Program Directory for
IBM Tivoli OMEGAMON XE for DB2 Performance Expert
IBM Tivoli OMEGAMON XE for DB2 Performance Monitor
Japanese Feature
V5.1.1
Program Number 5655-W37, 5655-W38
FMID JKDB51W
for Use with
z/OS

Document Date: June 2012
Note

Before using this information and the product it supports, be sure to read the general information under 7.0, “Notices” on page 22.
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1.0 Introduction

This program directory is intended for system programmers who are responsible for program installation and maintenance. It contains information about the material and procedures associated with the installation of IBM Tivoli OMEGAMON XE for DB2 Japanese Feature. This publication refers to IBM Tivoli OMEGAMON XE for DB2 Japanese Feature as OMEGAMON XE for DB2 Japanese Feature.

The Program Directory contains the following sections:

- 2.0, “Program Materials” on page 3 identifies the basic and optional program materials and documentation for OMEGAMON XE for DB2 Japanese Feature.
- 3.0, “Program Support” on page 5 describes the IBM support available for OMEGAMON XE for DB2 Japanese Feature.
- 4.0, “Program and Service Level Information” on page 7 lists the APARs (program level) and PTFs (service level) that have been incorporated into OMEGAMON XE for DB2 Japanese Feature.
- 5.0, “Installation Requirements and Considerations” on page 8 identifies the resources and considerations that are required for installing and using OMEGAMON XE for DB2 Japanese Feature.
- 6.0, “Installation Instructions” on page 16 provides detailed installation instructions for OMEGAMON XE for DB2 Japanese Feature. It also describes the procedures for activating the functions of OMEGAMON XE for DB2 Japanese Feature, or refers to appropriate publications.

Before installing OMEGAMON XE for DB2 Japanese Feature, read the CBPDO Memo To Users and the CBPDO Memo To Users Extension that are supplied with this program in softcopy format and this Program Directory; then keep them for future reference. Section 3.2, “Preventive Service Planning” on page 5 tells you how to find any updates to the information and procedures in this Program Directory.

OMEGAMON XE for DB2 Japanese Feature is supplied in a Custom-Built Product Delivery Offering (CBPDO, 5751-CS3). The Program Directory that is provided in softcopy format on the CBPDO tape is identical to the hardcopy format if one was included with your order. All service and HOLDDATA for OMEGAMON XE for DB2 Japanese Feature are included on the CBPDO tape.

Do not use this program directory if you install OMEGAMON XE for DB2 Japanese Feature with a SystemPac or ServerPac. When you use one of those offerings, use the jobs and documentation supplied with the offering. The offering will point you to specific sections of this program directory as needed.
1.1 OMEGAMON XE for DB2 Japanese Feature Description

IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, is a single, comprehensive assessment tool. You can use it to evaluate the efficiency of, and optimize performance of your DB2 in a z/OS environment.

IBM Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS helps you resolve critical performance issues. It enables you to monitor, analyze, and optimize the performance of DB2 for z/OS in real time and in batch reports.

1.2 OMEGAMON XE for DB2 Japanese Feature FMIDs

OMEGAMON XE for DB2 Japanese Feature consists of the following FMIDs:

- JKDB51W
2.0 Program Materials

An IBM program is identified by a program number. The program number for OMEGAMON XE for DB2 Japanese Feature is 5655-W37, 5655-W38.

Basic Machine-Readable Materials are materials that are supplied under the base license and feature numbers, and are required for the use of the product. Optional Machine-Readable Materials are orderable under separate feature numbers, and are not required for the product to function.

The program announcement material describes the features supported by OMEGAMON XE for DB2 Japanese Feature. Ask your IBM representative for this information if you have not already received a copy.

2.1 Basic Machine-Readable Material

The distribution medium for this program is physical media or downloadable files. This program is in SMP/E RELFILE format and is installed by using SMP/E. See 6.0, “Installation Instructions” on page 16 for more information about how to install the program.

You can find information about the physical media for the basic machine-readable materials for OMEGAMON XE for DB2 Japanese Feature in the CBPDO Memo To Users Extension.

2.2 Optional Machine-Readable Material

No optional machine-readable materials are provided for OMEGAMON XE for DB2 Japanese Feature.

2.3 Program Publications

The following sections identify the basic and optional publications for OMEGAMON XE for DB2 Japanese Feature.

2.3.1 Basic Program Publications

Refer to the program directory for the base product for a complete list of publications. Figure 1 identifies the configuration publication to be used with the Japanese feature.

