ID

KD261PG

Panel field

Timeout

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_OMPE_TIMEOUT

PARMGEN name

KD2_OMPE_TIMEOUT

PARMGEN classification

OMPE

KD2_OMPE_TRACE_LEVEL

OMEGAMON Collector trace level

Description

Used to specify trace level for the OMEGAMON XE for DB2 PE internal traces. Specify an integer value in the range from 0 to 127. Trace level 0 means internal tracing is not performed.

Required or optional

Required

Default value

0

Minimum

0

Maximum

8191

Location where the parameter value is stored

In the OPPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

TRACELEVEL=<value>

In the Configuration Tool (ICAT)

Panel name

OMEGAMON Collector Information

Panel ID

KD261PN

Panel field

OMEGAMON Collector trace level

Default value

0

Minimum

0

Maximum

8191

Batch parameter name

KD2_OMPE_TRACE_LEVEL

PARMGEN name

KD2_OMPE_TRACE_LEVEL

PARMGEN classification

OMPE

KD2_OMPE_UNIT

Unit for non-VSAM

Description

Used to specify the storage device that is to be used for all non-VSAM data sets created by the OMEGAMON Collector. This parameter is ignored, if OMEGAMON XE for DB2 PE runs on a system managed by SMS.

Since SMS can be implemented in different ways, the Configuration tool does not attempt to validate these parameters. The dataset allocation jobs will use all parameters that you enter.

Required or optional

Optional

KD2_OMPE_UR

Default value

%RTE_SMS_UNIT%

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

DATASERVERUNIT=' <value> '

In the Configuration Tool (ICAT)

Panel name

OMEGAMON Collector Information

Panel ID

KD261PN

Panel field

Unit

Default value

&RTEU

Batch parameter name

KD2_OMPE_UNIT

PARMGEN name

KD2_OMPE_UNIT

PARMGEN classification

OMPE

KD2_OMPE_UR

Unit of recovery problem

Description

Used to specify whether unit of recovery events data is started.

Required or optional

Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

EVENTURPROBLEM=<value>

In the Configuration Tool (ICAT)

Panel name

DB2 Event Exception Processing

Panel ID

KD261PG

Panel field

Unit of recovery problem

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_OMPE_UR

PARMGEN name

KD2_OMPE_UR

PARMGEN classification

OMPE

KD2_OMPE_USE_MODEL

Use model definitions in this RTE

Description

Specify whether you want to use the DB2 subsystem definitions that are configured in a model RTE 'Use this RTE as a as a model' is set to Y different from this RTE. In the model RTE all the DB2 subsystems are configured that you want to monitor with the OMEGAMON Collector running from this RTE. All the configuration information that you need for the DB2 subsystem related runtime members is created in the profile library RKD2PRF of the model RTE. By submitting the job CRTDB2 in rhilev.midlev.rtename.RKD2SAM all runtime members needed for this RTE are created on the basis of the RKD2PRF library of the model RTE. The CRTDB2 job is generated by the 'Create runtime members OMEGAMON Collector/UI' job.

Required or optional

Required

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

This value is not stored in a configuration member.

In the Configuration Tool (ICAT)**Panel name**

Global Control Parameters

Panel ID

KD261PI

Panel field

Use model definitions in this RTE

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_OMPE_USE_MODEL

PARMGEN name

KD2_OMPE_USE_MODEL

PARMGEN classification

OMPE

KD2_OMPE_VOLUME

Volser for non-VSAM

Description

Used to specify a volume serial number that is used for all non-VSAM data sets created by the OMEGAMON Collector. This parameter is ignored, if OMEGAMON XE for DB2 PE runs on a system managed by SMS.

Since SMS can be implemented in different ways, the Configuration tool does not attempt to validate these parameters. The dataset allocation jobs will use all parameters that you enter.

Required or optional

Optional

Default value

%RTE_SMS_VOLUME%

Locations where the parameter value is stored

Location 1

In the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

VDATASERVERVOLUME= '<value>V'

Location 2

In the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

DATASERVERVOLUME= '<value>'

In the Configuration Tool (ICAT)

Panel name

OMEGAMON Collector Information

Panel ID

KD261PN

Panel field

Volser

Default value

&RTEV

Batch parameter name

KD2_OMPE_VOLUME

PARMGEN name

KD2_OMPE_VOLUME

PARMGEN classification

OMPE

KD2_OMPE_VSAM_DSHLQ

Use the KD2_OMPE_VSAM_DSHLQ parameter to specify the high-level qualifier for the VSAM data sets that the thread history collector allocates.

Description

This parameter specifies the high-level qualifier for the VSAM data sets allocated by the OMEGAMON Collector.

The default value is generated from the high-level qualifier and the mid-level qualifier that you specified for your RTE.

This parameter is also the basis of the THRDDATASET() parameter in the RKD2PAR(COPT&dbid) for the Enhanced 3270UI thread history VSAM data sets.

Required or optional

Required

Default value

%RTE_VSAM_HILEV%.%RTE_NAME%

Locations where the parameter value is stored**Location 1**

In the OMPEMSTR member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

VDATASERVERHLQ=<value>

Location 2

In the OMDDssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

DEFINE CLUSTER(NAME(<value>..%DB%.HISTORY) -

Location 3

In the OMDDssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

DELETE (<value>..%DB%.HISTORY) CLUSTER

PARMGEN name

KD2_OMPE_VSAM_DSHLQ

PARMGEN classification

OMPE

KD2_OMPE_VSAM_MGMTCLAS

Management Class for VSAM

Description

Used to specify a management class used for the allocation of all VSAM data sets created by the OMEGAMON Collector.

Required or optional

Optional

Default value

%RTE_SMS_VSAM_MGMTCLAS%

Location where the parameter value is storedIn the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

VDATASERVERMGMTCLAS='<value>'

In the Configuration Tool (ICAT)**Panel name**

OMEGAMON Collector Information

Panel ID

KD261PN

Panel field

Mgmtclas

Default value

&RTESVMGT

Batch parameter name

KD2_OMPE_VSAM_MGMTCLAS

PARMGEN name

KD2_OMPE_VSAM_MGMTCLAS

KD2_OMPE_VSAM_STOCLAS

PARMGEN classification

OMPE

KD2_OMPE_VSAM_STOCLAS

Storage Class for VSAM

Description

Used to specify a storage class used for the allocation of all VSAM data sets created by the OMEGAMON Collector.

Required or optional

Optional

Default value

%RTE_SMS_VSAM_STORCLAS%

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

VDATASERVERSTORCLAS= '<value>'

In the Configuration Tool (ICAT)

Panel name

OMEGAMON Collector Information

Panel ID

KD261PN

Panel field

Storclas

Default value

&RTEVSTOR

Batch parameter name

KD2_OMPE_VSAM_STOCLAS

PARMGEN name

KD2_OMPE_VSAM_STOCLAS

PARMGEN classification

OMPE

KD2_OMPE_VSAM_VOLUME

Volser for VSAM working data sets

Description

Used to specify a volume serial number that is used for all VSAM data sets created by the OMEGAMON Collector. This parameter is ignored, if OMEGAMON XE for DB2 PE runs on a system managed by SMS. Since SMS can be implemented in different ways, the Configuration tool does not attempt to validate these parameters. The dataset allocation jobs will use all parameters that you enter.

Required or optional

Optional

Default value

%RTE_SMS_VSAM_VOLUME%

Location where the parameter value is stored

In the OMPEMSTR member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

VDATASERVERVOLUME= '<value>'

In the Configuration Tool (ICAT)**Panel name**

OMEGAMON Collector Information

Panel ID

KD261PN

Panel field

Volser

Default value

&RTEVV

Batch parameter name

KD2_OMPE_VSAM_VOLUME

PARMGEN name

KD2_OMPE_VSAM_VOLUME

PARMGEN classification

OMPE

KD2_PFnn - Product functions

The KD2_PFnn parameters specify various product functions for your environment.

KD2_PFnn_ACS - Monitoring

KD2_PFnn_ACS_DB2MSGMON

Starts the DB2 message monitor

Description

If Y is specified the DB2 message monitor is started.

Required or optional

Required

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

DB2MSGMON=<value>

In the Configuration Tool (ICAT)**Panel name**

Additional Settings

Panel ID

KD2PPFAC

Panel field

Start DB2 message monitoring

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_PF_ACS_DB2MSGMON

PARMGEN name

KD2_PFnn_ACS_DB2MSGMON

PARMGEN classification

READA

KD2_PFnn_AEXCP - Periodic exception processing

The KD2_PFnn_AEXCP parameters control the periodic exception processing behavior in your environment.

Periodic exception processing analyzes system metrics and compares them against predefined thresholds, user-defined thresholds, and application metrics.

When a threshold is exceeded, a periodic exception is shown. This event is commonly called an exception. This function is available in Performance Expert Client.

You can start periodic exception processing in one of the following ways:

- Manually, after you start Performance Expert Client. In this case, you can define a set of thresholds for each user ID.
- Automatically, to start one user's threshold definitions when the server starts. In this case, the threshold definitions are already started when the user logs on to the client.

KD2_PFnn_AEXCP_D2PYACT

Enable Automatic Exception Processing

Description

Used to enable or disable Automatic Exception Processing.

Required or optional

Required

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

This value is not stored in a configuration member.

In the Configuration Tool (ICAT)**Panel name**

Periodic Exception Processing

Panel ID

KD261PY

Panel field

Enable Periodic Exception Processing

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_PF_AEXCP_D2PYACT

PARMGEN name

KD2_PFnn_AEXCP_D2PYACT

PARMGEN classification

EXCP

KD2_PFnn_AEXCP_D2TPFDSN

Exception file dataset name

Description

Used to specify the name of the DPMOUT output data set. Specify a fully qualified file data set name.

Required or optional

Optional (Required in case KD2_PF_AEXCP_D2TPFFLG is set to Y)

Default value

None

Locations where the parameter value is stored**Location 1**

In the OMPEssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

AUTOEXCPFILENAME=<value>

Location 2

In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

ENTRIES(' <value> ') -

Location 3

In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

DSNAME(' <value> ') -

In the Configuration Tool (ICAT)**Panel name**

Periodic Exception Processing

Panel ID

KD261PY

Panel field

Exception file data set name

Default value

None

Batch parameter name

KD2_PF_AEXCP_D2TPFDSN

PARMGEN name

KD2_PFnn_AEXCP_D2TPFDSN

PARMGEN classification

EXCP

KD2_PFnn_AEXCP_D2TPFDSP

Disposition for Exception file dataset

Description

Used to specify the disposition of the DPMOUT file data set. Valid values are MOD or OLD.

Required or optional

Optional (Required in case KD2_PF_AEXCP_D2TPFFLG is set to Y)

Default value

MOD

Permissible values

MOD, OLD

Locations where the parameter value is stored

Location 1

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

AUTOEXCPFILEDISP=<value>

Location 2

In the ALLOCDS member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

<value> CATALOG -

In the Configuration Tool (ICAT)

Panel name

Periodic Exception Processing

Panel ID

KD261PY

Panel field

Exception file data set DISP

Default value

MOD

Permissible values

MOD, OLD

Batch parameter name

KD2_PF_AEXCP_D2TPFDSP

PARMGEN name

KD2_PFnn_AEXCP_D2TPFDSP

PARMGEN classification

EXCP

KD2_PFnn_AEXCP_D2TPFFLG

Exception file

Description

Used to activate export of the performance data at time of exception to the exception file.

Required or optional

Optional (Required in case KD2_PF_AEXCP_D2PYACT is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

AUTOEXCPFILE=<value>

In the Configuration Tool (ICAT)**Panel name**

Periodic Exception Processing

Panel ID

KD261PY

Panel field

Exception file

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_PF_AEXCP_D2TPFFLG

PARMGEN name

KD2_PFnn_AEXCP_D2TPFFLG

PARMGEN classification

EXCP

KD2_PFnn_AEXCP_D2TPINTV

Periodic interval

Description

Used to specify the time period between exception checks in seconds. Specify an integer value in the range from 1 to 7200.

Required or optional

Optional (Required in case KD2_PF_AEXCP_D2PYACT is set to Y)

Default value

100

Minimum

1

Maximum

7200

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

AUTOEXCPPERIOD=<value>

In the Configuration Tool (ICAT)**Panel name**

Periodic Exception Processing

Panel ID

KD261PY

Panel field

Periodic interval

Default value

100

Minimum

1

Maximum

7200

Batch parameter name

KD2_PF_AEXCP_D2TPINTV

PARMGEN name

KD2_PFnn_AEXCP_D2TPINTV

PARMGEN classification

EXCP

KD2_PFnn_AEXCP_D2TPLDSN

Exception log dataset name

Description

Used to specify the name of the exception log data set. Specify a fully qualified data set name.

Required or optional

Optional (Required in case KD2_PF_AEXCP_D2TPLFLG is set to Y)

Default value

None

Locations where the parameter value is stored

Location 1

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

AUTOEXCPLOGNAME=<value>

Location 2

In the ALLOCDS member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

DSNAME(' <value> ') -

Location 3

In the ALLOCDS member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

ENTRIES(' <value> ') -

In the Configuration Tool (ICAT)

Panel name

Periodic Exception Processing

Panel ID

KD261PY

Panel field

Exception log data set name

Default value

None

Batch parameter name

KD2_PF_AEXCP_D2TPLDSN

PARMGEN name

KD2_PFnn_AEXCP_D2TPLDSN

PARMGEN classification

EXCP

KD2_PFnn_AEXCP_D2TPLDSP

Disposition for Exception log dataset

Description

Used to specify the disposition of the exception log data set. Valid values are MOD or OLD.

Required or optional

Optional (Required in case KD2_PF_AEXCP_D2TPLFLG is set to Y)

Default value

MOD

Permissible values

MOD, OLD

Locations where the parameter value is stored**Location 1**

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

AUTOEXCPLOGDISP=<value>

Location 2

In the ALLOCDS member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

<value> CATALOG -

In the Configuration Tool (ICAT)**Panel name**

Periodic Exception Processing

Panel ID

KD261PY

Panel field

Exception log data set DISP

Default value

MOD

Permissible values

MOD, OLD

Batch parameter name

KD2_PF_AEXCP_D2TPLDSP

PARMGEN name

KD2_PFnn_AEXCP_D2TPLDSP

PARMGEN classification

EXCP

KD2_PFnn_AEXCP_D2TPLFLG

Exception log

Description

Used to activate export of the exception data to the exception log.

Required or optional

Optional (Required in case KD2_PF_AEXCP_D2PYACT is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is storedIn the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

AUTOEXCPL0G=<value>

In the Configuration Tool (ICAT)**Panel name**

Periodic Exception Processing

Panel ID

KD261PY

Panel field

Exception log

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_PF_AEXCP_D2TPLFLG

PARMGEN name

KD2_PFn_AEXCP_D2TPLFLG

PARMGEN classification

EXCP

KD2_PFn_AEXCP_D2TPTDSN

Threshold data set name

Description

The Exception Threshold data set contains the exception thresholds for the Statistics and Accounting exception reports and traces. When exception processing is active, the instrumentation data is checked against these thresholds.

You can either use an existing threshold data set or let ICAT generate a new threshold data set. Specify a fully qualified data set name without quotes. If the specified threshold data set does not exist, ICAT generates an empty sequential data set using the following attributes:

RECFM

VB

LRECL

255

BLKSIZE

6233

You need to specify thresholds in the specified data set. If the threshold data set is empty, Automatic Exception Processing is not started and the following message is written to the message log:

FPEV0263E D823 AUTOMATIC EXCP NOT STARTED - NO VALID THRESHOLD

To specify thresholds:

Use the thresholds in the supplied sample Threshold data set DGOETV41 in RKO2DATA or in case of an SMP/E Sharing RTE: TKO2DATA. The sample contains a selection of exception fields with predefined threshold values and can be used to get started with exception reporting. To use the sample threshold data set as input for Automatic Exception Processing, copy the contents of DGOETV41 to the threshold data set generated by ICAT.

Note: The sample Exception Threshold data set member DGOETV41 has a different record length. As a result, when you copy member DGOETV41 to your newly allocated data set, you see a warning that records are truncated. You can ignore this warning.

Refer to the Reporting User's Guide 'Specifying exceptions using the Exception Threshold data set editor' and 'Exception Threshold data set' for additional information.

Required or optional

Optional (Required in case KD2_PF_AEXCP_D2PYACT is set to Y)

Default value

%RTE_HILEV%.%RTE_NAME%.RKD2THRS

Locations where the parameter value is stored

Location 1

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

AUTOEXCPTHNAME=<value>

Location 2

In the ALLOCDS member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

DSNAME(' <value> ') -

Location 3

In the ALLOCDS member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

ENTRIES(' <value> ') -

In the Configuration Tool (ICAT)

Panel name

Periodic Exception Processing

Panel ID

KD261PY

Panel field

Threshold data set name

Default value

None

Batch parameter name

KD2_PF_AEXCP_D2TPTDSN

PARMGEN name

KD2_PFnn_AEXCP_D2TPTDSN

PARMGEN classification

EXCP

KD2_PFnn_AEXCP_D2TPTFMC

Management Class of Exception datasets

Description

Used to specify the SMS management class for the Excp processing datasets that are to be allocated.

Required or optional

Optional

Default value

%RTE_SMS_MGMTCLAS%

Location where the parameter value is stored

In the ALLOCDS member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

MGMTCLAS(<value>) -

In the Configuration Tool (ICAT)

Panel name

Periodic Exception Processing

Panel ID

KD261PY

Panel field

MGMTCLAS

Default value

None

Batch parameter name

KD2_PF_AEXCP_D2TPTFMC

PARMGEN name

KD2_PFnn_AEXCP_D2TPTFMC

PARMGEN classification

EXCP

KD2_PFnn_AEXCP_D2TPTFSC

Storage Class of Exception datasets

Description

Used to specify the SMS storage class for the Excp processing datasets that are to be allocated.

Required or optional

Optional

Default value

%RTE_SMS_STORCLAS%

Location where the parameter value is stored

In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

STORCLAS(<value>) -

In the Configuration Tool (ICAT)

Panel name

Periodic Exception Processing

Panel ID

KD261PY

Panel field

STORCLAS

Default value

None

Batch parameter name

KD2_PF_AEXCP_D2TPTFSC

PARMGEN name

KD2_PFnn_AEXCP_D2TPTFSC

PARMGEN classification

EXCP

KD2_PFnn_AEXCP_D2TPUID

User ID

Description

Used to specify the user ID of the OMEGAMON XE for DB2 PE user for whom you want to start Automatic Exception Processing. The user ID can be up to 8 characters long. The default user ID is the OMEGAMON XE for DB2 PE user ID.

Required or optional

Optional (Required in case KD2_PF_AEXCP_D2PYACT is set to Y)

Default value

None

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

AUTOEXCUSER=<value>

In the Configuration Tool (ICAT)**Panel name**

Periodic Exception Processing

Panel ID

KD261PY

Panel field

Threshold user ID

Default value

None

Batch parameter name

KD2_PF_AEXCP_D2TPUID

PARMGEN name

KD2_PFnn_AEXCP_D2TPUID

PARMGEN classification

EXCP

KD2_PFnn_AEXCP_D2TPUXIT

Use user exit

Description

Used to specify whether the user exit for Automatic Exception Processing is activated. The default is N.