<table>
<thead>
<tr>
<th>Publication Title</th>
<th>Form Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configuration and Customization</td>
<td>GH12-6970</td>
</tr>
</tbody>
</table>

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The OMEGAMON XE for DB2 Japanese Feature product manuals can be found by navigating from the Web site listed below:

http://www.ibm.com/software/data/db2imstools/library.html

Select DB2 for z/OS Publications under Technical documentation, which can be found in a panel on the right side of the page. This will take you to a screen where the publications are listed by product. Choose Tivoli OMEGAMON XE for DB2 Performance Expert or Tivoli OMEGAMON XE for DB2 Performance Monitor, as appropriate, from the Jump to Product selection box.

2.3.2 Optional Program Publications

No optional publications are provided for OMEGAMON XE for DB2 Japanese Feature.

2.4 Program Source Materials

No program source materials or viewable program listings are provided for OMEGAMON XE for DB2 Japanese Feature.

2.5 Publications Useful During Installation

You might want to use the publications listed in Figure 2 during the installation of OMEGAMON XE for DB2 Japanese Feature. To order copies, contact your IBM representative or visit the IBM Publications Center at: http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss

<table>
<thead>
<tr>
<th>Publication Title</th>
<th>Form Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM SMP/E for z/OS User's Guide</td>
<td>SA22-7773</td>
</tr>
<tr>
<td>IBM SMP/E for z/OS Commands</td>
<td>SA22-7771</td>
</tr>
<tr>
<td>IBM SMP/E for z/OS Reference</td>
<td>SA22-7772</td>
</tr>
<tr>
<td>IBM SMP/E for z/OS Messages, Codes, and Diagnosis</td>
<td>GA22-7770</td>
</tr>
</tbody>
</table>
3.0 Program Support

This section describes the IBM support available for OMEGAMON XE for DB2 Japanese Feature.

3.1 Program Services

Contact your IBM representative for specific information about available program services.

3.2 Preventive Service Planning

Before you install OMEGAMON XE for DB2 Japanese Feature, make sure that you have reviewed the current Preventive Service Planning (PSP) information. Review the PSP Bucket for General Information, Installation Documentation, and the Cross Product Dependencies sections. For the Recommended Service section, instead of reviewing the PSP Bucket, it is recommended you use the IBM.ProductInstall-RequiredService fix category in SMP/E to ensure you have all the recommended service installed. Use the FIXCAT(IBM.ProductInstall-RequiredService) operand on the APPLY CHECK command. See 6.1.8, “Perform SMP/E APPLY” on page 19 for a sample APPLY command.

If you obtained OMEGAMON XE for DB2 Japanese Feature as part of a CBPDO, HOLDDATA is included.

If the CBPDO for OMEGAMON XE for DB2 Japanese Feature is older than two weeks by the time you install the product materials, you can obtain the latest PSP Bucket information by going to the following website:


You can also use S/390 SoftwareXcel or contact the IBM Support Center to obtain the latest PSP Bucket information.

For program support, access the Software Support Website at http://www.ibm.com/software/support/.

PSP Buckets are identified by UPGRADEs, which specify product levels; and SUBSETs, which specify the FMIDs for a product level. The UPGRADE and SUBSET values for OMEGAMON XE for DB2 Japanese Feature are included in Figure 3.

<table>
<thead>
<tr>
<th>UPGRADE</th>
<th>SUBSET</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5655W37</td>
<td>JKDB51W</td>
<td>OMEGAMON XE for DB2 PE BASE (JPN)</td>
</tr>
<tr>
<td>5655W38</td>
<td>JKDB51W</td>
<td>OMEGAMON XE for DB2 PE BASE (JPN)</td>
</tr>
</tbody>
</table>
3.3 Statement of Support Procedures

Report any problems which you feel might be an error in the product materials to your IBM Support Center. You may be asked to gather and submit additional diagnostics to assist the IBM Support Center in their analysis.

Figure 4 on page 6 identifies the component IDs (COMPID) for OMEGAMON XE for DB2 Japanese Feature.

<table>
<thead>
<tr>
<th>FMID</th>
<th>COMPID</th>
<th>Component Name</th>
<th>RETAIN Release</th>
</tr>
</thead>
<tbody>
<tr>
<td>JKDB51W</td>
<td>5655OPE00</td>
<td>OMEGAMON XE for DB2 PE BASE (JPN)</td>
<td>51W</td>
</tr>
</tbody>
</table>
4.0 Program and Service Level Information

This section identifies the program and relevant service levels of OMEGAMON XE for DB2 Japanese Feature. The program level refers to the APAR fixes that have been incorporated into the program. The service level refers to the PTFs that have been incorporated into the program.

4.1 Program Level Information

No APARs have been incorporated into this feature.

4.2 Service Level Information

No PTFs against this release of OMEGAMON XE for DB2 Japanese Feature have been incorporated into the product package.
5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing and activating OMEGAMON XE for DB2 Japanese Feature. The following terminology is used:

- **Driving system**: the system on which SMP/E is executed to install the program.
- **Target system**: the system on which the program is configured and run.

In many cases, you can use a system as both a driving system and a target system. However, you can make a separate IPL-able clone of the running system to use as a target system. The clone must include copies of all system libraries that SMP/E updates, copies of the SMP/E CSI data sets that describe the system libraries, and your PARMLIB and PROCLIB.

Use separate driving and target systems in the following situations:

- When you install a new level of a product that is already installed, the new level of the product will replace the old one. By installing the new level onto a separate target system, you can test the new level and keep the old one in production at the same time.
- When you install a product that shares libraries or load modules with other products, the installation can disrupt the other products. By installing the product onto a separate target system, you can assess these impacts without disrupting your production system.

5.1 Driving System Requirements

This section describes the environment of the driving system required to install OMEGAMON XE for DB2 Japanese Feature.

5.1.1 Machine Requirements

The driving system can run in any hardware environment that supports the required software.

5.1.2 Programming Requirements

<table>
<thead>
<tr>
<th>Program Number</th>
<th>Product Name</th>
<th>Minimum VRM</th>
<th>Minimum Service Level will satisfy these APARs</th>
<th>Included in the shipped product?</th>
</tr>
</thead>
<tbody>
<tr>
<td>5694-A01</td>
<td>z/OS</td>
<td>V01.11.00</td>
<td>N/A</td>
<td>No</td>
</tr>
</tbody>
</table>

Figure 5. Driving System Software Requirements
Note: Installation might require migration to new z/OS releases to be service supported. See http://www-03.ibm.com/systems/z/os/zos/support/zos_eos_dates.html.

5.2 Target System Requirements

This section describes the environment of the target system required to install and use OMEGAMON XE for DB2 Japanese Feature.

OMEGAMON XE for DB2 Japanese Feature installs in the z/OS (Z038) SREL.

5.2.1 Machine Requirements

The target system can run in any hardware environment that supports the required software.

5.2.2 Programming Requirements

5.2.2.1 Installation Requisites

Installation requisites identify products that are required and must be present on the system or products that are not required but should be present on the system for the successful installation of this product.

Mandatory installation requisites identify products that are required on the system for the successful installation of this product. These products are specified as PREs or REQs.

<table>
<thead>
<tr>
<th>Program Number</th>
<th>Product Name</th>
<th>Minimum VRM</th>
<th>Minimum Service Level will satisfy these APARs</th>
<th>Included in the shipped product?</th>
</tr>
</thead>
<tbody>
<tr>
<td>5694-A01</td>
<td>z/OS</td>
<td>V01.11.00</td>
<td>N/A</td>
<td>No</td>
</tr>
</tbody>
</table>

Note: Installation might require migration to new z/OS releases to be service supported. See http://www-03.ibm.com/systems/z/os/zos/support/zos_eos_dates.html.

Conditional installation requisites identify products that are not required for successful installation of this product but can resolve such things as certain warning messages at installation time. These products are specified as IF REQs.

OMEGAMON XE for DB2 Japanese Feature has no conditional installation requisites.
5.2.2.2 Operational Requisites

Operational requisites are products that are required and must be present on the system or products that are not required but should be present on the system for this product to operate all or part of its functions.

Mandatory operational requisites identify products that are required for this product to operate its basic functions. These products are specified as PREs or REQs.

<table>
<thead>
<tr>
<th>Program Number</th>
<th>Product Name and Minimum VRM/Service Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>5694-A01</td>
<td>z/OS V01.11.00 or higher</td>
</tr>
</tbody>
</table>

Any one of the following:

<table>
<thead>
<tr>
<th>Program Number</th>
<th>Product Name and Minimum VRM/Service Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>5635-DB2</td>
<td>IBM Database 2 V09.01.00</td>
</tr>
<tr>
<td>5605-DB2</td>
<td>IBM Database 2 V10.01.00</td>
</tr>
<tr>
<td>5697-P12</td>
<td>IBM DB2 Value Unit Edition V09.01.00</td>
</tr>
<tr>
<td>5697-P31</td>
<td>IBM DB2 Value Unit Edition V10.01.00</td>
</tr>
</tbody>
</table>

Conditional operational requisites identify products that are not required for this product to operate its basic functions but are required at run time for this product to operate specific functions. These products are specified as IF REQs.