Required or optional

Optional (Required in case KD2_PF_AEXCP_D2PYACT is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

AUTOEXCPEXIT=<value>

In the Configuration Tool (ICAT)

Panel name

Periodic Exception Processing

Panel ID

KD261PY

Panel field

User exception exit

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_PF_AEXCP_D2TPUXIT

PARMGEN name

KD2_PFnn_AEXCP_D2TPUXIT

PARMGEN classification

EXCP

KD2_PFnn_AEXCP_D2TPVL

Volser of Exception datasets

Description

Used to specify the volser for the Automatic Excp processing datasets that are to be allocated.

Required or optional

Optional

Default value

%RTE_SMS_VOLUME%

Location where the parameter value is stored

In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

VOL (<value>) -

In the Configuration Tool (ICAT)

Panel name

Periodic Exception Processing

Panel ID

KD261PY

Panel field

Volser

Default value

None

Batch parameter name

KD2_PF_AEXCP_D2TPVL

PARMGEN name

KD2_PFnn_AEXCP_D2TPVL

PARMGEN classification

EXCP

KD2_PFnn_DCM - Db2 Connect Monitoring

The KD2_PFnn_DCM parameters specify Db2 Connect Monitoring settings in your environment.

KD2_PFnn_DCM_D2SHDCAI

DB2 Connect application data interval

Description

Specifies in seconds how often the OMEGAMON Collector is to collect DB2 Connect application data for later viewing. This value can be set from 10 second to 86400 seconds for one day. It is recommended to set this value to a multiple of KD2_PFnn_SH_D2SHSTAI.

Required or optional

Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y and KD2_PF_DCM_D2SHDCAP is set to Y)

Default value

60

Minimum

10

Maximum

86400

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SHDB2CONNECTAPPLICATION=(`<KD2_PFnn_DCM_D2SHDCAP>`,`<value>`)

In the Configuration Tool (ICAT)

Panel name

Snapshot History

Panel ID

KD261PE

Panel field

DB2 Connect Application Interval

Default value

60

Minimum

10

Maximum

86400

Batch parameter name

KD2_PF_DCM_D2SHDCAI

PARMGEN name

KD2_PFnn_DCM_D2SHDCAI

PARMGEN classification

SS_HIS

KD2_PFnn_DCM_D2SHDCAP

DB2 Connect Monitoring application data

Description

Specify whether DB2 Connect Monitoring application data is to be collected.

KD2_PF_DCM_D2SHDCSI

If you enable data collection for this collection then this enables the function DB2 Connect Monitoring.

Note: To use DB2 Connect Monitoring Performance Warehouse has to run at least once to set up the required tables for DB2 Connect Monitoring. Furthermore the DB2 Performance Expert Agent for DB2 Connect Monitoring Workstation has to be installed.

Required or optional

Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SHDB2CONNECTAPPLICATION=(*<value>*,*<KD2_PFnn_DCM_D2SHDCAI>*)

In the Configuration Tool (ICAT)

Panel name

Snapshot History

Panel ID

KD261PE

Panel field

DB2 Connect Application

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_PF_DCM_D2SHDCAP

PARMGEN name

KD2_PFnn_DCM_D2SHDCAP

PARMGEN classification

SS_HIS

KD2_PFnn_DCM_D2SHDCSI

DB2 Connect system data

Description

Specifies in seconds how often the OMEGAMON Collector is to collect DB2 Connect system data for later viewing. This value can be set from 10 second to 86400 seconds for one day. It is recommended to set this value to a multiple of KD2_PFnn_SH_D2SHSTAI.

Required or optional

Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y and KD2_PF_DCM_D2SHDCST is set to Y)

Default value

120

Minimum

10

Maximum

86400

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SHDB2CONNECTSYSTEM=(*<KD2_PFnn_DCM_D2SHDCST>*,*<value>*)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PE

Panel field

DB2 Connect System Interval

Default value

120

Minimum

10

Maximum

86400

Batch parameter name

KD2_PF_DCM_D2SHDCSI

PARMGEN name

KD2_PFnn_DCM_D2SHDCSI

PARMGEN classification

SS_HIS

KD2_PFnn_DCM_D2SHDCST

DB2 Connect system data

Description

Specify whether DB2 Connect Monitoring system data is to be collected.

If you enable data collection for this collection then this enables the function DB2 Connect Monitoring.

Note: To use DB2 Connect Monitoring Performance Warehouse has to run at least once to set up the required tables for DB2 Connect Monitoring. Furthermore the DB2 Performance Expert Agent for DB2 Connect Monitoring Workstation has to be installed.

Required or optional

Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SHDB2CONNECTSYSTEM=(*<value>*,*<KD2_PFnn_DCM_D2SHDCSI>*)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PE

KD2_PF_EX_D2EXACT

Panel field

DB2 Connect System

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_PF_DCM_D2SHDCST

PARMGEN name

KD2_PFnn_DCM_D2SHDCST

PARMGEN classification

SS_HIS

KD2_PFnn_EX - Db2 Explain

The KD2_PFnn_EX parameters control the Db2 Explain behavior in your environment.

Explain functions provide an easy-to-read representation of access plan information for your SQL queries and statements. You can use this information to decide how to tune your queries. The built-in explain functions are Easy Explain and the EXPLAIN report. You must create a database to be used by EXPLAIN. There are no special requirements regarding database name, storage group, or index buffer pool. But you must use an 8 KB buffer pool. The database name has to be specified using the PARMGEN.

KD2_PFnn_EX_D2EXACT

Enable DB2 EXPLAIN

Description

Specify whether you want to enable DB2 EXPLAIN:

Y

Enable DB2 EXPLAIN.

N

Disable DB2 EXPLAIN.

Required or optional

Required

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

This value is not stored in a configuration member.

In the Configuration Tool (ICAT)**Panel name**

DB2 Explain

Panel ID

KD261P4

Panel field

Enable DB2 EXPLAIN

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_Pf_EX_D2EXACT

PARMGEN name

KD2_Pfnn_EX_D2EXACT

PARMGEN classification

EXPLAIN

KD2_Pfnn_EX_D2EXDB

DB2 EXPLAIN data base

Description

Specify the EXPLAIN database name. There are no special requirements regarding database name, storage group, or index buffer pool. But you must use an 8 KB buffer pool.

Required or optional

Optional (Required in case KD2_Pf_EX_D2EXACT is set to Y)

Default value

DATBA8K

Locations where the parameter value is stored**Location 1**In the EXCTssid member of the *rhilev.midlev.rtename.RKD2SAM* library**Output line**

IN DATABASE <value>

Location 2In the EXGRssid member of the *rhilev.midlev.rtename.RKD2SAM* library**Output line**

GRANT CREATETS ON DATABASE <value> TO <KD2_Pfnn_EX_D2EX0BJ>

Location 3In the EXGRssid member of the *rhilev.midlev.rtename.RKD2SAM* library**Output line**

GRANT CREATETAB ON DATABASE <value> TO <KD2_Pfnn_EX_D2EX0BJ>

Location 4In the EXCQssid member of the *rhilev.midlev.rtename.RKD2SAM* library**Output line**

IN DATABASE <value>

In the Configuration Tool (ICAT)**Panel name**

DB2 Explain

Panel ID

KD261P4

Panel field

EXPLAIN database

Default value

DATBA8K

Batch parameter name

KD2_Pf_EX_D2EXDB

PARMGEN name

KD2_Pfnn_EX_D2EXDB

PARMGEN classification

EXPLAIN

KD2_PFn_n_EX_D2EXOBJ

DB2 EXPLAIN objects owner

Description

Specify the AUTH ID of the OMEGAMON XE for DB2 PE started task.

Required or optional

Optional (Required in case KD2_PF_EX_D2EXACT is set to Y)

Default value

DB2PM

Locations where the parameter value is stored**Location 1**In the EXBDssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

OWNER (<value>) +

Location 2In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

GRANT SELECT ON SYSIBM.SYSPLAN TO <value>;

Location 3In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

GRANT SELECT ON SYSIBM.SYSSTMT TO <value>;

Location 4In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

GRANT SELECT ON SYSIBM.SYSTABLES TO <value>;

Location 5In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

GRANT SELECT ON SYSIBM.SYSPACKSTMT TO <value>;

Location 6In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

GRANT SELECT ON SYSIBM.SYSINDEXES TO <value>;

Location 7In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

GRANT SELECT ON SYSIBM.SYSTABLEPART TO <value>;

Location 8In the EXC8ssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

SET CURRENT SQLID = '<value>';

Location 9In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

GRANT SELECT ON SYSIBM.SYSINDEXPART TO <value>;

Location 10In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSPACKAGE TO <value>;
```

Location 11

In the EXGPssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON TABLE <value>..DGO_SYSDBRM TO %exuser%;
```

Location 12

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT CREATETS ON DATABASE <KD2_PFn_EX_D2EXDB> TO <value>;
```

Location 13

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSTABLESPACE TO <value>;
```

Location 14

In the EXGPssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT INSERT ON TABLE <value>..DGO_SYSPACKAGE TO %exuser%;
```

Location 15

In the EXCQssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
SET CURRENT SQLID = '<value>';
```

Location 16

In the EXC0ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
SET CURRENT SQLID = '<value>';
```

Location 17

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSKEYS TO <value>;
```

Location 18

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSINDEXSTATS TO <value>;
```

Location 19

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSPACKDEP TO <value>;
```

Location 20

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSTABSTATS TO <value>;
```

Location 21

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSCOLUMNS TO <value>;
```

Location 22

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT CREATETAB ON DATABASE <KD2_Pfnn_EX_D2EXDB> TO <value>;
```

Location 23

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT PACKADM ON COLLECTION K02EX510 TO <value>;
```

Location 24

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT USE OF STOGROUP SYSDEFLT TO <value>;
```

Location 25

In the EXCVssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
SET CURRENT SQLID = '<value>';
```

Location 26

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSDATABASE TO <value>;
```

Location 27

In the EXDVssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
SET CURRENT SQLID = '<value>';
```

Location 28

In the EXGPssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON TABLE <value>..DGO_SYSPACKAGE TO %exuser%;
```

Location 29

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSCOLDIST TO <value>;
```

Location 30

In the EXCTssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
SET CURRENT SQLID = '<value>';
```

Location 31

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSFIELDS TO <value>;
```

Location 32

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSDBRM TO <value>;
```

Location 33

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSSYNONYMS TO <value>;
```

Location 34

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSPACKLIST TO <value>;
```

Location 35

In the EXGPssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT INSERT ON TABLE <value>..DGO_SYSDBRM TO %exuser%;
```

Location 36

In the EXBPssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
OWNER (<value>) +
```

Location 37

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT BINDADD TO <value>;
```

In the Configuration Tool (ICAT)**Panel name**

DB2 Explain

Panel ID

KD261P4

Panel field

Owner of EXPLAIN objects

Default value

DB2PM

Batch parameter name

KD2_Pf_EX_D2EXOBJ

PARMGEN name

KD2_Pfnn_EX_D2EXOBJ

PARMGEN classification

EXPLAIN

KD2_Pfnn_EX_D2EXQMF

Is DB2 EXPLAIN QMF installed

Description

Specify Y if QMF is installed.

Required or optional

Optional (Required in case KD2_Pf_EX_D2EXACT is set to Y)

Default value

N

Permissible values

Y, N

Locations where the parameter value is stored**Location 1**

In the EXGPssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON <value>I..OBJECT_DATA TO %exuser%;
```

Location 2

In the EXCQssid member of the *rhilev.midlev.rtename*.RKD2SAM library

KD2_Pf_EX_D2EXQMFI

Output line

```
FROM <value>I..OBJECT_DIRECTORY ;
```

Location 3

In the EXGPssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON <value>I..OBJECT_DIRECTORY TO %exuser%;
```

Location 4

In the EXCQssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
FROM <value>I..OBJECT_DATA ;
```

In the Configuration Tool (ICAT)

Panel name

DB2 Explain

Panel ID

KD261P4

Panel field

Is QMF installed

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_Pf_EX_D2EXQMF

PARMGEN name

KD2_Pfnn_EX_D2EXQMF

PARMGEN classification

EXPLAIN

KD2_Pfnn_EX_D2EXQMFI

DB2 QMF Owner ID

Description

If QMF is installed, specify the QMF Owner ID.

Required or optional

Optional (Required in case KD2_Pf_EX_D2EXACT is set to Y and KD2_Pf_EX_D2EXQMF is set to Y)

Default value

Q

Locations where the parameter value is stored

Location 1

In the EXGPssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON <value>..OBJECT_DIRECTORY TO %exuser%;
```

Location 2

In the EXCQssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
FROM <value>..OBJECT_DIRECTORY ;
```

Location 3

In the EXCQssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
FROM <value>..OBJECT_DATA ;
```

Location 4

In the EXGPssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
GRANT SELECT ON <value>..OBJECT_DATA TO %exuser%;
```

In the Configuration Tool (ICAT)**Panel name**

DB2 Explain

Panel ID

KD261P4

Panel field

QMF Owner ID

Default value

Q

Batch parameter name

KD2_PF_EX_D2EXQMFI

PARMGEN name

KD2_PFn_n_EX_D2EXQMFI

PARMGEN classification

EXPLAIN

KD2_PFn_n_HIS - Near-Term History

The KD2_PFn_n_HIS parameters control the history behavior in your environment.

KD2_OMPE_OPTS_NTHDB2I

NTH Collector Db2 initialization option

Description

This parameter controls the behavior of NTH collection task during startup with regards to Db2 subsystem availability.

When set to WTOR (the default), a WTOR will be issued which the user can reply to and have NTH collection changed to a different Db2 subsystem or to stop the NTH collection task.

If no reply is given to the WTOR, the WTOR will be deleted when the Db2 subsystem is discovered/ started or when the started task is shut down.

If set to WAIT, then the NTH collector waits until the Db2 subsystem is started.

Required or optional

Optional

Default value

WTOR

Permissible values

WTOR, WAIT

Location where the parameter value is stored

In the OMPEOPTS member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
NTHDB2I=<value>
```

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_OMPE_OPTS_NTHDB2I

PARMGEN name

KD2_OMPE_OPTS_NTHDB2I

PARMGEN classification

OMPE

KD2_PFnn_HIS_ACCTG_CLAS

Use the KD2_PFnn_HIS_ACCTG_CLAS parameter to specify one or more types of accounting data to collect.

Description

Specifies the type of accounting data to collect.

Class 1 IFCID 3 no In-DB2 or I/O and lock wait times.

Class 2 IFCID 3 In-DB2 time.

Class 3 IFCID 3 I/O and lock wait times.

Class 7 IFCID 3,239 Package/DBRM In-DB2 time.

Class 8 IFCID 3,239 Package/DBRM I/O and lock wait times.

Class 10 IFCID 239 Package detail

Class 11 IFCID 3,200 No package info. For DB2 v11 and above only.

Enter a list of the accounting classes that you want to collect data from. For example "1 2 3"

NOTE: In order to reduce the number of IFCIDs collected and not collect the IFCID 239, class 11 should be requested

without classes 7, 8 and 10. Class 11 supported in DB2 v11 and above.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

1

Location where the parameter value is stored

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

ACCTG(<value>Y)

PARMGEN name

KD2_PFnn_HIS_ACCTG_CLAS

PARMGEN classification

NTH

KD2_PFnn_HIS_LOG_NUM

Number of Classic NTH VSAM data sets

Description

Specify the number of VSAM data sets to be used for Classic Near Term History collection. You can specify 3 to 768 data sets. The default is 7.

This field is only applicable if you specified VSAM, VSAMSEQ or VSAMSEQTHVSAM as the storage mechanism to be used for Classic Near Term History.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

7

Minimum

3

Maximum

768

Location where the parameter value is stored

This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_LOG_NUM

PARMGEN name

KD2_PFnn_HIS_LOG_NUM

PARMGEN classification

NTH

KD2_PFnn_HIS_SEQ_LOG_NUM

Number of NTH static SEQ data sets

Description

Specify the number of sequential data sets that will be created for trace data collection. A minimum of 3 data sets is required. Ensure that the set of historical sequential data sets is unique for each Db2 subsystem.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to S)

Default value

3

Minimum

3

Maximum

10

Locations where the parameter value is stored**Location 1**

In the ALLOCDS member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
LISTCAT ENTRIES('<value>') NAME
```

Location 2

In the ALLOCDS member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
ALLOC DSNAME('<value>') -
```

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_SEQ_LOG_NUM

PARMGEN name

KD2_PFnn_HIS_SEQ_LOG_NUM

PARMGEN classification

NTH

KD2_Pfnn_HIS_SEQ_MCLAS

Mgmt Class for NTH SEQ data sets

Description

If the historical sequential data sets are SMS-managed, then specify the SMS management class to be used on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional

Optional

Default value

%RTE_SMS_MGMTCLAS%

Location where the parameter value is storedIn the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

MGMTCLAS(<value>) +

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_Pf_HIS_SEQ_MCLAS

PARMGEN name

KD2_Pfnn_HIS_SEQ_MCLAS

PARMGEN classification

NTH

KD2_Pfnn_HIS_SEQ_SCLAS

Storage class for NTH SEQ data sets

Description

If the historical sequential data sets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional

Optional

Default value

%RTE_SMS_STORCLAS%

Location where the parameter value is storedIn the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

STORCLAS(<value>) +

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_Pf_HIS_SEQ_SCLAS

PARMGEN name

KD2_PFn_HIS_SEQ_SCLAS

PARMGEN classification

NTH

KD2_PFn_HIS_SEQ_UNIT

Unit for NTH sequential data sets

Description

Specify the unit name for the allocation of the historical sequential data sets. If the historical sequential data sets are not SMS-managed then this is a required entry. If your installation does not use the unit name, you can leave this field blank.

Required or optional

Optional

Default value

%RTE_SMS_UNIT%

Location where the parameter value is storedIn the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

UNIT(<value>) +

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_Pf_HIS_SEQ_UNIT

PARMGEN name

KD2_PFn_HIS_SEQ_UNIT

PARMGEN classification

NTH

KD2_PFn_HIS_SEQ_VOLUME

Volser for NTH sequential data sets

Description

Specify the volume serial number for the allocation of the historical sequential data set. If the historical sequential data sets are not to be SMS-managed, then this is a required entry. If your installation does not use the volume serial number, you can leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional

Optional

Default value

%RTE_SMS_VOLUME%

Location where the parameter value is storedIn the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

VOLUME(<value>) +

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_Pf_HIS_SEQ_VOLUME

PARMGEN name

KD2_PFNn_HIS_SEQ_VOLUME

PARMGEN classification

NTH

KD2_PFNn_HIS_VSAM_MCLAS

Mgmt class for NTH VSAM data sets

Description

If the VSAM data sets are SMS-managed, then specify the SMS Management class to be used on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

Required or optional

Optional

Default value

%RTE_SMS_VSAM_MGMTCLAS%

Locations where the parameter value is stored**Location 1**In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

MGMTCLAS(<value>)

Location 2In the HCRVssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

MGMTCLAS(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PFN_HIS_VSAM_MCLAS

PARMGEN name

KD2_PFNn_HIS_VSAM_MCLAS

PARMGEN classification

NTH

KD2_PFNn_HIS_VSAM_MCLAS1

Customize the SMS management class for E3270 Thread History data sets.