<table>
<thead>
<tr>
<th>Program Number</th>
<th>Product Name and Minimum VRM/Service Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>One or more of the following:</td>
<td></td>
</tr>
<tr>
<td>5655-M15</td>
<td>CICS Transaction Server for z/OS V03.01.00 or higher</td>
</tr>
<tr>
<td>5655-S97</td>
<td>CICS Transaction Server for z/OS V04.01.00</td>
</tr>
<tr>
<td>5635-A01</td>
<td>IBM IMS V10.01.00</td>
</tr>
<tr>
<td>5635-A02</td>
<td>IBM IMS V11.01.00</td>
</tr>
<tr>
<td>5635-A03</td>
<td>IBM IMS V12.01.00</td>
</tr>
</tbody>
</table>

5.2.2.3 Toleration/Coexistence Requisites

Toleration/coexistence requisites identify products that must be present on sharing systems. These systems can be other systems in a multisystem environment (not necessarily sysplex), a shared DASD environment (such as test and production), or systems that reuse the same DASD environment at different time intervals.

OMEGAMON XE for DB2 Japanese Feature has no toleration/coexistence requisites.
5.2.2.4 Incompatibility (Negative) Requisites

Negative requisites identify products that must not be installed on the same system as this product.

OMEGAMON XE for DB2 Japanese Feature has the same negative requisites as its base program.

5.2.3 DASD Storage Requirements

OMEGAMON XE for DB2 Japanese Feature libraries can reside on all supported DASD types.

Figure 9 lists the total space that is required for each type of library.

<table>
<thead>
<tr>
<th>Library Type</th>
<th>Total Space Required in 3390 Trks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target</td>
<td>481</td>
</tr>
<tr>
<td>Distribution</td>
<td>481</td>
</tr>
</tbody>
</table>

Notes:

1. If you are installing into an existing environment that has the data sets in Figure 12 on page 13 and Figure 13 on page 14 already allocated, ensure sufficient disk space and directory blocks are available to support the requirement listed. This might require you to reallocate some data sets to avoid x37 abends.

2. Use system determined block sizes for efficient DASD utilization for all non-RECFM U data sets. For RECFM U data sets, a block size of 32760 is recommended, which is the most efficient from a performance and DASD utilization perspective.

3. Abbreviations used for data set types are shown as follows.

   U   Unique data set, allocated by this product and used by only this product. This table provides all the required information to determine the correct storage for this data set. You do not need to refer to other tables or program directories for the data set size.

   S   Shared data set, allocated by this product and used by this product and other products. To determine the correct storage needed for this data set, add the storage size given in this table to those given in other tables (perhaps in other program directories). If the data set already exists, it must have enough free space to accommodate the storage size given in this table.

   E   Existing shared data set, used by this product and other products. This data set is not allocated by this product. To determine the correct storage for this data set, add the storage size given in this table to those given in other tables (perhaps in other program directories). If the data set already exists, it must have enough free space to accommodate the storage size given in this table.

If you currently have a previous release of this product installed in these libraries, the installation of this release will delete the old release and reclaim the space that was used by the old release and any service that had been installed. You can determine whether these libraries have enough space by
deleting the old release with a dummy function, compressing the libraries, and comparing the space requirements with the free space in the libraries.

For more information about the names and sizes of the required data sets, see 6.1.5, “Allocate SMP/E Target and Distribution Libraries” on page 18.

4. All target and distribution libraries listed have the following attributes:
   - The default name of the data set can not be changed.
   - The default block size of the data set can be changed.
   - The data set can not be merged with another data set that has equivalent characteristics.

5. All target libraries listed have the following attributes:
   - These data sets can be SMS-managed, but they are not required to be SMS-managed.
   - These data sets are not required to reside on the IPL volume.
   - The values in the "Member Type" column are not necessarily the actual SMP/E element types that are identified in the SMPMCS.

6. All target libraries that are listed and contain load modules have the following attributes:
   - These data sets can not be in the LPA.
   - These data sets can be in the LNKLST except for TKANMODS.

If you are installing into an existing environment, ensure the values used for the SMP/E work datasets reflect the minimum values shown in Figure 10. Check the corresponding DDDEF entries in all zones because use of values lower than these can result in failures in the installation process. Refer to the SMP/E manuals for instructions on updating DDDEF entries.

<table>
<thead>
<tr>
<th>Library DDNAME</th>
<th>T</th>
<th>E</th>
<th>RR</th>
<th>LRE</th>
<th>Prim No.</th>
<th>Sec No.</th>
<th>No. of Prim Trks</th>
<th>No. of Sec Trks</th>
<th>No. of DIR Blks</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMPWRK1</td>
<td>E</td>
<td>PDS</td>
<td>FB</td>
<td>80</td>
<td>150</td>
<td>150</td>
<td>220</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SMPWRK2</td>
<td>E</td>
<td>PDS</td>
<td>FB</td>
<td>80</td>
<td>150</td>
<td>150</td>
<td>220</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SMPWRK3</td>
<td>E</td>
<td>PDS</td>
<td>FB</td>
<td>80</td>
<td>300</td>
<td>600</td>
<td>1320</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SMPWRK4</td>
<td>E</td>
<td>PDS</td>
<td>FB</td>
<td>80</td>
<td>150</td>
<td>150</td>
<td>220</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SMPWRK6</td>
<td>E</td>
<td>PDS</td>
<td>FB</td>
<td>80</td>
<td>300</td>
<td>1500</td>
<td>660</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SYSUT1</td>
<td>E</td>
<td>SEQ</td>
<td>--</td>
<td>--</td>
<td>75</td>
<td>75</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SYSUT2</td>
<td>E</td>
<td>SEQ</td>
<td>--</td>
<td>--</td>
<td>75</td>
<td>75</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SYSUT3</td>
<td>E</td>
<td>SEQ</td>
<td>--</td>
<td>--</td>
<td>75</td>
<td>75</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SYSUT4</td>
<td>E</td>
<td>SEQ</td>
<td>--</td>
<td>--</td>
<td>75</td>
<td>75</td>
<td>0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
If you are installing into an existing environment, ensure the current SMP/E support dataset allocations reflect the minimum values shown in Figure 11 on page 13. Check the space and directory block allocation and reallocate the data sets, if necessary.

### Figure 11. Storage Requirements for SMP/E Data Sets

<table>
<thead>
<tr>
<th>Library DDNAME</th>
<th>RECOG</th>
<th>Prim No. of 3390 Trks</th>
<th>Sec No. of 3390 Trks</th>
<th>No. of DIR Blks</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMPLTS E PDSE</td>
<td>U</td>
<td>0</td>
<td>15</td>
<td>150</td>
</tr>
<tr>
<td>SMPMTS E PDS FB</td>
<td>80</td>
<td>15</td>
<td>150</td>
<td>220</td>
</tr>
<tr>
<td>SMPPTS E PDSE</td>
<td>U</td>
<td>0</td>
<td>15</td>
<td>150</td>
</tr>
<tr>
<td>SMPSCDS E PDS FB</td>
<td>80</td>
<td>15</td>
<td>150</td>
<td>220</td>
</tr>
<tr>
<td>SMPSTS E PDS FB</td>
<td>80</td>
<td>15</td>
<td>150</td>
<td>220</td>
</tr>
</tbody>
</table>

Figure 12 and Figure 13 on page 14 describe the target and distribution libraries that will be allocated by this product's install jobs or that will be required for installation. The space requirements reflect what is specified in the allocation job or the space that this product will require in existing libraries. Additional tables are provided to show the specific space required for libraries that are used by each FMID. See 5.2.4, “DASD Storage Requirements by FMID” on page 14 for more information.

The storage requirements of OMEGAMON XE for DB2 Japanese Feature must be added to the storage required by other programs having data in the same library or path.