Description

If the VSAM datasets are SMS-managed, then specify the SMS Management class to be used on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

Required or optional

Optional

Default value

%RTE_SMS_VSAM_MGMTCLAS%

Locations where the parameter value is stored**Location 1**In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

MGMTCLAS(<value>)

Location 2In the HCRVssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

MGMTCLAS(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261P7

Panel field

Mgmtclas

Default value

&RTESVMGT

Batch parameter name

KD2_Pf_HIS_VSAM_MCLAS1

PARMGEN name

KD2_Pfnn_HIS_VSAM_MCLAS1

PARMGEN classification

NTH

KD2_Pfnn_HIS_VSAM_SCLAS

Storage class for NTH VSAM data sets

Description

If the VSAM data sets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

Required or optional

Optional

Default value

%RTE_SMS_VSAM_STORCLAS%

Locations where the parameter value is stored**Location 1**In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

STORCLAS(<value>)

Location 2In the HCRVssid member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

STORCLAS(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_Pf_HIS_VSAM_SCLAS

PARMGEN name

KD2_Pfnn_HIS_VSAM_SCLAS

PARMGEN classification

NTH

KD2_PFnn_HIS_VSAM_SCLAS1

Customize the SMS storage class for E3270 Thread History data sets.

Description

If the VSAM datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

Required or optional

Optional

Default value

%RTE_SMS_VSAM_STORCLAS%

Locations where the parameter value is stored**Location 1**

In the ALLOCDS member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

STORCLAS(<value>)

Location 2

In the HCRVssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

STORCLAS(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261P7

Panel field

Storclas

Default value

&RTEVSTOR

Batch parameter name

KD2_PF_HIS_VSAM_SCLAS1

PARMGEN name

KD2_PFnn_HIS_VSAM_SCLAS1

PARMGEN classification

NTH

KD2_PFnn_HIS_VSAM_VOLUME

Volser for NTH VSAM data sets

Description

Specify the volume serial numbers for the allocation of the VSAM data sets. If VSAM data sets are not to be SMS-managed, then this is a required entry. If your installation does not use the volume serial number, you can leave this field blank.

Required or optional

Optional

Default value

%RTE_SMS_VSAM_VOLUME%

Locations where the parameter value is stored**Location 1**

In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

VOLUME(<value>)

Location 2

In the HCRVssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

VOLUME(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_VSAM_VOLUME

PARMGEN name

KD2_PFn_HIS_VSAM_VOLUME

PARMGEN classification

NTH

KD2_PFn_HIS_VSAM_VOLUME1

Customize the SMS <volser> class for E3270 Thread History Data sets.

Description

Specify the volume serial numbers for the allocation of the VSAM datasets. If VSAM datasets are not to be SMS-managed, then this is a required entry. If your installation does not use the volume serial number, you can leave this field blank.

Required or optional

Optional

Default value

%RTE_SMS_VSAM_VOLUME%

Locations where the parameter value is stored**Location 1**

In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

VOLUME(<value>)

Location 2

In the HCRVssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

VOLUME(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261P7

Panel field

Volser

Default value

&RTEVV

Batch parameter name

KD2_PF_HIS_VSAM_VOL1

PARMGEN name

KD2_PFnn_HIS_VSAM_VOLUME1

PARMGEN classification

NTH

KD2_PFnn_HIS_AD - Anomaly detection

The KD2_PFnn_HIS_AD parameters control anomaly detection behavior in your environment.

KD2_PFnn_HIS_AD_ALPHA

Specifies the Alpha Smoothing Factor

Description

The Alpha Smoothing the factor used to smooth or filter the data from the most recent period. An alpha factor of 0.1 means to give the most recent data period a weighting of 0.1 and the previous period a weighting of 0.9.

Required or optional

Required

Default value

0.010

Minimum

0.001

Maximum

0.100

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

ADALPHA(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_AD_ALPHA

PARMGEN name

KD2_PFnn_HIS_AD_ALPHA

PARMGEN classification

NTH

KD2_PFnn_HIS_AD_CPU_DSC_TOL

Specifies the CPU Discard Tolerance

Description

Specifies the discard level that has to be exceeded for a Db2 thread's CPU time not to update the rolling mean and standard deviation.

Required or optional

Required

Default value

20.0

Minimum

2

Maximum

200

Location where the parameter value is storedIn the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

ADDCPUdTOLR(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_Pf_HIS_AD_CPU_DSC_TOL

PARMGEN name

KD2_Pfnn_HIS_AD_CPU_DSC_TOL

PARMGEN classification

NTH

KD2_Pfnn_HIS_AD_CPU_TOL

Specifies the CPU Time tolerance

Description

Specifies the CPU Time sensitivity (toleration) that when it is exceeded produces an anomaly exception for CPU time for a Db2 thread.

Toleration level shows how many standard deviations away from the Mean determines the thread is an anomaly.

Required or optional

Required

Default value

10.0

Minimum

1

Maximum

100

Location where the parameter value is storedIn the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

ADCPUTOLER(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_Pf_HIS_AD_CPU_TOL

PARMGEN name

KD2_Pfnn_HIS_AD_CPU_TOL

PARMGEN classification

NTH

KD2_Pfnn_HIS_AD_ELP_DSC_TOL

Specifies the Elapsed Discard Tolerance

Description

Specifies the discard level that has to be exceeded for a Db2 thread's elapsed time not to update the rolling mean and standard deviation.

Required or optional

Required

Default value

20.0

Minimum

2

Maximum

200

Location where the parameter value is storedIn the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

ADDELDTOLR(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_AD_ELP_DSC_TOL

PARMGEN name

KD2_PFnn_HIS_AD_ELP_DSC_TOL

PARMGEN classification

NTH

KD2_PFnn_HIS_AD_ELP_TOL

Specifies the Elapsed Time Tolerance

Description

Specifies the Elapsed Time toleration that when it is exceeded produces an anomaly exception for Elapsed time for a Db2 thread.

Toleration level shows how many standard deviations away from the Mean determines the thread is an anomaly.

Required or optional

Required

Default value

10.0

Minimum

1

Maximum

100

Location where the parameter value is storedIn the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

ADELTOLER(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_AD_ELP_TOL

PARMGEN name

KD2_PFnn_HIS_AD_ELP_TOL

PARMGEN classification

NTH

KD2_PFnn_HIS_AD_ENABLED

Enable Anomaly Detection

Description

Specify whether or not to collect anomaly detection data.

Y

Enable Anomaly Detection.

N

Disable Anomaly Detection.

Required or optional

Optional

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

ADENABLED(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_AD_ENABLED

PARMGEN name

KD2_PFnn_HIS_AD_ENABLED

PARMGEN classification

NTH

KD2_PFnn_HIS_AD_GP_DLT

The Mimimum change in Getpages

Description

The Get Page Minimum delta to reduce false positives on getpages. If the difference in getpages is lower than this amount it will not be considered an Anomaly.

Required or optional

Required

Default value

50.0

Minimum

10

Maximum

100

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

ADGPDELTA(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_AD_GP_DLT

PARMGEN name

KD2_PFn_HIS_AD_GP_DLT

PARMGEN classification

NTH

KD2_PFn_HIS_AD_GPG_DSC_TOL

Specifies the Get Page Discard Tolerance

Description

Specifies the discard level that has to be exceeded for a Db2 thread's get pages not to update the rolling mean and standard deviation.

Required or optional

Required

Default value

20.0

Minimum

2

Maximum

200

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

ADDGPDTOLR(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_AD_GPG_DSC_TOL

PARMGEN name

KD2_PFn_HIS_AD_GPG_DSC_TOL

PARMGEN classification

NTH

KD2_PFn_HIS_AD_GPG_TOL

Specifies the Get Page tolerance

Description

Specifies the Get Page toleration that when it is exceeded produces an anomaly exception for Get Pages for a Db2 thread.

Toleration level shows how many standard deviations away from the Mean determines the thread is an anomaly.

Required or optional

Required

Default value

10.0

Minimum

1

Maximum

100

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

ADGPTOLER(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_AD_GPG_TOL

PARMGEN name

KD2_PFnn_HIS_AD_GPG_TOL

PARMGEN classification

NTH

KD2_PFnn_HIS_AD_MEMORY_SIZE

Megabytes that will be used.

Description

Specifies the number of megabytes of above-the-bar storage each Db2 will use for Anomaly Detection group areas.

Required or optional

Required

Default value

2048

Minimum

512

Maximum

16384

Location where the parameter value is storedIn the COPTssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

ADMEMSIZ(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_AD_MEMORY_SIZE

PARMGEN name

KD2_PFnn_HIS_AD_MEMORY_SIZE

PARMGEN classification

NTH

KD2_PFnn_HIS_AD_MIN_COUNT

Number of Threads in the learning period

Description

Specifies the number of Threads analyzed during the learning period for a given workload group before OMEGAMON for Db2 begins detecting anomalies for the group.

Required or optional

Required

Default value

100

Minimum

1

Maximum

9999

Location where the parameter value is storedIn the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

ADMCOUNT(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_AD_MIN_COUNT

PARMGEN name

KD2_PFnn_HIS_AD_MIN_COUNT

PARMGEN classification

NTH

KD2_PFnn_HIS_AD_USE_AUTH

Specifies to use Auth ID as part of key

Description

Specifies whether to use Authorization ID as a part of key for Anomaly Grouping.

Y

Use Authorization ID for grouping.

N

Do not use Authorization ID for grouping.

Required or optional

Optional

Default value

N

Permissible values

Y, N

Location where the parameter value is storedIn the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

ADJAUTH(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_AD_USE_AUTH

PARMGEN name

KD2_PFnn_HIS_AD_USE_AUTH

PARMGEN classification

NTH

KD2_PFnn_HIS_AD_USE_CONNECT

Use the connection type as part of key

Description

Specifies whether to use Connection Type as a part of key for Anomaly Grouping.

Y

Use Connection Type for grouping.

N

Do not use Connection Type for grouping.

Required or optional

Optional

Default value

N

Permissible values

Y, N

Location where the parameter value is storedIn the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

ADUCONN(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_AD_USE_CONNECT

PARMGEN name

KD2_PFnn_HIS_AD_USE_CONNECT

PARMGEN classification

NTH

KD2_PFnn_HIS_AD_USE_CONNNM

Use connection name as part of key

Description

Specifies whether to use Connection Name as a part of key for Anomaly Grouping.

Y

Use Connection Name for grouping.

N

Do not use Connection Name for grouping.

Required or optional

Optional

Default value

N

Permissible values

Y, N

Location where the parameter value is storedIn the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

ADUCONNNM(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_AD_USE_CONNNM

PARMGEN name

KD2_PFnn_HIS_AD_USE_CONNNM

PARMGEN classification

NTH

KD2_PFnn_HIS_AD_USE_CORRID

Use Correlation ID as part of key

Description

Specifies whether to use Correlation ID as a part of key for Anomaly Grouping.

Y

Use Correlation ID for grouping.

N

Do not use Correlation ID for grouping.

Required or optional

Optional

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

ADUCORRID(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_AD_USE_CORRID

PARMGEN name

KD2_PFnn_HIS_AD_USE_CORRID

PARMGEN classification

NTH

KD2_PFnn_HIS_AD_USE_ENDUSER

Use End User ID as part of key

Description

Specifies whether to use End User ID as a part of key for Anomaly Grouping.

Y

Use End User ID for grouping.

N

Do not use End User ID for grouping.

Required or optional

Optional

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

ADUEUID(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_Pf_HIS_AD_USE_ENDUSER

PARMGEN name

KD2_Pfnn_HIS_AD_USE_ENDUSER

PARMGEN classification

NTH

KD2_Pfnn_HIS_AD_USE_PLAN

Use PLAN name as part of key

Description

Specifies whether to use PLAN name as a part of key for Anomaly Grouping.

Y

Use Plan name for grouping.

N

Do not use Plan name for grouping.

Required or optional

Optional

Default value

N

Permissible values

Y, N

Location where the parameter value is storedIn the COPTssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

ADUPLAN(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_Pf_HIS_AD_USE_PLAN

PARMGEN name

KD2_Pfnn_HIS_AD_USE_PLAN

PARMGEN classification

NTH

KD2_Pfnn_HIS_AD_USE_TRANSAC

Use End User Transaction as part of key

Description

Specifies whether to use End User Transaction Name as a part of key for Anomaly Grouping.

Y

Use End User Transaction Name for grouping.

N

Do not use End User Transaction Name for grouping.

Required or optional

Optional

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

ADUEUTX(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_AD_USE_TRANSAC

PARMGEN name

KD2_PFnn_HIS_AD_USE_TRANSAC

PARMGEN classification

NTH

KD2_PFnn_HIS_AD_USE_WSNAME

Use End User Workstation as part of key

Description

Specifies whether to use End User Workstation Name as a part of key for Anomaly Grouping.

Y

Use End User Workstation Name for grouping.

N

Do not use End User Workstation Name for grouping.

Required or optional

Optional

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

ADUEUWN(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_HIS_AD_USE_WSNAME

PARMGEN name

KD2_PFnn_HIS_AD_USE_WSNAME

PARMGEN classification

NTH

KD2_PFnn_HIS_BUFSIZE

Data collection buffer size

Description

Specifies the parameter that controls the size of the buffer, which is used to hold IFI records until they can be written out to the log dataset by the Near-Term History Data Collector. This value is specified in kilobytes.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

1024

Minimum

50

Maximum

9999

Location where the parameter value is storedIn the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

BUFSIZE(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261P8

Panel field

Buffer size

Default value

1024

Minimum

50

Maximum

9999

Batch parameter name

KD2_PF_HIS_BUFSIZE

PARMGEN name

KD2_PFnn_HIS_BUFSIZE

PARMGEN classification

NTH

KD2_PFnn_HIS_COLL_INTV

Collection interval

Description

Specifies the time interval for statistics data collection. This interval also applies to thread data collection if grouping is selected. The default interval is the same as the RMF interval if RMF is active, or 15 minutes if RMF is not active.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

15

Location where the parameter value is storedIn the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

INTERVAL(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

KD2_PF_EX_D2EXQMFI

Panel ID

KD261P8

Panel field

Collection interval

Default value

15

Batch parameter name

KD2_PF_HIS_COLL_INTV

PARMGEN name

KD2_PFnn_HIS_COLL_INTV

PARMGEN classification

NTH

KD2_PFnn_HIS_DB2_STAT

Collect statistics data

Description

This specifies whether to collect statistics information IFCIDs 1 and 2.

If Y is entered, statistics information is recorded once for each collection interval.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

Y

Permissible values

Y, N

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

STATISTICS(<value>Y)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261PB

Panel field

Statistics

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_PF_HIS_DB2_STAT

PARMGEN name

KD2_PFnn_HIS_DB2_STAT

PARMGEN classification

NTH

KD2_PFnn_HIS_DYN_DSNAME

This parameter lets you specify a base dataset name that is used to create the sequential datasets for storing Near-Term History trace data.

Description

Specify a base dataset name that is used to create the sequential datasets that store Near-Term History trace data. Use the following variables to construct the sequential dataset name. To ensure unique dataset names, you must use at least @DB2, @DATE and @TIME:

@DB2

Inserts the DB2 subsystem ID of the data being collected into the name of the dataset.

@DATE

Inserts the date of the first record in the dataset into the name of the dataset.

@TIME

Inserts the time of the first record in the dataset into the name of the dataset.

This field is applicable only if the storage type is VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and the storage mechanism is DYNAMIC.

Required or optional

Optional (Required if KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to D)

Default value

None

Location where the parameter value is stored

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

<value>

PARMGEN name

KD2_PFnn_HIS_DYN_DSNAME

PARMGEN classification

NTH

KD2_PFnn_HIS_DYN_MCLAS

Management class DYNAMIC

Description

If the historical sequential datasets are SMS-managed, then specify the SMS management class to be used on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

Required or optional

Optional

Default value

%RTE_SMS_VSAM_MGMTCLAS%

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

MGMTCLAS(<value>)

In the Configuration Tool (ICAT)

Panel name

Near-Term History

Panel ID

KD261PZ2

KD2_PF_HIS_DYN_PRIMARY

Panel field

Mgmtclas

Default value

&RTESVMGT

Batch parameter name

KD2_PF_HIS_DYN_MCLAS

PARMGEN name

KD2_PFn_HIS_DYN_MCLAS

PARMGEN classification

NTH

KD2_PFn_HIS_DYN_PRIMARY

Primary space for sequential datasets

Description

Specify the primary space allocation used for the sequential data sets created by the Near-Term History Data Collector. The default is 10 cylinders.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional

Optional (Required if KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to D)

Default value

10

Valid values

Any number in the range 3-9999

Location where the parameter value is stored

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

SPACE(CYL,<value>,<KD2_PFn_HIS_DYN_SECONDARY>)

PARMGEN name

KD2_PFn_HIS_DYN_PRIMARY

PARMGEN classification

NTH

KD2_PFn_HIS_DYN_SCLAS

Storage class DYNAMIC

Description

If the historical sequential datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

Required or optional

Optional

Default value

%RTE_SMS_VSAM_STORCLAS%

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

STORCLAS(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261PZ2

Panel field

Storclas

Default value

&RTEVSTOR

Batch parameter name

KD2_PF_HIS_DYN_SCLAS

PARMGEN name

KD2_PFnn_HIS_DYN_SCLAS

PARMGEN classification

NTH

KD2_PFnn_HIS_DYN_SECONDARY

Secondary space for sequential datasets

Description

Specify the secondary space allocation used for the sequential data sets created by the Near-Term History Data Collector. The default is 2 cylinders.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional

Optional (Required if KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to D)

Default value

2

Valid values

Any number in the range 0-9999

Location where the parameter value is stored

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

SPACE(CYL, <KD2_PFnn_HIS_DYN_PRIMARY>, <value>)

PARMGEN name

KD2_PFnn_HIS_DYN_SECONDARY

PARMGEN classification

NTH

KD2_PFnn_HIS_DYN_SQL

The KD2_PFnn_HIS_DYN_SQL parameter specifies whether to collect dynamic SQL data.

Valid values

This specifies whether dynamic SQL text and access path information is collected.

Y: the collector activates IFCIDs 22, 63, 105, and 107.

F: the collector activates IFCIDs 22, 350, 105, and 107. IFCID 350 records the complete text of a parsed SQL statement, while IFCID 63 is limited to the first 5000 bytes of a SQL statement.

Required or optional

Optional (Required if KD2_PF_HIS_START is set to Y.)

KD2_PF_HIS_DYN_UNIT

Default value

N

Valid values

Y, N, F

Locations where the parameter value is stored

Location 1

In the DB2PROF member of the %RTE_HILEV%.%RTE_NAME%.RKD2PRF library

Output line

DB2_DSNTIAD=<value>NTIA

Location 2

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

DYNAMICSQL(<value>Y)

PARMGEN name

KD2_PFn_HIS_DYN_SQL

PARMGEN classification

NTH

KD2_PFn_HIS_DYN_UNIT

Unit DYNAMIC

Description

Specify the unit name for the allocation of the historical sequential datasets. If the historical sequential datasets are not SMS-managed then this is a required entry. If your installation does not use the unit name, you can leave this field blank.

Required or optional

Optional

Default value

%RTE_SMS_UNIT%

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

UNIT(<value>)

In the Configuration Tool (ICAT)

Panel name

Near-Term History

Panel ID

KD261PZ2

Panel field

Unit

Default value

&RTEU

Batch parameter name

KD2_PF_HIS_DYN_UNIT

PARMGEN name

KD2_PFn_HIS_DYN_UNIT

PARMGEN classification

NTH

KD2_PFnn_HIS_DYN_VOLUME

Volser DYNAMIC

Description

Specify the volume serial numbers for the allocation of the historical sequential datasets. If the historical sequential datasets are not to be SMS-managed, then this is a required entry. If your installation does not use the volume serial number, you can leave this field blank.

Required or optional

Optional

Default value

%RTE_SMS_VSAM_VOLUME%

Location where the parameter value is storedIn the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

VOLSER(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261PZ2

Panel field

Volser

Default value

&RTEVV

Batch parameter name

KD2_PF_HIS_DYN_VOL

PARMGEN name

KD2_PFnn_HIS_DYN_VOLUME

PARMGEN classification

NTH

KD2_PFnn_HIS_GDG_DSNAME

Dataset name GDG

Description

Specify the name for the base dataset of the Generation Data Group GDG. For the GDG type, the dataset name can have a maximum of 35 characters. And the storage mechanism is GDG.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to G)

Default value

None

Locations where the parameter value is stored**Location 1**In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library**Output line**

(NAME ('<value>') -

Location 2In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

KD2_PF_HIS_GDG_LIM

Output line

ENTRIES(' <value> ') -

In the Configuration Tool (ICAT)

Panel name

Near-Term History

Panel ID

KD261PZ3

Panel field

Dataset name

Default value

None

Batch parameter name

KD2_PF_HIS_GDG_DSNAME

PARMGEN name

KD2_PFn_HIS_GDG_DSNAME

PARMGEN classification

NTH

KD2_PFn_HIS_GDG_LIM

The KD2_PFn_HIS_GDG_LIM parameter specifies the number of GDG generations to be used for this GDG.

Valid values

Any number in the range 1-255.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and the storage mechanism is GDG.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to G)

Default value

7

Locations where the parameter value is stored

Location 1

In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

LIMIT(<value>))

Location 2

In the HCRVssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

LIMIT(<value>))

PARMGEN name

KD2_PFn_HIS_GDG_LIM

PARMGEN classification

NTH

KD2_PFnn_HIS_GDG_MCLAS

Management class GDG

Description

If the historical sequential datasets are SMS-managed, then specify the SMS management class to be used on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

Required or optional

Optional

Default value

%RTE_SMS_VSAM_MGMTCLAS%

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

MGMTCLAS(<value>)

In the Configuration Tool (ICAT)

Panel name

Near-Term History

Panel ID

KD261PZ3

Panel field

Mgmtclas

Default value

&RTESVMGT

Batch parameter name

KD2_PF_HIS_GDG_MCLAS

PARMGEN name

KD2_PFnn_HIS_GDG_MCLAS

PARMGEN classification

NTH

KD2_PFnn_HIS_GDG_PRIMARY

The KD2_PFnn_HIS_GDG_PRIMARY parameter specifies the primary space allocation used for the GDG.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to G)

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Default value

10

Valid values

Any number in the range 3-9999

Location where the parameter value is stored

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

SPACE(CYL, <value>, <KD2_PFnn_HIS_GDG_SECONDARY>)

PARMGEN name

KD2_PFnn_HIS_GDG_PRIMARY

PARMGEN classification

NTH

KD2_PFnn_HIS_GDG_SCLAS

Storage class GDG

Description

If the historical sequential datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

Required or optional

Optional

Default value

%RTE_SMS_VSAM_STORCLAS%

Location where the parameter value is storedIn the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

STORCLAS(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261PZ3

Panel field

Storclas

Default value

&RTEVSTOR

Batch parameter name

KD2_PF_HIS_GDG_SCLAS

PARMGEN name

KD2_PFnn_HIS_GDG_SCLAS

PARMGEN classification

NTH

KD2_PFnn_HIS_GDG_SECONDARY

The KD2_PFnn_HIS_GDG_SECONDARY parameter specifies the secondary space allocation used for the GDG.

Default value

2 cylinders

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to G)

Valid values

Any number in the range 0-9999

Location where the parameter value is stored

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

SPACE(CYL,<KD2_PFn_HIS_GDG_PRIMARY>,<value>)

PARMGEN name

KD2_PFn_HIS_GDG_SECONDARY

PARMGEN classification

NTH

KD2_PFn_HIS_GDG_UNIT

Unit GDG

Description

Specify the unit name for the allocation of the historical sequential datasets. If the historical sequential datasets are not SMS-managed then this is a required entry. If your installation does not use the unit name, you can leave this field blank.

Required or optional

Optional

Default value

%RTE_SMS_UNIT%

Locations where the parameter value is stored**Location 1**In the ALLOCDS member of the *rhilev.midlev.rtename.RKD2SAM* library**Output line**

UNIT(<value>)

Location 2In the COPTssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

UNIT(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261PZ3

Panel field

Unit

Default value

&RTEU

Batch parameter name

KD2_PFn_HIS_GDG_UNIT

PARMGEN name

KD2_PFn_HIS_GDG_UNIT

PARMGEN classification

NTH

KD2_PFn_HIS_GDG_VOLUME

Volser GDG

Description

Specify the volume serial numbers for the allocation of the historical sequential datasets. If the historical sequential datasets are not to be SMS-managed, then this is a required entry. If your installation does not use the volume serial number, you can leave this field blank.

KD2_PF_HIS_GDG_VOLUME

Required or optional

Optional

Default value

%RTE_SMS_VSAM_VOLUME%

Location where the parameter value is stored

In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

VOLUME(<value>)

In the Configuration Tool (ICAT)

Panel name

Near-Term History

Panel ID

KD261PZ3

Panel field

Volser

Default value

&RTEVV

Batch parameter name

KD2_PF_HIS_GDG_VOL

PARMGEN name

KD2_PFn_HIS_GDG_VOLUME

PARMGEN classification

NTH

KD2_PFn_HIS_IFIREAD

IFI trace read frequency

Description

Specifies the IFI trace record read time in "mmssth" format where "mmssth" is minutes, seconds, tenths and hundredths of seconds. This parameter controls the frequency with which the Near-Term History Data Collector reads the new IFI trace records into the collection buffer.

You can increase the frequency by decreasing the interval, however, CPU utilization will increase. The default is 010000 which is 1 minute.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

010000

Minimum

000100

Maximum

010000

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

IFIREADTIME(<value>)

In the Configuration Tool (ICAT)

Panel name

Near-Term History

Panel ID

KD261P8

Panel field

IFI read frequency

Default value

010000

Minimum

000100

Maximum

010000

Batch parameter name

KD2_PF_HIS_IFIREAD

PARMGEN name

KD2_PFnn_HIS_IFIREAD

PARMGEN classification

NTH

KD2_PFnn_HIS_LOCK_CNTN

The KD2_PFnn_HIS_LOCK_CNTN parameter specifies whether lock timeout and deadlock information is collected.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

N

Valid values

Y: Collector activates IFCIDs 172, 196, 105, and 107

N

Location where the parameter value is stored

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

LOCKCONT(<value>Y)

PARMGEN name

KD2_PFnn_HIS_LOCK_CNTN

PARMGEN classification

NTH

KD2_PFnn_HIS_LOCK_SUSP

The KD2_PFnn_HIS_LOCK_SUSP parameter specifies whether to collect lock wait information for local resources.

Description

If Y is entered, the collector activates IFCIDs 44,45,213,214,105,107.

Required or optional

Optional (Required if KD2_PF_HIS_START is set to Y)

Default value

N

Valid values

Y, N

KD2_PF_HIS_LOCK_SUSP

Location where the parameter value is stored

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

LOCKSUSP(<value>Y)

PARMGEN name

KD2_PFn_HIS_LOCK_SUSP

PARMGEN classification

NTH

KD2_PFn_HIS_NEQSQL

Negative SQL option

Description

Specifies whether or not the number of SQL calls executed by a thread which resulted in a negative return code is collected. If Y is entered, the collector activates IFCIDs 58,59,60,61,62,64,65 and 66 to the DB2 START TRACE PERFORMANCE command.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

NEGSQL(<value>Y)

In the Configuration Tool (ICAT)

Panel name

Near-Term History

Panel ID

KD261PB

Panel field

Negative SQL

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_PF_HIS_NEQSQL

PARMGEN name

KD2_PFn_HIS_NEQSQL

PARMGEN classification

NTH

KD2_PFn_HIS_POSTPCT

Threshold for historical collection

Description

Specifies the option to tune the Near-Term History Data Collector if you often see the DSNW133I messages issued by DB2. This value is used to compute a "high water mark" or threshold for historical

collection. This threshold is a percentage of the total number of bytes in the IFI buffer. When this threshold is exceeded, DB2 will post the Near-Term History Data Collector to drain the buffer. The Near-Term History Data Collector will allow any percentage value from 1-99. Start from the default value of 70 and test small increments up or down.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

70

Minimum

1

Maximum

99

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

POSTPCT(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261P8

Panel field

Threshold

Default value

70

Minimum

1

Maximum

99

Batch parameter name

KD2_PF_HIS_POSTPCT

PARMGEN name

KD2_PFnn_HIS_POSTPCT

PARMGEN classification

NTH

KD2_PFnn_HIS_SCAN_SUMM

The KD2_PFnn_HIS_SCAN_SUMM parameter specifies whether to collect scan summary data.

Description

If Y is entered, the collector activates IFCIDs 15,16,17,18.

Required or optional

Optional (Required if KD2_PF_HIS_START is set to Y)

Default value

N

Valid values

Y, N

Location where the parameter value is stored

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

KD2_PF_HIS_SEQ_ARC_DS

Output line

SCAN(<value>Y)

PARMGEN name

KD2_PFn_HIS_SCAN_SUMM

PARMGEN classification

NTH

KD2_PFn_HIS_SEQ_ARC_DS

The KD2_PFn_HIS_SEQ_ARC_DS parameter specifies the name of the archive data set.

Description

If you selected GDG, specify the following parameters:

Specify the name for the base data set of the Generation Data Group GDG. For the GDG type, the data set name can have a maximum of 35 characters.

If you selected DYN, specify the following parameters:

Use the following variables to construct the sequential data set name. To ensure unique data set names, you must use at least @DB2, @DATE and @TIME:

@DB2

Inserts the DB2 subsystem ID of the data being collected into the name of the data set.

@DATE

Inserts the date of the first record in the data set into the name of the data set.

@TIME

Inserts the time of the first record in the data set into the name of the data set.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to S)

Default value

None

Locations where the parameter value is stored

Location 1

In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

(NAME ('<value>') -

Location 2

In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

ENTRIES('<value>') -

PARMGEN name

KD2_PFn_HIS_SEQ_ARC_DS

PARMGEN classification

NTH

KD2_PFn_HIS_SEQ_ARC_GDGLIM

GDG Limit for the archive dataset

Description

Specify the number of GDG generations to be used for this GDG. You can specify 1 to 255.

This field is only applicable if you specified GDG as the storage mechanism to be used for archiving.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to S and KD2_PF_HIS_SEQ_ARC_TYP is set to GDG)

Default value

7

Minimum

1

Maximum

255

Location where the parameter value is stored

In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

LIMIT(<value>)

In the Configuration Tool (ICAT)

Panel name

Near-Term History

Panel ID

KD261PZA

Panel field

Limit for GDG data sets

Default value

7

Minimum

1

Maximum

255

Batch parameter name

KD2_PF_HIS_SEQ_ARC_GDGLIM

PARMGEN name

KD2_PFnn_HIS_SEQ_ARC_GDGLIM

PARMGEN classification

NTH

KD2_PFnn_HIS_SEQ_ARC_MCLAS

The KD2_PFnn_HIS_SEQ_ARC_MCLAS parameter specifies the management class for archive data sets.

Description

If the data set is SMS-managed, specify the SMS management class to use on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional

Optional

Default value

%RTE_SMS_MGMTCLAS%

Locations where the parameter value is stored

Location 1

In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

KD2_PF_HIS_SEQ_ARC_SCLAS

Output line

MGMTCLAS(<value>)

Location 2

In the HCRVssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

MGMTCLAS(<value>)

PARMGEN name

KD2_PFn_HIS_SEQ_ARC_MCLAS

PARMGEN classification

NTH

KD2_PFn_HIS_SEQ_ARC_SCLAS

Storage class for the archive datasets

Description

If the dataset is SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional

Optional

Default value

%RTE_SMS_STORCLAS%

Locations where the parameter value is stored

Location 1

In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

STORCLAS(<value>)

Location 2

In the HCRVssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

STORCLAS(<value>)

PARMGEN name

KD2_PFn_HIS_SEQ_ARC_SCLAS

PARMGEN classification

NTH

KD2_PFn_HIS_SEQ_ARC_TYP

The KD2_PFn_HIS_SEQ_ARC_TYP parameter specifies the storage mechanism for archive data sets.

Description

You configured the Near-Term History Data Collector to store the trace data to VSAM data sets and sequential data sets VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and you specified the storage mechanism.

On this panel you can specify the information used to create the archive data sets that are generated by the Near-Term History Data Collector. There are two choices:

GDG

Generation Data Group

DYN

the Near-Term History Data Collector always allocates a new data set when the currently used data set is full.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to S)

Default value

GDG

Permissible values

GDG, DYN

Location where the parameter value is stored

This value is not stored in a configuration member.

PARMGEN name

KD2_PFnn_HIS_SEQ_ARC_TYP

PARMGEN classification

NTH

KD2_PFnn_HIS_SEQ_ARC_UNIT

The KD2_PFnn_HIS_SEQ_ARC_UNIT parameter specifies the unit for the archive data sets.

Description

Specify the unit name for the allocation of the data set. If the data set is not SMS-managed, this parameter is required. If your installation does not use unit name, leave this field blank.

Required or optional

Optional

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Default value

%RTE_SMS_UNIT%

Locations where the parameter value is stored**Location 1**

In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

UNIT(<value>)

Location 2

In the HCRVssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

UNIT(<value>)

PARMGEN name

KD2_PFnn_HIS_SEQ_ARC_UNIT

PARMGEN classification

NTH

KD2_PFnn_HIS_SEQ_ARC_VOLUME

The KD2_PFnn_HIS_SEQ_ARC_VOLUME parameter specifies the volume serial (volser) range for the archive data sets.

Description

If the data set is not to be SMS-managed, this is required. If your installation does not use volume serial number, leave this field blank.

Required or optional

Optional

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Default value

%RTE_SMS_VOLUME%

Locations where the parameter value is stored**Location 1**

In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

VOLUME(<value>)

Location 2

In the HCRVssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

VOLUME(<value>)

PARMGEN name

KD2_PFnn_HIS_SEQ_ARC_VOLUME

PARMGEN classification

NTH

KD2_PFnn_HIS_SEQ_PRIMARY_CYL

Primary space for sequential datasets

Description

Specify the primary space allocation used for the sequential datasets. The default is 10 cylinders.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to S)

Default value

10

Minimum

3

Maximum

9999

Locations where the parameter value is stored**Location 1**

In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

DSORG(PS) SPACE(<value> <KD2_PFnn_HIS_SEQ_SECONDARY_CYL>) CYLINDERS

Location 2

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

SPACE(CYL, <value>, <KD2_PFnn_HIS_SEQ_SECONDARY_CYL>)

PARMGEN name

KD2_PFnn_HIS_SEQ_PRIMARY_CYL

PARMGEN classification

NTH

KD2_PFnn_HIS_SEQ_SECONDARY_CYL

Secondary space for sequential datasets

Description

Specify the secondary space allocation used for the sequential datasets. The default is 2 cylinders.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to S)

Default value

2

Minimum

0

Maximum

9999

Locations where the parameter value is stored**Location 1**

In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

DSORG(PS) SPACE(<KD2_PFnn_HIS_SEQ_PRIMARY_CYL> <value>) CYLINDERS

Location 2

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

SPACE(CYL, <KD2_PFnn_HIS_SEQ_PRIMARY_CYL>, <value>)

PARMGEN name

KD2_PFnn_HIS_SEQ_SECONDARY_CYL

PARMGEN classification

NTH

KD2_PFnn_HIS_SEQ_TYP

Storage mechanism

Description

If you specified VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM you can choose one of the following 3 alternatives to store trace data in sequential files:

Static sequential S

You may specify 2 to 7 sequential datasets for trace data collection. When the first dataset is full the Near-Term History Data Collector switches to the next available dataset. When the last available dataset in the sequence is full, the Near-Term History Data Collector switches to the first dataset in the sequence again and overwrites the data in the first dataset. Each time the

KD2_PF_HIS_SEQ_TYP

Near-Term History Data Collector switches to a full sequential dataset to overwrite it, you can archive its content to additional sequential datasets.

Dynamic sequential D

The Near-Term History Data Collector always allocates a new dataset when the currently used dataset becomes full. As a result, the collected data is not overwritten.

GDG G

In this case a Generation Data Group GDG is used. The mechanism is similar to the one described for the storage type Static sequential. When all datasets are full the Near-Term History Data Collector overwrites the trace data in the first dataset. However, in a GDG, the z/OS, not the Near-Term History Data Collector, switches between the different datasets generations. For this alternative archiving is not supported.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_STORE is set to VSAMSEQ,VSAMSEQTHVSAM,SEQTHVSAM)

Default value

S

Permissible values

S, D, G

Location where the parameter value is stored

This value is not stored in a configuration member.

PARMGEN name

KD2_PFnn_HIS_SEQ_TYP

PARMGEN classification

NTH

KD2_PFnn_HIS_SORT_SUMM

Collect sort summary data

Description

This specifies whether sort data is collected.

If Y is entered, the collector activates IFCIDs 95 and 96.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

SORT(<value>Y)

PARMGEN name

KD2_PFnn_HIS_SORT_SUMM

PARMGEN classification

NTH

KD2_PFn_HIS_START

Start Near-Term History

Description

Controls whether Near-Term History is to be configured and automatically started at Server startup.

Y

Configure and autostart Near-Term History.

C

Configure, but do not autostart Near-Term History. All required configuration members are generated and datasets are allocated. Near-Term History can be started via operator commands later. See Configuration and Customization Guide.

N

Near-Term History is not configured and as result cannot be started via operator command.

Required or optional

Required

Default value

N

Permissible values

Y, N, C

Location where the parameter value is stored

This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name

Near-Term History

Panel ID

KD261PX

Panel field

Start Near-Term History

Default value

N

Permissible values

Y, N, C

Batch parameter name

KD2_PFn_HIS_START

PARMGEN name

KD2_PFn_HIS_START

PARMGEN classification

NTH

KD2_PFn_HIS_STORE

Storage type

Description

The data collected by Near-Term History is stored in VSAM datasets. If you want to make the data available for long-term history analysis with the Batch Reporter component, it has to be stored in sequential files in addition to VSAM datasets. If you want to collect Thread history data for Enhanced 3270UI, THVSAM should be specified. Specify one of the following values for storage type:

VSAM

Store the data to VSAM datasets for OMEGAMON DB2 Classic near-term-history (NTH) support.