### Figure 12. Storage Requirements for OMEGAMON XE for DB2 Japanese Feature Target Libraries

<table>
<thead>
<tr>
<th>Library DDNAME</th>
<th>Member Type</th>
<th>Target Volume</th>
<th>RECOG</th>
<th>Prim No. of 3390 Trks</th>
<th>Sec No. of 3390 Trks</th>
<th>No. of DIR Blks</th>
</tr>
</thead>
<tbody>
<tr>
<td>TKANHJPN Help</td>
<td>Any S PDS FB</td>
<td>80</td>
<td>78</td>
<td>132</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TKANPJPN Panel</td>
<td>Any S PDS FB</td>
<td>80</td>
<td>104</td>
<td>220</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TKANPKGI Data</td>
<td>Any E PDS FB</td>
<td>80</td>
<td>10</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TKO2MJPN MSG</td>
<td>Any U PDS FB</td>
<td>80</td>
<td>8</td>
<td>44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TKO2PJPN Panel</td>
<td>Any U PDS FB</td>
<td>80</td>
<td>271</td>
<td>748</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TKO2TJPN Table</td>
<td>Any U PDS FB</td>
<td>80</td>
<td>10</td>
<td>44</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 5.2.4 DASD Storage Requirements by FMID

The tables in this section can help determine the specific space required for components not already installed in an existing environment. There is a table for each FMID included with the product.

#### Figure 13. Storage Requirements for OMEGAMON XE for DB2 Japanese Feature Distribution Libraries

<table>
<thead>
<tr>
<th>Library DDNAME</th>
<th>Member Type</th>
<th>Target Volume</th>
<th>T</th>
<th>O</th>
<th>E</th>
<th>C</th>
<th>R</th>
<th>No. of 3390 Trks</th>
<th>R</th>
<th>C</th>
<th>L</th>
<th>No. of DIR Blks</th>
</tr>
</thead>
<tbody>
<tr>
<td>DKANHJPN</td>
<td>Help</td>
<td>S PDS FB</td>
<td>80</td>
<td>78</td>
<td>132</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DKANPJPJN</td>
<td>Panel</td>
<td>S PDS FB</td>
<td>80</td>
<td>104</td>
<td>220</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DKANPKGI</td>
<td>Data</td>
<td>E PDS FB</td>
<td>80</td>
<td>10</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DKO2MJPN</td>
<td>MSG</td>
<td>U PDS FB</td>
<td>80</td>
<td>8</td>
<td>44</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DKO2PJPJN</td>
<td>Panel</td>
<td>U PDS FB</td>
<td>80</td>
<td>271</td>
<td>748</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DKO2TJPN</td>
<td>U PDS FB</td>
<td>80</td>
<td>10</td>
<td>44</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Figure 14. Storage Requirements for JKDB51W Libraries

<table>
<thead>
<tr>
<th>Library DDNAME</th>
<th>Member Type</th>
<th>Target Volume</th>
<th>T</th>
<th>O</th>
<th>E</th>
<th>C</th>
<th>R</th>
<th>No. of 3390 Trks</th>
<th>R</th>
<th>C</th>
<th>L</th>
<th>No. of DIR Blks</th>
</tr>
</thead>
<tbody>
<tr>
<td>TKANHJPN</td>
<td>Help</td>
<td>S PDS FB</td>
<td>80</td>
<td>78</td>
<td>70</td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TKANPJPJN</td>
<td>Panel</td>
<td>S PDS FB</td>
<td>80</td>
<td>110</td>
<td>128</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TKANPKGI</td>
<td>Data</td>
<td>E PDS FB</td>
<td>80</td>
<td>10</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TKO2MJPN</td>
<td>MSG</td>
<td>U PDS FB</td>
<td>80</td>
<td>17</td>
<td>18</td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>TKO2PJPJN</td>
<td>Panel</td>
<td>U PDS FB</td>
<td>80</td>
<td>245</td>
<td>518</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TKO2TJPN</td>
<td>Table</td>
<td>U PDS FB</td>
<td>80</td>
<td>14</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>DKANHJPN</td>
<td>S PDS FB</td>
<td>80</td>
<td>78</td>
<td>70</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DKANPJPJN</td>
<td>S PDS FB</td>
<td>80</td>
<td>110</td>
<td>128</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DKANPKGI</td>
<td>E PDS FB</td>
<td>80</td>
<td>10</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DKO2MJPN</td>
<td>U PDS FB</td>
<td>80</td>
<td>17</td>
<td>18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DKO2PJPJN</td>
<td>U PDS FB</td>
<td>80</td>
<td>245</td>
<td>518</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DKO2TJPN</td>
<td>U PDS FB</td>
<td>80</td>
<td>14</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
5.3 FMIDs Deleted

Installing OMEGAMON XE for DB2 Japanese Feature might result in the deletion of other FMIDs. To see which FMIDs will be deleted, examine the ++VER statement in the SMPMCS of the product.

If you do not want to delete these FMIDs at this time, install OMEGAMON XE for DB2 Japanese Feature into separate SMP/E target and distribution zones.