KD2_PF_HIS_SEQ_TYP

VSAMSEQ

Store the data to VSAM datasets and sequential files for OMEGAMON DB2 Classic NTH support.

THVSAM

Store the data to VSAM datasets for Enhanced 3270UI Thread history support.

VSAMSEQTHVSAM

Store the data to VSAM datasets, sequential files for OMEGAMON DB2 Classic NTH support and VSAM datasets for Enhanced 3270UI Thread history support.

SEQTHVSAM

Store the data to sequential files for OMEGAMON DB2 Classic NTH support and VSAM datasets for Enhanced 3270UI Thread history support.

VSAMTHVSAM

Store the data to VSAM datasets for OMEGAMON DB2 Classic NTH support and VSAM datasets for Enhanced 3270UI Thread history support.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

VSAM

Permissible values

VSAM, VSAMSEQ, THVSAM, VSAMSEQTHVSAM, SEQTHVSAM, VSAMTHVSAM

Location where the parameter value is stored

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

WRITEOPTION(<value>)

PARMGEN name

KD2_PFn_HIS_STORE

PARMGEN classification

NTH

KD2_PFn_HIS_SUBINT

Collection sub-interval

Description

Specifies the number of minutes or seconds to be used as the smallest time grouping for display of historical thread accounting data. The sub-interval should be specified as a period of time for convenient display of the threads executed. The more threads are executed per minute the smaller the sub-interval that you may want to specify.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

5

Minimum

1

Maximum

60

Locations where the parameter value is stored

Location 1

In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

NTAINTERVAL(<value>.S)

Location 2

In the COPTssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

NTAINTERVAL(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261P8

Panel field

Collection sub-interval

Default value

5

Minimum

1

Maximum

60

Batch parameter name

KD2_PF_HIS_SUBINT

PARMGEN name

KD2_PFnn_HIS_SUBINT

PARMGEN classification

NTH

KD2_PFnn_HIS_SUBINT_UNIT

Collection sub-interval time unit

Description

Specifies the collection sub-interval time unit to be used to display the historical thread accounting data. Specify M for minutes or S for seconds.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

M

Permissible values

M, S

Location where the parameter value is stored

This value is not stored in a configuration member.

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261P8

Panel field

Collection sub-interval unit

Default value

M

Permissible values

M, S

KD2_PF_HIS_SEQ_TYP

Batch parameter name

KD2_PF_HIS_SUBINT_UNIT

PARMGEN name

KD2_PFn_HIS_SUBINT_UNIT

PARMGEN classification

NTH

KD2_PFn_HIS_SUSPCOLL

Suspend data collection

Description

Specifies the option that controls memory usage by the Near-Term History Data Collector during times when no VSAM dataset is available. A VSAM file is considered unavailable from the time all allocated file space is used until the end of a successful flush job execution. The 'Y' option causes the collector to discard the collected trace data until a VSAM file becomes available for use. The 'N' option causes the Near-Term History Data Collector to accumulate trace data to memory until a VSAM file becomes available for use.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

Y

Permissible values

Y, N

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SUSPCOLL(<value>Y)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261P8

Panel field

Suspend data collection

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_PF_HIS_SUSPCOLL

PARMGEN name

KD2_PFn_HIS_SUSPCOLL

PARMGEN classification

NTH

KD2_PFnn_HIS_VSAM_MB

Primary space for the VSAM log data sets.

Description

Specify the primary space allocation used for the VSAM log data sets. Please refer to the Configuration and Customization Guide for information about VSAM data set space requirements.

This parameter depends on the unit for the primary log space set in KD2_PFnn_HIS_VSAM_SU.

CYLS

Specify the primary space for the VSAM log data sets in cylinders. The minimum is 3 and the maximum is 9999 cylinders.

Note: Depending on the disk device type, the maximum number of cylinders might need to be lower than 9999 to avoid exceeding the 2048 megabyte limit. For example, on a 3390 device, the limit of 2048 megabytes is reached with about 2600 cylinders.

MB

Specify the primary space for the VSAM log data sets in megabytes. The minimum is 1 and the maximum is 2048 megabytes.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

900

Minimum

1

Maximum

9999

Locations where the parameter value is stored

Location 1

In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library.

Note: Also used in the standalone version of the thread history allocation jobs (TCRV&dbid thread history to allocate the %KD2_OMPE_VSAM_DSHLQ%.%DB%.RKTH* VSAMs for thread history).

Output line

CYLINDERS(<value> 0) -

Location 2

In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

MEGABYTES(<value> 0) -

Location 3

In the HCRVssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

<KD2_PFnn_HIS_VSAM_SU>(<value> 0) -

PARMGEN name

KD2_PFnn_HIS_VSAM_MB

PARMGEN classification

NTH

KD2_PFNn_HIS_VSAM_MCLAS1

Customize the SMS management class for E3270 Thread History data sets.

Description

If the VSAM datasets are SMS-managed, then specify the SMS Management class to be used on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

Required or optional

Optional

Default value

%RTE_SMS_VSAM_MGMTCLAS%

Locations where the parameter value is stored**Location 1**

In the ALLOCDS member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

MGMTCLAS(<value>)

Location 2

In the HCRVssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

MGMTCLAS(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261P7

Panel field

Mgmtclas

Default value

&RTESVMGT

Batch parameter name

KD2_PFN_HIS_VSAM_MCLAS1

PARMGEN name

KD2_PFNn_HIS_VSAM_MCLAS1

PARMGEN classification

NTH

KD2_PFNn_HIS_VSAM_SCLAS1

Customize the SMS storage class for E3270 Thread History data sets.

Description

If the VSAM datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

Required or optional

Optional

Default value

%RTE_SMS_VSAM_STORCLAS%

Locations where the parameter value is stored**Location 1**

In the ALLOCDS member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

STORCLAS(<value>)

Location 2

In the HCRVssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

STORCLAS(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261P7

Panel field

Storclas

Default value

&RTEVSTOR

Batch parameter name

KD2_PF_HIS_VSAM_SCLAS1

PARMGEN name

KD2_PFn_HIS_VSAM_SCLAS1

PARMGEN classification

NTH

KD2_PFn_HIS_VSAM_SU

Space units used for VSAM log datasets

Description

Specify the space units used for the VSAM log datasets allocation. The allowable values are MB - megabytes and CYLS - cylinders.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

MB

Permissible values

MB, CYLS

Locations where the parameter value is stored**Location 1**

In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

CYLINDERS(<value> 0) -

Location 2

In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

MEGABYTES(<value> 0) -

Location 3

In the HCRVssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

KD2_PF_HIS_SEQ_TYP

Output line

<value>(<KD2_PFnn_HIS_VSAM_MB> 0) -

PARMGEN name

KD2_PFnn_HIS_VSAM_SU

PARMGEN classification

NTH

KD2_PFnn_HIS_VSAM_VOLUME1

Customize the SMS <volser> class for E3270 Thread History Data sets.

Description

Specify the volume serial numbers for the allocation of the VSAM datasets. If VSAM datasets are not to be SMS-managed, then this is a required entry. If your installation does not use the volume serial number, you can leave this field blank.

Required or optional

Optional

Default value

%RTE_SMS_VSAM_VOLUME%

Locations where the parameter value is stored

Location 1

In the ALLOCDS member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

VOLUME(<value>)

Location 2

In the HCRVssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

VOLUME(<value>)

In the Configuration Tool (ICAT)

Panel name

Near-Term History

Panel ID

KD261P7

Panel field

Volser

Default value

&RTEVV

Batch parameter name

KD2_PF_HIS_VSAM_VOL1

PARMGEN name

KD2_PFnn_HIS_VSAM_VOLUME1

PARMGEN classification

NTH

KD2_PFnn_HIS_WHEN_AUTHID

Selection criteria AUTHID

Description

Specifies selection criteria based on AUTHID. For example, if AUTH1 and AUTH2 were specified for AUTHID, only data for threads with the specified authorization identifiers would be collected.

To specify selection criteria, you can use the wildcard character *, which is for one or more characters, the suffix only, and the ?, which is for a single character.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

None

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

AUTH(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261P8

Panel field

AUTHID

Default value

None

Batch parameter name

KD2_PF_HIS_WHEN_AUTHID

PARMGEN name

KD2_PFn_HIS_WHEN_AUTHID

PARMGEN classification

NTH

KD2_PFn_HIS_WHEN_CONNID

Selection criteria CONNID

Description

Specifies selection criteria based on CONNID. For example, if CON01 and CON02 were specified for CONNID, only data for threads that use the specified connections would be collected.

To specify selection criteria, you can use the wildcard character *, which is for one or more characters, the suffix only, and the ?, which is for a single character.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

None

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

CONN(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261P8

Panel field

CONNID

KD2_PF_HIS_SEQ_TYP

Default value

None

Batch parameter name

KD2_PF_HIS_WHEN_CONNID

PARMGEN name

KD2_PFnn_HIS_WHEN_CONNID

PARMGEN classification

NTH

KD2_PFnn_HIS_WHEN_CORRID

Selection criteria CORRID

Description

Specifies selection criteria based on CORRID. For example, if STC01 and STC02 were specified for CORRID, only data for threads with the specified correlation identifiers would be collected. To specify selection criteria, you can use the wildcard character *, which is for one or more characters, the suffix only, and the ?, which is for a single character.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

None

Location where the parameter value is stored

In the COPTssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

CORR(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261P8

Panel field

CORRID

Default value

None

Batch parameter name

KD2_PF_HIS_WHEN_CORRID

PARMGEN name

KD2_PFnn_HIS_WHEN_CORRID

PARMGEN classification

NTH

KD2_PFnn_HIS_WHEN_ORIG

Selection criteria ORIGAUTHID

Description

Specifies selection criteria based on ORIGAUTHID. To specify selection criteria, you can use the wildcard character *, which is for one or more characters, the suffix only, and the ?, which is for a single character.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

None

Location where the parameter value is storedIn the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

ORIGAUTH(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261P8

Panel field

ORIGAUTHID

Default value

None

Batch parameter name

KD2_PF_HIS_WHEN_ORIG

PARMGEN name

KD2_PFnn_HIS_WHEN_ORIG

PARMGEN classification

NTH

KD2_PFnn_HIS_WHEN_PLAN

Selection criteria PLANNAME

Description

Specifies selection criteria based on PLANNAME. For example, if CICSPR01 and CICSPR02 were specified for PLANNAME, only data for threads with the specified plannames would be collected.

To specify selection criteria, you can use the wildcard character *, which is for one or more characters, the suffix only, and the ?, which is for a single character.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

None

Location where the parameter value is storedIn the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

PLAN(<value>)

In the Configuration Tool (ICAT)**Panel name**

Near-Term History

Panel ID

KD261P8

Panel field

PLANNAME

Default value

None

Batch parameter name

KD2_PF_HIS_WHEN_PLAN

PARMGEN name

KD2_PFn_HIS_WHEN_PLAN

PARMGEN classification

NTH

KD2_PFn_OA - Object analysis

The KD2_PFn_OA parameters control the object analysis behavior in your environment.

Object analysis provides information about DB2 object allocations, object activities, volume activities, and data set extend activities. You can start object analysis in one of the following ways:

- Manually, using the START OBJECT ANALYSIS COLLECTORS panel. If there are significant levels of I/O activity on monitored DASD volumes in your environment, you can start this function manually to measure specific workloads or help manage isolated performance situations.
- Automatically, when the OMEGAMON for Db2 Performance Expert server is activated. It is recommended that you do not automatically start object analysis in the AUTOSTART configuration.

By default, the Object Analysis function is shipped with a security level of 3, and requires that you enter a level 3 password to successfully complete the startup. If you want to use external security, you must have the appropriate resource class definition attached to your OMEGAMON for Db2 Performance Expert logon identifier. To start Object Analysis, you must first start OMEGAMON for Db2 Performance Expert Event Collection Manager (EVENTMGR).

OMEGAMON for Db2 Performance Expert provides object analysis data only for active DB2 objects.

Object analysis can only be performed on a single DB2 subsystem, no matter whether the subsystem is a member of a data sharing group or not.

KD2_PFn_OA_ECM

Start Event collection manager

Description

The Event collection manager ECM provides an environment that is required for Object/Volume Analysis Collectors. The ECM does not cause much overhead. If you start the ECM at OMEGAMON Collector startup, then you can start Object/Volume Analysis from the Classic Interface later.

Required or optional

Required

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

This value is not stored in a configuration member.

In the Configuration Tool (ICAT)**Panel name**

Object and Volume Analysis

Panel ID

KD261PM

Panel field

Start the Event Collection Manager

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_PF_OA_ECM

PARMGEN name

KD2_PFnn_OA_ECM

PARMGEN classification

OBJ_ANAL

KD2_PFnn_OA_INTV

Object analysis collection info

Description

This specifies the time interval in minutes for the object analysis and the volume analysis collectors. The interval may be from 1 to 1440 minutes.

Required or optional

Optional (Required in case KD2_PF_OA_START is set to Y)

Default value

15

Minimum

1

Maximum

1440

Location where the parameter value is storedIn the OMOAssid member of the *rhilev.midlev.rtename.RKD2PRF* library**Output line**

F EVENTMGR,START DB2=%DB%,INTERVAL=<value>,THREAD=&THREAD

In the Configuration Tool (ICAT)**Panel name**

Object and Volume Analysis

Panel ID

KD261PM

Panel field

Object analysis collection interval

Default value

15

Minimum

1

Maximum

1440

Batch parameter name

KD2_PF_OA_INTV

PARMGEN name

KD2_PFnn_OA_INTV

PARMGEN classification

OBJ_ANAL

KD2_PFnn_OA_START

Start Object Analysis

Description

Specify Y if you want to start Object/Volume Analysis for DB2 subsystems associated with this profile at startup of the OMEGAMON Collector.

Note that Object/Volume Analysis causes considerable overhead. Object/Volume Analysis can be started as needed via operator commands later. See Configuration and Customization Guide for details.

Required or optional

Optional (Required in case KD2_PF_OA_ECM is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMOAssid member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

STARTOA=<value>

In the Configuration Tool (ICAT)**Panel name**

Object and Volume Analysis

Panel ID

KD261PM

Panel field

Start Object/Volume Analysis

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_PF_OA_START

PARMGEN name

KD2_PFnn_OA_START

PARMGEN classification

OBJ_ANAL

KD2_PFnn_OA_THREAD

DB2 objects thread info

Description

This indicates whether thread information will be collected during object analysis.

Required or optional

Optional (Required in case KD2_PF_OA_START is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMOAssid member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

```
F EVENTMGR,START DB2=%DB%,INTERVAL=&02EINT,THREAD=<value>
```

In the Configuration Tool (ICAT)**Panel name**

Object and Volume Analysis

Panel ID

KD261PM

Panel field

Thread information on DB2 objects

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_PF_OA_THRD

PARMGEN name

KD2_PFn_OA_THREAD

PARMGEN classification

OBJ_ANAL

KD2_PFn_OA_WAIT

Wait interval

Description

The Event Collection Manager must be active before Object/Volume Analysis can be started for a DB2 subsystem. The wait interval specifies the number of seconds that have to pass after ECM startup before the startup commands for Object/Volume Analysis are issued.

ECM is started implicitly when you configure Object Analysis to be auto-started at Common collector startup. If you specified a wait interval greater than 0 in several monitoring profiles that are used the maximum wait interval specified is used.

Required or optional

Optional (Required in case KD2_PF_OA_ECM is set to Y)

Default value

5

Minimum

0

Maximum

99

Location where the parameter value is stored

In the OMOAssid member of the *rhilev.midlev.rtename.RKD2PRF* library

Output line

```
WAIT=<value>
```

In the Configuration Tool (ICAT)**Panel name**

Object and Volume Analysis

Panel ID

KD261PM

KD2_PF_READA_OPBUFSIZE

Panel field

Wait interval

Default value

5

Minimum

0

Maximum

99

Batch parameter name

KD2_PF_OA_WAIT

PARMGEN name

KD2_PFn_OA_WAIT

PARMGEN classification

OBJ_ANAL

KD2_PFn_READA - Monitoring

The KD2_PFn_READA parameters control the monitoring behavior in your environment.

These parameter enable monitoring features including Db2 message monitoring and stored procedure monitoring.

KD2_PFn_READA_OPBUFSIZE

The size of the OP buffer

Description

The size of the OP buffer used by the READA collector task to collect DB2 IFCIDs for all monitoring functions. The default value is 16 MB. The value is customizable between 16 and 64 MB.

Required or optional

Required

Default value

16

Minimum

16

Maximum

64

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

RACOPSIZE=<value>

In the Configuration Tool (ICAT)**Panel name**

Additional Settings

Panel ID

KD2PPFAC

Panel field

OP Buffer Size

Default value

16

Minimum

16

Maximum

64

Batch parameter name

KD2_PF_READA_OPBUFSIZE

PARMGEN name

KD2_PFnn_READA_OPBUFSIZE

PARMGEN classification

READA

KD2_PFnn_READA_OPBUFTHR

The threshold for the OP buffer POST evt

Description

The threshold used to fire a POST event to the READA collector task. The threshold specifies the percentage of the OP buffer size that can be buffered before the monitor program ECB is posted. The ECB is posted when the amount of trace data collected has reached the value that is specified in the byte count field.

Required or optional

Required

Default value

6

Minimum

5

Maximum

75

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

RACOPTHRSHLD=<value>

In the Configuration Tool (ICAT)**Panel name**

Additional Settings

Panel ID

KD2PPFAC

Panel field

OP Buffer POST Threshold

Default value

5

Minimum

5

Maximum

75

Batch parameter name

KD2_PF_READA_OPBUFTHR

PARMGEN name

KD2_PFnn_READA_OPBUFTHR

PARMGEN classification

READA

KD2_PFn_SH - Snapshot history

The KD2_PFn_SH parameters control the snapshot history behavior in your environment.

Snapshot history data is useful, for example, if you want to examine activities leading to, and following, an exception without recreating the situation. The data is periodically stored by the OMEGAMON Collector in a wrap-around-managed snapshot history data set.

You can define how often the snapshots are stored by setting the sample interval time. The amount of stored snapshots depends on the snapshot data volume and the specified snapshot history data set size. When the defined maximum number of snapshots is exceeded, the oldest snapshot is deleted and the newest snapshot is added.

You can view this information through the history mode in the Performance Expert Client. This mode allows you to display recently stored snapshots at a specified point-in-time. You can then scroll forward and backward through the history of snapshot data to get a better understanding of what happened and to identify what caused the problem (for example, detected situations, bottlenecks, deadlocks, timeouts).

KD2_PFn_SH_D2SHDATA

Data set statistics data

Description

Specifies whether data set statistics data is collected.

Required or optional

Optional (Required in case KD2_PFn_SH_D2SHKHST is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SHDATASETSTATISTICS=(*<value>*, <KD2_PFn_SH_D2SHDATI>)

In the Configuration Tool (ICAT)

Panel name

Snapshot History

Panel ID

KD261PE

Panel field

Data Set Statistics

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_PFn_SH_D2SHDATA

PARMGEN name

KD2_PFn_SH_D2SHDATA

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SHDATI

Data set statistics interval

Description

Specifies in seconds how often the OMEGAMON Collector is to collect data set statistics data for later viewing. This value can be set from 1 second to 86400 seconds for one day.