**Note:** These FMIDs are not automatically deleted from the Global Zone. If you want to delete these FMIDs from the Global Zone, use the SMP/E REJECT NOFMID DELETEFMID command. See the SMP/E Commands book for details.

5.4 Special Considerations

OMEGAMON XE for DB2 Japanese Feature has no special considerations for the target system.
6.0 Installation Instructions

This chapter describes the installation method and the step-by-step procedures to install and to activate the functions of OMEGAMON XE for DB2 Japanese Feature.

Please note the following points:

- You can use the sample jobs that are provided to perform part or all of the installation tasks. The SMP/E jobs assume that all DDDEF entries that are required for SMP/E execution have been defined in appropriate zones.
- You can use the SMP/E dialogs instead of the sample jobs to accomplish the SMP/E installation steps.

6.1 Installing OMEGAMON XE for DB2 Japanese Feature

6.1.1 SMP/E Considerations for Installing OMEGAMON XE for DB2 Japanese Feature

Use the SMP/E RECEIVE, APPLY, and ACCEPT commands to install this release of OMEGAMON XE for DB2 Japanese Feature.

6.1.2 SMP/E Options Subentry Values

The recommended values for certain SMP/E CSI subentries are shown in Figure 15. Using values lower than the recommended values can result in failures in the installation. DSSPACE is a subentry in the GLOBAL options entry. PEMAX is a subentry of the GENERAL entry in the GLOBAL options entry. See the SMP/E manuals for instructions on updating the global zone.

<table>
<thead>
<tr>
<th>Subentry</th>
<th>Value</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSSPACE</td>
<td>300,1200,1200</td>
<td>Use 1200 directory blocks</td>
</tr>
<tr>
<td>PEMAX</td>
<td>SMP/E Default</td>
<td>IBM recommends using the SMP/E default for PEMAX.</td>
</tr>
</tbody>
</table>

6.1.3 SMP/E CALLLIBS Processing

OMEGAMON XE for DB2 Japanese Feature does not use the CALLLIBS function.
6.1.4 Sample Jobs

The sample jobs provided expect a CSI to exist already. The sample installation jobs in Figure 16 on page 17 are provided as part of the product to help you install OMEGAMON XE for DB2 Japanese Feature.

Figure 16. Sample Installation Jobs

<table>
<thead>
<tr>
<th>Job Name</th>
<th>Job Type</th>
<th>Description</th>
<th>RELFILE</th>
</tr>
</thead>
<tbody>
<tr>
<td>KDBJ3ALO</td>
<td>ALLOCATE</td>
<td>Sample job to allocate target and distribution libraries</td>
<td>IBM.JKDB51W.F6</td>
</tr>
<tr>
<td>KDBJ4DDF</td>
<td>DDDEF</td>
<td>Sample job to define SMP/E DDDEFs</td>
<td>IBM.JKDB51W.F6</td>
</tr>
<tr>
<td>KDBJ5REC</td>
<td>RECEIVE</td>
<td>Sample RECEIVE job</td>
<td>IBM.JKDB51W.F6</td>
</tr>
<tr>
<td>KDBJ6APP</td>
<td>APPLY</td>
<td>Sample APPLY job</td>
<td>IBM.JKDB51W.F6</td>
</tr>
<tr>
<td>KDBJ7ACC</td>
<td>ACCEPT</td>
<td>Sample ACCEPT job</td>
<td>IBM.JKDB51W.F6</td>
</tr>
</tbody>
</table>

You can access the sample installation jobs by performing a SMP/E RECEIVE (refer to 6.1.7, “Perform SMP/E RECEIVE” on page 18), then copy the jobs from the relfiles to a work data set for editing and submission. See Figure 16 to find the appropriate relfile data set.

You can also choose to copy the jobs from the tape or product files by creating and submitting the job below. Use either the //TAPEIN or the //FILEIN DD statement, depending on your distribution medium, and comment out or delete the other statement. Add a job card and change the lowercase parameters to uppercase values to meet your site's requirements before submitting.

```
//STEP1 EXEC PGM=IEBCOPY,REGION=4M
//SYSPRINT DD SYSOUT=/c5197
//TAPEIN DD DSN=IBM.JKDB51W.F6,UNIT=tunit,
// VOL=SER=volser,LABEL=(x,SL),
// DISP=(OLD,KEEP)
//FILEIN DD DSN=IBM.JKDB51W.F6,UNIT=SYSALLDA,DISP=SHR,
// VOL=SER=FILEvol
//OUT DD DSNAME=jcl-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
// SPACE=(TRK,(10,2,5))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
COPY INDD=xxxxIN,OUTDD=OUT
SELECT MEMBER=(KDBJ3ALO,KDBJ4DDF,KDBJ5REC,KDBJ6APP,KDBJ7ACC)
/*
```