Required or optional

Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y and KD2_PF_SH_D2SHDATA is set to Y)

Default value

300

Minimum

1

Maximum

86400

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SHDATASETSTATISTICS=(*<KD2_PFnn_SH_D2SHDATA>*,*<value>*)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PE

Panel field

Data Set Statistics Interval

Default value

300

Minimum

1

Maximum

86400

Batch parameter name

KD2_PF_SH_D2SHDATI

PARMGEN name

KD2_PFnn_SH_D2SHDATI

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SHKHST

Enable Snapshot history

Description

Used to specify whether Snapshot History data is to be collected.

Required or optional

Required

Default value

N

Permissible values

Y, N

KD2_PF_SH_D2SHLTHD

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SNAPSHOT HISTORY=<value>

In the Configuration Tool (ICAT)

Panel name

Snapshot History

Panel ID

KD261PE

Panel field

Enable Snapshot history

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_PF_SH_D2SHKHST

PARMGEN name

KD2_PFnn_SH_D2SHKHST

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SHLTHD

Thread data including locking data

Description

Used to specify whether the collected thread data is to include locking data.

Required or optional

Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y and KD2_PF_SH_D2SHTHDD is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SHTHREADLOCK=<value>

In the Configuration Tool (ICAT)

Panel name

Snapshot History

Panel ID

KD261PE

Panel field

Thread Include Locking

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_Pf_SH_D2SHLTHD

PARMGEN name

KD2_Pfnn_SH_D2SHLTHD

PARMGEN classification

SS_HIS

KD2_Pfnn_SH_D2SHSPAI

System parameters interval

Description

Specifies in seconds how often the OMEGAMON Collector is to collect system parameters data for later viewing. This value can be set from 1 second to 86400 seconds for one day.

Required or optional

Optional (Required in case KD2_Pf_SH_D2SHKHST is set to Y and KD2_Pf_SH_D2SHSPAR is set to Y)

Default value

300

Minimum

1

Maximum

86400

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SHSYSTEMPARAMETERS=(<KD2_Pfnn_SH_D2SHSPAR> , <value>)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PE

Panel field

System Parameters Interval

Default value

300

Minimum

1

Maximum

86400

Batch parameter name

KD2_Pf_SH_D2SHSPAI

PARMGEN name

KD2_Pfnn_SH_D2SHSPAI

PARMGEN classification

SS_HIS

KD2_Pfnn_SH_D2SHSPAR

System Parameters data

Description

Specifies whether system parameters data is collected.

KD2_PF_SH_D2SHSQLT

Required or optional

Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SHSYSTEMPARAMETERS=(*<value>*, <KD2_PFn_SH_D2SHSPAI>)

In the Configuration Tool (ICAT)

Panel name

Snapshot History

Panel ID

KD261PE

Panel field

System Parameters

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_PF_SH_D2SHSPAR

PARMGEN name

KD2_PFn_SH_D2SHSPAR

PARMGEN classification

SS_HIS

KD2_PFn_SH_D2SHSQLT

Thread data including statement text

Description

Used to specify whether thread data collected for Snapshot history is to include SQL statement text.

Required or optional

Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y and KD2_PF_SH_D2SHTHDD is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SHTHREADSQL=*<value>*

In the Configuration Tool (ICAT)

Panel name

Snapshot History

Panel ID

KD261PE

Panel field

Thread Include Stmt Text

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_PF_SH_D2SHSQLT

PARMGEN name

KD2_PFnn_SH_D2SHSQLT

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SHSSZE

Archive size

Description

Used to specify the maximum size of the Snapshot History data set. The specified value is the size of the data set in megabytes.

Required or optional

Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value

16

Locations where the parameter value is stored**Location 1**In the OMDDssid member of the *rhilev.midlev.rtename.RKD2SAM* library**Output line**

MEGABYTES(<value>) -

Location 2In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

SHDATASETSIZE=<value>

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PE

Panel field

Snaphshot history archive size

Default value

16

Batch parameter name

KD2_PF_SH_D2SHSSZE

PARMGEN name

KD2_PFnn_SH_D2SHSSZE

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SHSTAI

Statistics interval

Description

Specifies in seconds how often the OMEGAMON Collector is to collect statistics data for later viewing. This value can be set from 1 second to 86400 seconds for one day.

Required or optional

Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y and KD2_PF_SH_D2SHSTAT is set to Y)

Default value

120

Minimum

1

Maximum

86400

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SHSTATISTICS=(`<KD2_PFnn_SH_D2SHSTAT>`,`<value>`)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PE

Panel field

Statistics Interval

Default value

120

Minimum

1

Maximum

86400

Batch parameter name

KD2_PF_SH_D2SHSTAI

PARMGEN name

KD2_PFnn_SH_D2SHSTAI

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SHSTAT

Collect Statistics data

Description

Specifies whether statistics data is to be collected.

Required or optional

Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SHSTATISTICS=(<value>,<KD2_PFn_SH_D2SHSTAI>)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PE

Panel field

Statistics

Default value

Y

Permissible values

Y, N

Batch parameter name

KD2_PF_SH_D2SHSTAT

PARMGEN name

KD2_PFn_SH_D2SHSTAT

PARMGEN classification

SS_HIS

KD2_PFn_SH_D2SHTHDD

Thread data

Description

Specified whether thread data 'without SQL text and locking information' is collected.

Required or optional

Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SHTHREAD=(<value>,<KD2_PFn_SH_D2SHTHDI>)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PE

Panel field

Thread

Default value

Y

Permissible values

Y, N

KD2_PFSH_D2SHTHDI

Batch parameter name

KD2_PFSH_D2SHTHDD

PARMGEN name

KD2_PFnn_SH_D2SHTHDD

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SHTHDI

Thread information interval

Description

Specifies in seconds how often the OMEGAMON Collector is to collect thread data for later viewing. This value can be set from 1 second to 86400 seconds for one day.

Required or optional

Optional (Required in case KD2_PFSH_D2SHKHST is set to Y and KD2_PFSH_D2SHTHDD is set to Y)

Default value

60

Minimum

1

Maximum

86400

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SHTHREAD=(<KD2_PFnn_SH_D2SHTHDD>, <value>)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PE

Panel field

Thread Interval

Default value

60

Minimum

1

Maximum

86400

Batch parameter name

KD2_PFSH_D2SHTHDI

PARMGEN name

KD2_PFnn_SH_D2SHTHDI

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQCON1

Filter 1 DB2 connection ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional (Required in case KD2_Pf_SH_D2SHKHST is set to Y)

Default value

*

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

HQ1=(...,CN='<value>',...)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

Connection ID

Default value

*

Batch parameter name

KD2_Pf_SH_D2SQCON1

PARMGEN name

KD2_PFnn_SH_D2SQCON1

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQCON2

Filter 2 DB2 connection ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

HQ2=(...,CN='<value>',...)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

KD2_PF_SH_D2SQCON3

Panel field

Connection ID

Default value

None

Batch parameter name

KD2_PF_SH_D2SQCON2

PARMGEN name

KD2_PFnn_SH_D2SQCON2

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQCON3

Filter 3 DB2 connection ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

HQ3=(... ,CN='<value>' , ...)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

Connection ID

Default value

None

Batch parameter name

KD2_PF_SH_D2SQCON3

PARMGEN name

KD2_PFnn_SH_D2SQCON3

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQCON4

Filter 4 DB2 connection ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is storedIn the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

HQ4=(... ,CN='<value>' ...)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

Connection ID

Default value

None

Batch parameter name

KD2_PF_SH_D2SQCON4

PARMGEN name

KD2_PFn_SH_D2SQCON4

PARMGEN classification

SS_HIS

KD2_PFn_SH_D2SQCON5

Filter 5 DB2 connection ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is storedIn the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

HQ5=(... ,CN='<value>',...)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

Connection ID

Default value

None

Batch parameter name

KD2_PF_SH_D2SQCON5

PARMGEN name

KD2_PFn_SH_D2SQCON5

KD2_PF_SH_D2SQCON6

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQCON6

Filter 6 DB2 connection ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

HQ6=(. . . , CN=' <value> ' , . . .)

In the Configuration Tool (ICAT)

Panel name

Snapshot History

Panel ID

KD261PK

Panel field

Connection ID

Default value

None

Batch parameter name

KD2_PF_SH_D2SQCON6

PARMGEN name

KD2_PFnn_SH_D2SQCON6

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQCOR1

Filter 1 DB2 correlation ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value

*

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

HQ1=(. . . , CR=' <value> ')

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

Correlation Name

Default value

*

Batch parameter name

KD2_PF_SH_D2SQCOR1

PARMGEN name

KD2_PFnn_SH_D2SQCOR1

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQCOR2

Filter 2 DB2 correlation ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is storedIn the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

HQ2=(. . . ,CR='<value>')

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

Correlation Name

Default value

None

Batch parameter name

KD2_PF_SH_D2SQCOR2

PARMGEN name

KD2_PFnn_SH_D2SQCOR2

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQCOR3

Filter 3 DB2 correlation ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
HQ3=( . . . ,CR='<value>' )
```

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

Correlation Name

Default value

None

Batch parameter name

KD2_PF_SH_D2SQCOR3

PARMGEN name

KD2_PFnn_SH_D2SQCOR3

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQCOR4

Filter 4 DB2 correlation ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
HQ4=( . . . ,CR='<value>' )
```

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

Correlation Name

Default value

None

Batch parameter name

KD2_PF_SH_D2SQCOR4

PARMGEN name

KD2_PFn_SH_D2SQCOR4

PARMGEN classification

SS_HIS

KD2_PFn_SH_D2SQCOR5

Filter 5 DB2 correlation ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is storedIn the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

HQ5=(. . . ,CR=' <value>')

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

Correlation Name

Default value

None

Batch parameter name

KD2_PF_SH_D2SQCOR5

PARMGEN name

KD2_PFn_SH_D2SQCOR5

PARMGEN classification

SS_HIS

KD2_PFn_SH_D2SQCOR6

Filter 6 DB2 correlation ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

KD2_PF_SH_D2SQPLA1

Default value

None

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

HQ6=(. . . ,CR='<value>')

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

Correlation ID

Default value

None

Batch parameter name

KD2_PF_SH_D2SQCOR6

PARMGEN name

KD2_PFnn_SH_D2SQCOR6

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQPLA1

Filter 1 DB2 Plan name

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value

*

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

HQ1=(. . . ,PL='<value>' , . . .)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

DB2 Plan Name

Default value

*

Batch parameter name

KD2_PF_SH_D2SQPLA1

PARMGEN name

KD2_PFnn_SH_D2SQPLA1

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQPLA2

Filter 2 DB2 Plan name

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

```
HQ2=(...,PL='<value>',...)
```

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

DB2 Plan Name

Default value

None

Batch parameter name

KD2_PF_SH_D2SQPLA2

PARMGEN name

KD2_PFnn_SH_D2SQPLA2

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQPLA3

Filter 3 DB2 Plan name

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

```
HQ3=(...,PL='<value>',...)
```

KD2_PF_SH_D2SQPLA4

In the Configuration Tool (ICAT)

Panel name

Snapshot History

Panel ID

KD261PK

Panel field

DB2 Plan Name

Default value

None

Batch parameter name

KD2_PF_SH_D2SQPLA3

PARMGEN name

KD2_PFnn_SH_D2SQPLA3

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQPLA4

Filter 4 DB2 Plan name

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

HQ4=(... ,PL='<value>' , ...)

In the Configuration Tool (ICAT)

Panel name

Snapshot History

Panel ID

KD261PK

Panel field

DB2 Plan Name

Default value

None

Batch parameter name

KD2_PF_SH_D2SQPLA4

PARMGEN name

KD2_PFnn_SH_D2SQPLA4

PARMGEN classification

SS_HIS

KD2_PFn_SH_D2SQPLA5

Filter 5 DB2 Plan name

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
HQ5=(...,PL='<value>',...)
```

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

DB2 Plan Name

Default value

None

Batch parameter name

KD2_PFn_SH_D2SQPLA5

PARMGEN name

KD2_PFn_SH_D2SQPLA5

PARMGEN classification

SS_HIS

KD2_PFn_SH_D2SQPLA6

Filter 6 DB2 Plan name

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
HQ6=(...,PL='<value>',...)
```

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

KD2_PF_SH_D2SQPRI1

Panel field

DB2 Plan Name

Default value

None

Batch parameter name

KD2_PF_SH_D2SQPLA6

PARMGEN name

KD2_PFnn_SH_D2SQPLA6

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQPRI1

Filter 1 Primary AUTH ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value

*

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

HQ1=(PR='<value>' . . .

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

Primary AUTH ID

Default value

*

Batch parameter name

KD2_PF_SH_D2SQPRI1

PARMGEN name

KD2_PFnn_SH_D2SQPRI1

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQPRI2

Filter 2 Primary AUTH ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is storedIn the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

HQ2=(PR='<value>',...)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

Primary AUTH ID

Default value

None

Batch parameter name

KD2_PF_SH_D2SQPRI2

PARMGEN name

KD2_PFnn_SH_D2SQPRI2

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQPRI3

Filter 3 Primary AUTH ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is storedIn the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

HQ3=(PR='<value>',...)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

Primary AUTH ID

Default value

None

Batch parameter name

KD2_PF_SH_D2SQPRI3

PARMGEN name

KD2_PFnn_SH_D2SQPRI3

KD2_PF_SH_D2SQPRI4

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQPRI4

Filter 4 Primary AUTH ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

HQ4=(PR='<value>',...)

In the Configuration Tool (ICAT)

Panel name

Snapshot History

Panel ID

KD261PK

Panel field

Primary AUTH ID

Default value

None

Batch parameter name

KD2_PF_SH_D2SQPRI4

PARMGEN name

KD2_PFnn_SH_D2SQPRI4

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQPRI5

Filter 5 Primary AUTH ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

HQ5=(PR='<value>',...)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

Primary AUTH ID

Default value

None

Batch parameter name

KD2_PF_SH_D2SQPRI5

PARMGEN name

KD2_PFnn_SH_D2SQPRI5

PARMGEN classification

SS_HIS

KD2_PFnn_SH_D2SQPRI6

Filter 6 Primary AUTH ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional

Optional

Default value

None

Location where the parameter value is storedIn the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

HQ6=(PR='<value>', ...)

In the Configuration Tool (ICAT)**Panel name**

Snapshot History

Panel ID

KD261PK

Panel field

Primary AUTH ID

Default value

None

Batch parameter name

KD2_PF_SH_D2SQPRI6

PARMGEN name

KD2_PFnn_SH_D2SQPRI6

PARMGEN classification

SS_HIS

KD2_PFnn_SQLID - SQL ID

The KD2_PFnn_SQLID parameters specify the SQL ID settings for your environment.

KD2_PFnn_SQLID

SQLID

Description

Customize a different SQLID if other than the default USER in the following xKD2SAM DB2 Grant jobs:

- EXGPssid
- EXGRssid
- OMGPssid: Grant DB2 privileges to each user ID that will work with the OMEGAMON Server
- OMGRssid: Grant DB2 privileges on the DB2 subsystem to the OMEGAMON Collector plan/package owner that are necessary to administer the collector

Required or optional

Required

Default value

USER

Locations where the parameter value is stored**Location 1**

In the EXGPssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
SET CURRENT SQLID = <value>;
```

Location 2

In the EXGRssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
SET CURRENT SQLID = <value>;
```

Location 3

In the OMGPssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
SET CURRENT SQLID = <value>;
```

Location 4

In the OMGRssid member of the *rhilev.midlev.rtename.RKD2SAM* library

Output line

```
SET CURRENT SQLID = <value>;
```

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PF_SQLID

PARMGEN name

KD2_PFnn_SQLID

PARMGEN classification

OMPE

KD2_PFn SQLPA - Db2 SQL Performance Analyzer

The KD2_PFn_SQLPA parameters specify the Db2 SQL Performance Analyzer settings for your environment.

Db2 SQL Performance Analyzer provides you with an extensive analysis of SQL queries without executing them. This analysis helps you in tuning your queries to achieve maximum performance. Db2 SQL Performance Analyzer can analyze new access paths, determine if action is needed, and estimate the costs of new paths in database resources consumed.

With Db2 SQL Performance Analyzer you can reduce the escalating costs of database queries by estimating their cost prior to execution. It delivers an Easy Explain function that provides an alternate view of the Explain data. Comparison of old and new plans is supported, along with Retro-Explain for Access plans, helping you to find out how long queries will take and to prevent queries from running too long. It can also aid in the migration of catalog statistics to test machines for in-depth analysis of production applications.

KD2_PFn_SQLPA_CF_ANLC

Fully qualified SQL PA ANLC config

Description

Specify the fully qualified SQL PA ANL Control configuration.

Required or optional

Optional (Required in case KD2_PF_SQLPA_ENABLE is set to Y and KD2_PF_SQLPA_CF_ENBL is set to Y)

Default value

SYS1.DB2.SQLPA(ANLC)

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SQLPAANLCNTL=<value>

In the Configuration Tool (ICAT)

Panel name

SQL Performance Analyzer

Panel ID

KD261PQ

Panel field

ANL Control

Default value

None

Batch parameter name

KD2_PF_SQLPA_CF_ANLC

PARMGEN name

KD2_PFn_SQLPA_CF_ANLC

PARMGEN classification

SQLPA

KD2_PFn_SQLPA_CF_ANLP

Fully qualified SQL PA ANLP config

Description

Specify the fully qualified SQL PA ANL Parm configuration.

KD2_PF_SQLPA_CF_ENBL

Required or optional

Optional (Required in case KD2_PF_SQLPA_ENABLE is set to Y and KD2_PF_SQLPA_CF_ENBL is set to Y)

Default value

SYS1.DB2.SQLPA(ANLP)

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SQLPAANLPARM=<value>

In the Configuration Tool (ICAT)

Panel name

SQL Performance Analyzer

Panel ID

KD261PQ

Panel field

ANL Parm

Default value

None

Batch parameter name

KD2_PF_SQLPA_CF_ANLP

PARMGEN name

KD2_PFnn_SQLPA_CF_ANLP

PARMGEN classification

SQLPA

KD2_PFnn_SQLPA_CF_ENBL

Enable use of SQL PA configuration

Description

Used to specify whether an existent SQL Performance Analyzer configuration is to be used:

Y

The SQL Performance Analyzer configuration is used.

N

The SQL Performance Analyzer configuration is not used.

In version 520 and above, this parameter must be set to Y.

Required or optional

Optional (Required in case KD2_PF_SQLPA_ENABLE is set to Y)

Default value

Y

Permissible values

Y

Location where the parameter value is stored

This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name

SQL Performance Analyzer

Panel ID

KD261PQ

Panel field

Use existing SQL Performance Analyzer configuration

Default value

Y

Permissible values

Y

Batch parameter name

KD2_PF_SQLPA_CF_ENBL

PARMGEN name

KD2_PFnn_SQLPA_CF_ENBL

PARMGEN classification

SQLPA

KD2_PFnn_SQLPA_ENABLE

Enable SQL Performance Analyzer

Description

Used to specify whether the SQL Performance Analyzer is to be configured. Specify one of the following values:

Y

The SQL Performance Analyzer is to be configured.

N

The SQL Performance Analyzer is not to be configured.

Required or optional

Required

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

This value is not stored in a configuration member.

In the Configuration Tool (ICAT)**Panel name**

SQL Performance Analyzer

Panel ID

KD261PQ

Panel field

Enable SQL Performance Analyzer

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_PF_SQLPA_ENABLE

PARMGEN name

KD2_PFnn_SQLPA_ENABLE

PARMGEN classification

SQLPA

KD2_PFnn_SQLPA_STEPDSN

Fully qualified SQL PA STEPLIB dsn

Description

Specify the fully qualified SQL PA STEPLIB data set name. Refer to the IBM DB2 SQL Performance Analyzer for z/OS Installation Guide for detailed installation and customization information.

Required or optional

Optional (Required in case KD2_PF_SQLPA_ENABLE is set to Y)

Default value

SYS1.DB2.SQLPA

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SQLPASTEPLIB=<value>

In the Configuration Tool (ICAT)**Panel name**

SQL Performance Analyzer

Panel ID

KD261PQ

Panel field

Dataset name

Default value

None

Batch parameter name

KD2_PF_SQLPA_STEPDSN

PARMGEN name

KD2_PFnn_SQLPA_STEPDSN

PARMGEN classification

SQLPA

KD2_PFnn_SQLPA_VERSION

DB2 version for SQLPA

Description

This is the version of the SQL Performance Analyzer. Valid values are 4.2 and 5.1

Required or optional

Optional (Required in case KD2_PF_SQLPA_ENABLE is set to Y)

Default value

5.1

Permissible values

4.2, 5.1

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

SQLPAVERSION=<value>

In the Configuration Tool (ICAT)**Panel name**

SQL Performance Analyzer

Panel ID

KD261PQ

Panel field

Version

Default value

5.1

Permissible values

4.2, 5.1

Batch parameter name

KD2_PF_SQLPA_VERSION

PARMGEN name

KD2_PFnn_SQLPA_VERSION

PARMGEN classification

SQLPA

KD2_PFnn_THRDHIS - Thread history

The KD2_PFnn_THRDHIS parameters control the thread history behavior in your environment.

KD2_PFnn_THRDHIS_DYN_SQL

Collect dynamic SQL data

Description

This specifies whether dynamic SQL text and access path information is collected.

If Y is entered, the collector activates IFCIDs 22,63,105,107.

If F is entered, the collector activates IFCIDs 22,350,105,107. IFCID 350 records the complete text of a parsed SQL statement, while IFCID 63 is limited to the first 5000 bytes of a SQL statement.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

N

Permissible values

Y, N, F

Location where the parameter value is stored

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

THRDSQL (<value>Y)

PARMGEN name

KD2_PFnn_THRDHIS_DYN_SQL

PARMGEN classification

NTH

KD2_PFnn_THRDHIS_LOCK_CNTN

Collect Lock contention data

Description

This specifies whether lock timeout and deadlock information is collected.

If Y is entered, the collector activates IFCIDs 172,196,105,107.

KD2_PF_SQLPA_VERSION

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

THRDCONT(<value>Y)

PARMGEN name

KD2_PFn_THRDHIS_LOCK_CNTN

PARMGEN classification

NTH

KD2_PFn_THRDHIS_LOCK_SUSP

Collect lock suspension data

Description

This specifies whether lock wait information for local resources is collected.

If Y is entered, the collector activates IFCIDs 44,45,213,214,105,107.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

THRDSUSP(<value>Y)

PARMGEN name

KD2_PFn_THRDHIS_LOCK_SUSP

PARMGEN classification

NTH

KD2_PFn_THRDHIS_LOG_NUM

Number of Thread History VSAM datasets

Description

Specify the number of VSAM datasets to be used for Thread History collection for Enhanced 3270UI. You can specify 3 to 60. The default is 7.

This field is only applicable if you specified THVSAM, VSAMSEQTHVSAM, SEQTHVSAM, VSAMTHVSAM as the storage mechanism to be used for Near Term History.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

7

Minimum

3

Maximum

60

Location where the parameter value is stored

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

THRDLOG(<value>)

PARMGEN name

KD2_PFn_THRDHIS_LOG_NUM

PARMGEN classification

NTH

KD2_PFn_THRDHIS_SCAN_SUMM

Collect scan summary data

Description

This specifies whether scan data is collected.

If Y is entered, the collector activates IFCIDs 15,16,17,18.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line

THRDSCAN(<value>Y)

PARMGEN name

KD2_PFn_THRDHIS_SCAN_SUMM

PARMGEN classification

NTH

KD2_PFn_THRDHIS_SORT_SUMM

Collect sort summary data

Description

This specifies whether sort data is collected.

If Y is entered, the collector activates IFCIDs 95 and 96.

Required or optional

Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

KD2_PF_TRACES_318

Output line

THRDSORT(<value>Y)

PARMGEN name

KD2_PFn_THRDHIS_SORT_SUMM

PARMGEN classification

NTH

KD2_PFn_TRACES - Db2 traces

The KD2_PFn_TRACES parameters control the Db2 trace command behavior in your environment.

You can specify additional Db2 trace commands to be started automatically when OMEGAMON for Db2 Performance Expert starts. Use the following parameters to provide valid **START TRACE** commands. When OMEGAMON for Db2 Performance Expert shuts down, the traces are not stopped.

KD2_PFn_TRACES_318

Start IFCID 318

Description

Used to specify whether a start trace command should be issued for IFCID 318. IFCID 318 is a flag IFCID that causes Db2 to collect detailed information on SQL statements in the dynamic statement cache. The collected information is externalized by means of IFCID 316. The default is N.

Required or optional

Required

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name

Start Additional DB2 Traces

Panel ID

KD2PTRAC

Panel field

IFCID 318 (Dynamic SQL statement cache)

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_PF_TRACES_318

PARMGEN name

KD2_PFn_TRACES_318

PARMGEN classification

DB2

KD2_PFnn_TRACES_400

Start IFCID 400

Description

Used to specify whether a start trace command should be issued for IFCID 400. IFCID 400 is a flag IFCID that causes Db2 to collect detailed information on static SQL statement in the EDM pool. The collected information is externalized by means of IFCID 401. The default is N.

Required or optional

Required

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

This value is not stored in a configuration member.

In the Configuration Tool (ICAT)**Panel name**

Start Additional DB2 Traces

Panel ID

KD2PTRAC

Panel field

IFCID 400 (Static SQL statement cache)

Default value

N

Permissible values

Y, N

Batch parameter name

KD2_PF_TRACES_400

PARMGEN name

KD2_PFnn_TRACES_400

PARMGEN classification

DB2

KD2_PFnn_TRACES_DB2CMD2

DB2 Command 2

Description

You can enter any valid DB2 command in this field. For each DB2 subsystem that is monitored by the OEMGAMON Collector a PE Server subtask is started. The DB2 command specified here is issued as part of the start sequence of the PE Server subtask.

Your input for these fields is not validated. You have to make sure that you enter a valid DB2 command. If the DB2 command is not correct the return code is written to the SYSPRINT of the OMEGAMON Collector at startup.

Required or optional

Optional

Default value

None

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

KD2_PF_TRACES_DB2CMD3

Output line

DB2COMMAND= '<value>'

In the Configuration Tool (ICAT)

Panel name

Start Additional DB2 Traces

Panel ID

KD2PTRAC

Panel field

DB2 command

Default value

None

Batch parameter name

KD2_PF_TRACES_DB2CMD2

PARMGEN name

KD2_PFnn_TRACES_DB2CMD2

PARMGEN classification

DB2

KD2_PFnn_TRACES_DB2CMD3

DB2 Command 3

Description

You can enter any valid DB2 command in this field. For each DB2 subsystem that is monitored by the OEMGAMON Collector a PE Server subtask is started. The DB2 command specified here is issued as part of the start sequence of the PE Server subtask.

Note:Your input for these fields is not validated. You have to make sure that you enter a valid DB2 command. If the DB2 command is not correct the return code is written to the SYSPRINT of the OMEGAMON Collector at startup.

Required or optional

Optional

Default value

None

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

DB2COMMAND= '<value>'

In the Configuration Tool (ICAT)

Panel name

Start Additional DB2 Traces

Panel ID

KD2PTRAC

Panel field

DB2 command

Default value

None

Batch parameter name

KD2_PF_TRACES_DB2CMD3

PARMGEN name

KD2_PFnn_TRACES_DB2CMD3

PARMGEN classification

DB2

KD2_PFnn_TRACES_DB2CMD4

DB2 Command 4

Description

You can enter any valid DB2 command in this field. For each DB2 subsystem that is monitored by the OEMGAMON Collector a PE Server subtask is started. The DB2 command specified here is issued as part of the start sequence of the PE Server subtask.

Note:Your input for these fields is not validated. You have to make sure that you enter a valid DB2 command. If the DB2 command is not correct the return code is written to the SYSPRINT of the OMEGAMON Collector at startup.

Required or optional

Optional

Default value

None

Location where the parameter value is stored

In the OMPEssid member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

```
DB2COMMAND='<value>'
```

In the Configuration Tool (ICAT)**Panel name**

Start Additional DB2 Traces

Panel ID

KD2PTRAC

Panel field

DB2 command

Default value

None

Batch parameter name

KD2_PF_TRACES_DB2CMD4

PARMGEN name

KD2_PFnn_TRACES_DB2CMD4

PARMGEN classification

DB2

KD2_PLAN - Plan

The KD2_PLAN parameters specify the plan setting for your environment.

KD2_PLAN_NAME_OVERRIDE

Customize DB2 plan names

Description

Customize a different DB2 plan name if you want to override the internal DB2 plan name PLAN(DSNTIAvv) in the following Bind/Grant-type xKD2SAM DB2 jobs: (where vv = 1:2 digits of ssid)

-
EXCQssid

- EXCTssid
- EXCVssid
- EXC0ssid
- EXC1ssid
- EXC2ssid
- EXC3ssid
- EXC8ssid
- EXDVssid
- EXGPssid
- EXGRssid
- OMGPssid
- OMGRssid
- PWGAssid
- PWG1ssid
- PWG2ssid

Required or optional

Required

Default value

None

Locations where the parameter value is stored

Location 1

In the EXCQssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -

Location 2

In the EXCTssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -

Location 3

In the EXCVssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -

Location 4

In the EXC0ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 5

In the EXC1ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 6

In the EXC2ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 7

In the EXC3ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 8

In the EXC8ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 9

In the EXDVssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 10

In the EXGPssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 11

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 12

In the OMGPssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 13

In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 14

In the PWGAssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 15

In the PWG1ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 16

In the PWG2ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

KD2_X_DB2_CONFIRM_SHUTDOWN

Output line

RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_PLAN_NAME_OVERRIDE

PARMGEN name

KD2_PLAN_NAME_OVERRIDE

PARMGEN classification

OMPE

KD2_X - Service

The KD2_X parameters are service parameters. Do not change these parameters without guidance of IBM Software Support.

KD2_X_DB2_CONFIRM_SHUTDOWN

Confirm shutdown option

Description

This sets the maximum number of seconds between two successive SHUTDOWN commands or MVS STOP (P) commands to terminate the OMEGAMON XE for DB2 PE address space.

CONFIRM(0)

Allows TMS:Engine shutdown to begin immediately without an additional, confirming SHUTDOWN command.

CONFIRM(n)

Prevents accidental shutdowns by requiring you to confirm the command by entering it a second time within the specified number of seconds.

For example, CONFIRM(15) requires you enter SHUTDOWN twice within 15 seconds to terminate the address space.

The default for OMEGAMON XE for DB2 PE CONFIRM is 0 which is also the TEMS default.

Required or optional

Required

Default value

0

Minimum

0

Maximum

15

Location where the parameter value is stored

In the KD2SYSIN member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

CONFIRM(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_CONFIRM_SHUTDOWN

PARMGEN name

KD2_X_DB2_CONFIRM_SHUTDOWN

PARMGEN classification

INIT

KD2_X_DB2_DEBUG_TRACE

TMS:Engine Debugging Services

Description

Do not modify this parameter except under the guidance of IBM software Support.

This parameter specifies whether TMS:Engine debugging services are to be activated.

Y

Basic debugging information will be recorded.

N

Basic debugging information will not be recorded.

DEBUG and STGDEBUG (KD2_X_DB2_STORAGE_STGDEBUG) may affect each other. If DEBUG(Y) is specified and STGDEBUG is omitted, basic storage debugging is turned on, causing an increase in storage use.

STGDEBUG must also be specified after DEBUG in the initialization deck for proper functioning of these turned on, causing an increase in storage use. parameters. DEBUG will override STGDEBUG if it follows STGDEBUG.

Required or optional

Required

Default value

N

Permissible values

Y, N

Location where the parameter value is stored

In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

DEBUG(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_DEBUG_TRACE

PARMGEN name

KD2_X_DB2_DEBUG_TRACE

PARMGEN classification

DEBUG

KD2_X_DB2_FRAME_STACK_SIZE

Initial Save Area Stack Size

Description

FRAME specifies the size of the initial save area stack TMS:Engine allocates for each of its tasks.

Required or optional

Required

Default value

900

Location where the parameter value is stored

In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

KD2_X_DB2_LGSA_VERIFY

Output line

FRAME(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_FRAME_STACK_SIZE

PARMGEN name

KD2_X_DB2_FRAME_STACK_SIZE

PARMGEN classification

STORAGE

KD2_X_DB2_LGSA_VERIFY

Verify \$GSA address availability

Description

Do not modify this parameter except under the guidance of IBM software Support.

Determines wheter TMS:Engine checks that the \$GSA address is available. Y or N are the only options.

Y

Means you want to check if available.

N

Means you do not want to check if available.

The default for OMEGAMON XE for DB2 PE LGSA is Y which is the TEMS default.

Required or optional

Required

Default value

Y

Permissible values

Y, N

Location where the parameter value is stored

In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

LGSA(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_LGSA_VERIFY

PARMGEN name

KD2_X_DB2_LGSA_VERIFY

PARMGEN classification

INIT

KD2_X_DB2_LSRPOOL_BUFFER_NUM1

Number of buffers

Description

Number of virtual storage buffers to be allocated for buffer pool "n" in the VSAM resource pool. You must specify a size for each buffer pool individually. You cannot string the definitions because they must be specified individually.

This parameter has size of buffers and number of buffer and is specified as LSRPOOL(2048,8). This parameter is related to KD2_X_DB2_LSRPOOL_BUFSIZE1.

Required or optional

Required

Default value

8

Minimum

3

Maximum

65535

Location where the parameter value is stored

In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

LSRPOOL (<KD2_X_DB2_LSRPOOL_BUFSIZE1>, <value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_LSRPOOL_BUFFER_NUM1

PARMGEN name

KD2_X_DB2_LSRPOOL_BUFFER_NUM1

PARMGEN classification

STORAGE

KD2_X_DB2_LSRPOOL_BUFFER_NUM2

Number of buffers

Description

Number of virtual storage buffers to be allocated for buffer pool "n" in the VSAM resource pool. You must specify a size for each buffer pool individually. You cannot string the definitions because they must be specified individually.

This parameter has size of buffers and number of buffer and is specified as LSRPOOL(4096,32). This parameter is related to KD2_X_DB2_LSRPOOL_BUFSIZE2.

Required or optional

Required

Default value

32

Minimum

3

Maximum

65535

Location where the parameter value is stored

In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

LSRPOOL (<KD2_X_DB2_LSRPOOL_BUFSIZE2>, <value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_LSRPOOL_BUFFER_NUM2

KD2_X_DB2_LSRPOOL_BUFFER_NUM3

PARMGEN name

KD2_X_DB2_LSRPOOL_BUFFER_NUM2

PARMGEN classification

STORAGE

KD2_X_DB2_LSRPOOL_BUFFER_NUM3

Number of buffers

Description

Number of virtual storage buffers to be allocated for buffer pool "n" in the VSAM resource pool. You must specify a size for each buffer pool individually. You cannot string the definitions because they must be specified individually.

This parameter has size of buffers and number of buffer and is specified as LSRPOOL(32768,3). This parameter is related to KD2_X_DB2_LSRPOOL_BUFSIZE3.

Required or optional

Required

Default value

3

Minimum

3

Maximum

65535

Location where the parameter value is stored

In the KD2SYSIN member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

LSRPOOL(<KD2_X_DB2_LSRPOOL_BUFSIZE3>, <value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_LSRPOOL_BUFFER_NUM3

PARMGEN name

KD2_X_DB2_LSRPOOL_BUFFER_NUM3

PARMGEN classification

STORAGE

KD2_X_DB2_LSRPOOL_BUFSIZE1

Size of virtual storage buffer in pool

Description

Size in bytes of each virtual storage buffer in buffer pool "n" in the VSAM resource pool. You must specify a size for each buffer pool individually. You cannot string the definitions because they must be specified individually.

Permissible values: 512, 1024, 2048, 4096, 8192, 12288, 16384, 20480, 24576, 28672, or 32768.

This parameter has size of buffers and number of buffer and is specified as LSRPOOL(2048,8). This parameter is related to KD2_X_DB2_LSRPOOL_BUFFER_NUM1.

Required or optional

Required

Default value

2048

Minimum

512

Maximum

32768

Location where the parameter value is storedIn the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

LSRPOOL(<value>, <KD2_X_DB2_LSRPOOL_BUFFER_NUM1>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_LSRPOOL_BUFSIZE1

PARMGEN name

KD2_X_DB2_LSRPOOL_BUFSIZE1

PARMGEN classification

STORAGE

KD2_X_DB2_LSRPOOL_BUFSIZE2

Size of virtual storage buffer in pool

Description

Size in bytes of each virtual storage buffer in buffer pool "n" in the VSAM resource pool. You must specify a size for each buffer pool individually. You cannot string the definitions because they must be specified individually.

Permissible values: 512, 1024, 2048, 4096, 8192, 12288, 16384, 20480, 24576, 28672, or 32768.

This parameter has size of buffers and number of buffer and is specified as LSRPOOL(4096,32). This parameter is related to KD2_X_DB2_LSRPOOL_BUFFER_NUM2.

Required or optional

Required

Default value

4096

Minimum

512

Maximum

32768

Location where the parameter value is storedIn the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library**Output line**

LSRPOOL(<value>, <KD2_X_DB2_LSRPOOL_BUFFER_NUM2>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_LSRPOOL_BUFSIZE2

PARMGEN name

KD2_X_DB2_LSRPOOL_BUFSIZE2

PARMGEN classification

STORAGE

KD2_X_DB2_LSRPOOL_BUFSIZE3

Size of virtual storage buffer in pool

Description

Size in bytes of each virtual storage buffer in buffer pool "n" in the VSAM resource pool. You must specify a size for each buffer pool individually. You cannot string the definitions because they must be specified individually.

Permissible values: 512, 1024, 2048, 4096, 8192, 12288, 16384, 20480, 24576, 28672, or 32768.

This parameter has size of buffers and number of buffer and is specified as LSRPOOL(32768,3). This parameter is related to KD2_X_DB2_LSRPOOL_BUFFER_NUM3.

Required or optional

Required

Default value

32768

Minimum

512

Maximum

32768

Location where the parameter value is stored

In the KD2SYSIN member of the *rhilev.midlev.rtename.RKD2PAR* library

Output line

LSRPOOL (<value>, <KD2_X_DB2_LSRPOOL_BUFFER_NUM3>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_LSRPOOL_BUFSIZE3

PARMGEN name

KD2_X_DB2_LSRPOOL_BUFSIZE3

PARMGEN classification

STORAGE

KD2_X_DB2_SDUMP_SVC_SYS1_DUMP

Confirm shutdown option

Description

SDUMP specifies the type of dump CT/Engine takes whenever an abend occurs.

Y

CT/Engine will issue the MVS SDUMP macro to take a dump to the system's dump data sets. This is the default if the CT/Engine jobstep is APF-authorized.

N

CT/Engine will not issue SDUMP. This is the default when the jobstep is not authorized.

S

CT/Engine will write only a summary dump to the RKLVSnap DD statement. Please note that IBM Support Services cannot perform problem diagnosis with only a summary dump.

M

CT/Engine will request a machine readable dump to the SYSMDUMP DD statement.

Usage Notes:

1. If SDUMP(N) is specified or defaulted, CT/Engine will take a formatted dump to the RKLVS NAP data set.
2. If SDUMP(Y) is specified or defaulted, but the SVC dump fails (perhaps the data set is too small), CT/Engine will proceed as if SDUMP(N) was coded.
3. In all cases a summary listing of the abend is written to RKLVS NAP. The list will contain an abend summary and a dispatcher summary.
4. If you specify SDUMP(Y), the address space must be APF-authorized; otherwise it will abend. Authorization is not required for the other options.
5. We recommend that you allow SDUMP to default to the appropriate value.
6. SYSMDUMP dumps are the same as SVC dumps and must be analyzed using IPCS.
7. SVC and SYSMDUMP dumps provide several benefits. They complete faster than the formatted dump, reducing the time the address space is non-dispatchable. They cost less to ship than paper dumps. IBM support personnel can perform problem determination faster, using specialized IPCS verb exits and formatting routines.
8. Only the first dump taken will be written to the SYSMDUMP data set unless the CT/Engine JCL specifies DISP=MOD. In that case subsequent dumps are appended to the end of the data set.
9. CT/Engine automatically initializes the SYSMDUMP data set with an end-of-file mark during start up. Unless DISP=MOD is specified, any existing dumps in the data set will be overwritten.
10. If SDUMP(M) is specified, and the SYSMDUMP DD is missing or the data set initialization fails, an error message is issued and CT/Engine terminates.
11. For more information regarding SYSMDUMP processing, refer to IBM's Planning: Problem Determination and Recovery.

Required or optional

Optional

Default value

Y

Permissible values

Y, N, M, S

Location where the parameter value is storedIn the KD2SYSIN member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

SDUMP(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_SDUMP_SVC_SYS1_DUMP

PARMGEN name

KD2_X_DB2_SDUMP_SVC_SYS1_DUMP

PARMGEN classification

INIT

KD2_X_DB2_STG_QUIESCE_MODE_MSG

Storage Monitor Interval

Description

This parameter specifies The storage monitoring report interval, in minutes. Specify 0 to disable the interval messages will be issued only when short on storage is detected and when it is relieved.

Required or optional

Optional

Default value

0

Minimum

0

Maximum

120

Location where the parameter value is stored

In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

STGMON(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_STG_QUIESCE_MODE_MSG

PARMGEN name

KD2_X_DB2_STG_QUIESCE_MODE_MSG

PARMGEN classification

STORAGE

KD2_X_DB2_STORAGE_LIMIT_EXTEND

LIMIT parameter in RKD2PAR(KD2SYSIN)

Description

This parameter specifies the maximum size for the TMS:Engine primary storage (above-the-line) request. The maximum extended storage request size is specified as a power of 2.

The minimum extended storage size is 16, which specifies a limit of 64K. The maximum is 25, which specifies a limit of 625K.

Required or optional

Required

Default value

18

Minimum

16

Maximum

25

Location where the parameter value is stored

In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

LIMIT(<value>,X)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_STORAGE_LIMIT_EXTEND

PARMGEN name

KD2_X_DB2_STORAGE_LIMIT_EXTEND

PARMGEN classification

STORAGE

KD2_X_DB2_STORAGE_LIMIT_PRIMARY

Primary maximum storage request

Description

This parameter specifies the maximum size for the TMS:Engine primary storage request. The maximum primary storage request size is specified as a power of 2. The minimum primary storage size is 16, which specifies a limit of 64K. The maximum is 25, which specifies a limit of 625K.

Required or optional

Required

Default value

16

Minimum

16

Maximum

25

Location where the parameter value is storedIn the KD2SYSIN member of the *rhilev.midlev.rtename.RKD2PAR* library**Output line**

LIMIT(<value>,P)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_STORAGE_LIMIT_PRIMARY

PARMGEN name

KD2_X_DB2_STORAGE_LIMIT_PRIMARY

PARMGEN classification

STORAGE

KD2_X_DB2_STORAGE_MIN_EXTEND

Extended minimum storage request

Description

This parameter specifies the minimum amount of extended storage that will be allocated. Extended storage is above the 16-Megabyte line.

If you want to use extended storage, you must code a non-zero value for the minimum parameter. This parameter is related to KD2_X_DB2_STORAGE_MIN_PRIMARY.

Required or optional

Required

Default value

8192

Minimum

0

KD2_X_DB2_STORAGE_MIN_PRIMARY

Maximum

9999999

Location where the parameter value is stored

In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

MINIMUM(<value>,X)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_STORAGE_MIN_EXTEND

PARMGEN name

KD2_X_DB2_STORAGE_MIN_EXTEND

PARMGEN classification

STORAGE

KD2_X_DB2_STORAGE_MIN_PRIMARY

Primary minimum storage request

Description

This parameter specifies the minimum amount of primary storage that will be allocated. Primary storage is below the 16-Megabyte line.

If you want to use extended storage, you must code a non-zero value for the minimum parameter below the 16-Megabyte line. This parameter is related to KD2_X_DB2_STORAGE_MIN_EXTEND.

Required or optional

Required

Default value

512

Minimum

0

Maximum

9999999

Location where the parameter value is stored

In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

MINIMUM(<value>,P)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_STORAGE_MIN_PRIMARY

PARMGEN name

KD2_X_DB2_STORAGE_MIN_PRIMARY

PARMGEN classification

STORAGE

KD2_X_DB2_STORAGE_STGDEBUG

Storage Debugging Services

Description

Do not modify this parameter except under the guidance of IBM software Support.

This parameter specifies whether TMS:Engine storage debugging services are to be activated.

N

Storage debugging information will not be recorded.

Y

Basic storage debugging information will be recorded.

X

Extended storage debugging information will be recorded.

DEBUG (KD2_X_DB2_DEBUG_TRACE) and STGDEBUG may affect each other. If DEBUG(Y) is specified and STGDEBUG is omitted, basic storage debugging is turned on, causing an increase in storage use.

STGDEBUG must also be specified after DEBUG in the initialization deck for proper functioning of these turned on, causing an increase in storage use. DEBUG will override STGDEBUG if it follows STGDEBUG.

Required or optional

Optional

Default value

N

Permissible values

Y, N, X

Location where the parameter value is stored

In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

STGDEBUG(<value>)

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_STORAGE_STGDEBUG

PARMGEN name

KD2_X_DB2_STORAGE_STGDEBUG

PARMGEN classification

DEBUG

KD2_X_DB2_WTO_ROUTE_TYPE

Message type for WTO Route code handling

Description

This parameter specifies the message type that should have special WTO route code handling. Possible values are: ALERT, ERROR, INFO, LOG, REPLY, USER, VIEW, WARN.

This parameter has type and code and is specified as WTORC(ALERT,11). This parameter is related to KD2_X_DB2_WTO_ROUTE_CODE.

Required or optional

Optional

Default value

ALERT

Permissible values

ALERT, ERROR, INFO, LOG, REPLY, USER, VIEW, WARN

Location where the parameter value is stored

In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

WTORC(<value>, <KD2_X_DB2_WTO_ROUTE_CODE>)

KD2_X_DB2_WTO_ROUTE_TYPE

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD2_X_DB2_WTO_ROUTE_TYPE

PARMGEN name

KD2_X_DB2_WTO_ROUTE_TYPE

PARMGEN classification

INIT

Chapter 6. KD5 - OMEGAMON TEMA

The KD5 parameters configure and control the OMEGAMON® Tivoli Enterprise Monitoring Agent (TEMA).

The TEMA monitors and collects performance data from a managed system. TEMAs are installed on the systems or subsystems you want to monitor and communicate with a single Tivoli® Enterprise Monitoring Server (remote or hub). They provide data and performance information to the Tivoli Enterprise Monitoring Server and receive instructions from the Tivoli Enterprise Monitoring Server. They are also able to issue commands to the system or application you are monitoring, either on request or as the result of automation triggered by a situation.

KD5_AUTO

DB2 Autodiscovery flag

Description

Specify Y if subsystem autodiscovery is to be enabled. With this product, a feature to allow the automatic detection of startup and termination of DB2 subsystems is supported. Collection probes for the subsystems are automatically started and stopped upon detection of subsystem activity.

This autodiscovery function is supported by the DPDC AUTODISCOVER command. When the DPDC AUTODISCOVER command is specified, it starts a new monitoring thread in the CMS address space at startup time, which automatically starts data collection for active DB2 subsystems. It also periodically examines subsystems to detect when new subsystems are started or terminated. Data collection threads are automatically started or stopped by the monitoring thread when a change of state is detected. The data collection options specified in the RKANPARU(KDPCNFG) member is changed to allow wildcards "*" to be accepted in parameters that currently accept DB2 subsystem IDs.

This enables the end-user to specify monitoring options without knowing in advance the names of all the DB2 subsystems. Specific data collection categories may be disabled or monitoring of entire subsystems disabled.

The default is Y.

Required or optional

Optional

Default value

Y

Permissible values

Y, N

Location where the parameter value is stored

In the KDPSTART member of the *rhilev.midlev.rtename.RKANCMDU* library

Output line

DPDC AUTODISCOVER

In the Configuration Tool (ICAT)

Panel name

DEFINE DB2 SUBSYSTEMS

Panel ID

KD541P2

Panel field

Enable autodiscovery

Default value

Y

KD5_AUTODETECT_INTERVAL

Permissible values

Y, N

Batch parameter name

KD5_AUTO

PARMGEN name

KD5_AUTO

PARMGEN classification

Agent

KD5_AUTODETECT_INTERVAL

DB2 Autodetect Interval

Description

How often auto detection should execute to check for new DB2 subsystems entering the system.

Required or optional

Optional

Default value

300

Minimum

0

Maximum

999

Location where the parameter value is stored

In the KD5ENV member of the *rhilev.midlev.rtename.RKANPARU* library

Output line

KDP_AUTODETECT_INTERVAL=<value>

In the Configuration Tool (ICAT)

Panel name

SPECIFY CONFIGURATION PARAMETERS

Panel ID

KD541P4

Panel field

DB2 autodetect interval

Default value

300

Minimum

0

Maximum

999

Batch parameter name

KD5_AUTODETECT_INTERVAL

PARMGEN name

KD5_AUTODETECT_INTERVAL

PARMGEN classification

Agent

KD5_DBnn_SSID

DB2 Subsystem name

Description

This specifies the DB2ID of the DB2 subsystem to be monitored.

Required or optional

Optional

Default value

*

Location where the parameter value is stored

In the KDPSTART member of the *rhilev.midlev.rtename*.RKANCMDU library

Output line

DPDC DB2ID(<value>)

In the Configuration Tool (ICAT)

Panel 1

Panel name

SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID

KD541P3

Panel field

Specify the data collector options for DB2 subsystem

Panel 2

Panel name

SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID

KD541P3A

Panel field

Specify the data collector options for DB2 subsystem

Default value

*

Batch parameter name

KD5_DB_SSID

PARMGEN name

KD5_DBnn_SSID

PARMGEN classification

Agent

KD5_DBnn_SS_AUTO

DB2 autodiscovery status

Description

Status of the DB2 autodiscovery row. If the subsystem added contains a wildcard "*", then this value is set to Y.

Required or optional

Optional

Default value

Y

KD5_DB_SS_COUPFAC

Permissible values

Y, N

Location where the parameter value is stored

This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD5_DB_SS_AUTO

PARMGEN name

KD5_DBnn_SS_AUTO

PARMGEN classification

Agent

KD5_DBnn_SS_COUPFAC

Coupling facility interval

Description

This specifies the interval, in seconds, that Coupling Facility statistics will be collected. The default collection interval is 600 seconds.

To disable collection of these statistics, set this field to 0.

Required or optional

Optional

Default value

600

Minimum

0

Maximum

999

Location where the parameter value is stored

In the KDPCNFG member of the *rhilev.midlev.rtename*.RKANPARU library

Output line

COUPFAC(<value>)

In the Configuration Tool (ICAT)

Panel 1

Panel name

SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID

KD541P3

Panel field

Coupling Facility statistics

Panel 2

Panel name

SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID

KD541P3A

Panel field

Coupling Facility statistics

Default value

600

Minimum

0

Maximum

999

Batch parameter name

KD5_DB_SS_COUPFAC

PARMGEN name

KD5_DBnn_SS_COUPFAC

PARMGEN classification

Agent

KD5_DBnn_SS_GBPSTAT

GBP Coupling facility interval

Description

This specifies the interval, in seconds, that Coupling Facility structure statistics for Group Buffer Pools will be collected. The default collection interval is 600 seconds.

To disable collection of these statistics, set this field to 0.

Required or optional

Optional

Default value

600

Minimum

0

Maximum

999

Location where the parameter value is stored

In the KDPCNFG member of the *rhilev.midlev.rtename*.RKANPARU library

Output line

GBPSTAT(<value>)

In the Configuration Tool (ICAT)**Panel 1****Panel name**

SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID

KD541P3

Panel field

Group Buffer pool statistics

Panel 2**Panel name**

SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID

KD541P3A

Panel field

Group Buffer pool statistics

KD5_DB_SS_OBJJA

Default value

600

Minimum

0

Maximum

999

Batch parameter name

KD5_DB_SS_GBPSTAT

PARMGEN name

KD5_DBnn_SS_GBPSTAT

PARMGEN classification

Agent

KD5_DBnn_SS_OBJJA

Group object allocation interval

Description

This specifies the interval, in seconds, that Coupling Facility statistics will be collected. The default collection interval is 600 seconds.

To disable collection of these statistics, set this field to 0.

Required or optional

Optional

Default value

600

Minimum

0

Maximum

999

Location where the parameter value is stored

In the KDPCNFG member of the *rhilev.midlev.rtename*.RKANPARU library

Output line

OBJECTA(<value>)

In the Configuration Tool (ICAT)**Panel 1****Panel name**

SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID

KD541P3

Panel field

Group Object allocation statistics

Panel 2**Panel name**

SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID

KD541P3A

Panel field

Group Object allocation statistics

Default value

600

Minimum

0

Maximum

999

Batch parameter name

KD5_DB_SS_OBJA

PARMGEN name

KD5_DBnn_SS_OBJA

PARMGEN classification

Agent

KD5_DBnn_SS_OBJB

Group object activity interval

Description

This specifies the interval, in seconds, that Group Object and Thread Activity statistics will be collected. The default collection interval is 600 seconds.

To disable collection of these statistics, set this field to 0.

Required or optional

Optional

Default value

600

Minimum

0

Maximum

999

Location where the parameter value is stored

In the KDPCNFG member of the *rhilev.midlev.rtename.RKANPARU* library

Output line

OBJECTB(<value>)

In the Configuration Tool (ICAT)**Panel 1****Panel name**

SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID

KD541P3

Panel field

Group Object and thread activity

Panel 2**Panel name**

SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID

KD541P3A

Panel field

Group Object and thread activity

KD5_DB_SS_OBJV

Default value

600

Minimum

0

Maximum

999

Batch parameter name

KD5_DB_SS_OBJB

PARMGEN name

KD5_DBnn_SS_OBJB

PARMGEN classification

Agent

KD5_DBnn_SS_OBJV

Group object volume interval

Description

This specifies the interval, in seconds, that Group Object and Thread Volume statistics will be collected. The default collection interval is 600 seconds.

To disable collection of these statistics, set this field to 0.

Required or optional

Optional

Default value

600

Minimum

0

Maximum

999

Location where the parameter value is stored

In the KDPCNFG member of the *rhilev.midlev.rtename*.RKANPARU library

Output line

OBJECTV(<value>)

In the Configuration Tool (ICAT)**Panel 1****Panel name**

SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID

KD541P3

Panel field

Group Object and thread volume

Panel 2**Panel name**

SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID

KD541P3A

Panel field

Group Object and thread volume

Default value

600

Minimum

0

Maximum

999

Batch parameter name

KD5_DB_SS_OBJV

PARMGEN name

KD5_DBnn_SS_OBJV

PARMGEN classification

Agent

KD5_DBnn_SS_TYP

DB2 Subsystem type

Description

This specifies how libraries are allocated and used.

An RTE consists of base libraries, which can be shared, and private libraries, which cannot be shared. There are two RTE types:

SERVER

This is an internal subsystem type that is used exclusively by the CMS. Do not specify the value for this field as the configuration will do it on your behalf.

DB2

Indicates that this subsystem is a DB2 subsystem.

Required or optional

Optional

Default value

DB2

Permissible values

SERVER, DB2

Location where the parameter value is stored

This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

This value cannot be updated using the Configuration Tool.

Batch parameter name

KD5_DB_SS_TYP

PARMGEN name

KD5_DBnn_SS_TYP

PARMGEN classification

Agent

KD5_MSG_INTERVAL

DB2 messages collection interval

Description

Specify the frequency to check for new DB2 messages. DB2 messages are critical to help identify issues like deadlocks, timeouts, running out of disk space, etc.

The default is 10 seconds. A collection interval of 1 to 60 seconds can be specified.

KD5_STATUS_REFRESH

Required or optional

Optional

Default value

10

Minimum

1

Maximum

60

Location where the parameter value is stored

In the KD5ENV member of the *rhilev.midlev.rtename*.RKANPARU library

Output line

KDP_MSG_INTERVAL=<value>

In the Configuration Tool (ICAT)

Panel name

SPECIFY CONFIGURATION PARAMETERS

Panel ID

KD541P4

Panel field

DB2 messages collection interval

Default value

10

Minimum

1

Maximum

60

Batch parameter name

KD5_MSG_INTERVAL

PARMGEN name

KD5_MSG_INTERVAL

PARMGEN classification

Agent

KD5_STATUS_REFRESH

DB2 Status Refresh Interval

Description

How often auto detection should execute to check the status of known db2 subsystems.

Required or optional

Optional

Default value

60

Minimum

0

Maximum

999

Location where the parameter value is stored

In the KD5ENV member of the *rhilev.midlev.rtename*.RKANPARU library

Output line

KDP_STATUS_REFRESH=<value>

In the Configuration Tool (ICAT)**Panel name**

SPECIFY CONFIGURATION PARAMETERS

Panel ID

KD541P4

Panel field

DB2 status refresh interval

Default value

60

Minimum

0

Maximum

999

Batch parameter name

KD5_STATUS_REFRESH

PARMGEN name

KD5_STATUS_REFRESH

PARMGEN classification

Agent

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