In the sample above, update the statements as noted below:

If using TAPEIN:

- **tunit** is the unit value that matches the product tape.
The volume serial that matches the product tape. 
the tape file number that indicates the location of the data set name on the tape.
Refer to the documentation provided by CBPDO to see where IBM.JKDB51W.F6 is on the tape.
If using FILEIN:
filevol is the volume serial of the DASD device where the downloaded files reside.
OUT:
jcl-library-name is the name of the output data set where the sample jobs are stored.
dasdvvol is the volume serial of the DASD device where the output data set resides.
SYSIN:
  Change xxxxIN to either TAPEIN or FILEIN depending on your input DD statement.

6.1.5 Allocate SMP/E Target and Distribution Libraries

Edit and submit sample job KDBJ3ALO to allocate the SMP/E target and distribution libraries for
OMEGAMON XE for DB2 Japanese Feature. Consult the instructions in the sample job for more
information. Consider the following issues before submitting the job.

- If you are installing into an existing environment, you might have to remove lines for data sets that
  already exist.
- If you are installing into an existing environment that has the data sets already allocated, ensure
  sufficient space and directory blocks are available to support the requirement listed in the DASD
  tables. This might require you to reallocate some data sets to avoid x37 abends.

Expected Return Codes and Messages: 0

6.1.6 Create DDDEF Entries

Edit and submit sample job KDBJ4DDF to create DDDEF entries for the SMP/E target and distribution
libraries for OMEGAMON XE for DB2 Japanese Feature. Consult the instructions in the sample job for more
information. If you are installing into an existing environment, you might have to remove lines for
data sets that already exist.

Expected Return Codes and Messages: 0

6.1.7 Perform SMP/E RECEIVE

If you have obtained OMEGAMON XE for DB2 Japanese Feature as part of a CBPDO, use the RCVPDO
job in the CBPDO RIMLIB data set to receive the OMEGAMON XE for DB2 Japanese Feature FMIDs,
service, and HOLDDATA that are included on the CBPDO package. For more information, see the
documentation that is included in the CBPDO.

You can also choose to edit and submit sample job KDBJ5REC to perform the SMP/E RECEIVE for
OMEGAMON XE for DB2 Japanese Feature. Consult the instructions in the sample job for more
information.
**6.1.8 Perform SMP/E APPLY**

Edit and submit sample job KDBJ6APP to perform an SMP/E APPLY CHECK for OMEGAMON XE for DB2 Japanese Feature. Consult the instructions in the sample job for more information.

The latest HOLDDATA is available through several different portals, including http://service.software.ibm.com/holdata/390holddata.html. The latest HOLDDATA may identify HIPER and FIXCAT APARs for the FMIDs you will be installing. An APPLY CHECK will help you determine if any HIPER or FIXCAT APARs are applicable to the FMIDs you are installing. If there are any applicable HIPER or FIXCAT APARs, the APPLY CHECK will also identify fixing PTFs that will resolve the APARs, if a fixing PTF is available.

You should install the FMIDs regardless of the status of unresolved HIPER or FIXCAT APARs. However, do not deploy the software until the unresolved HIPER and FIXCAT APARs have been analyzed to determine their applicability. That is, before deploying the software either ensure fixing PTFs are applied to resolve all HIPER or FIXCAT APARs, or ensure the problems reported by all HIPER or FIXCAT APARs are not applicable to your environment.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do not bypass the PRE, ID, REQ, and IFREQ on the APPLY CHECK. The SMP/E root cause analysis identifies the cause only of errors and not of warnings (SMP/E treats bypassed PRE, ID, REQ, and IFREQ conditions as warnings, instead of errors).

Here are sample APPLY commands:

1. To ensure that all recommended and critical service is installed with the FMIDs, receive the latest HOLDDATA and use the APPLY CHECK command as follows

   ```
   APPLY $(fmid,fmid,...) CHECK
   FORFMID(fmid,fmid,...)
   SOURCEID(RSU/c5197)
   FIXCAT(IBM.ProductInstall-RequiredService)
   GROUPEXTEND .
   ```

   Some HIPER APARs might not have fixing PTFs available yet. You should analyze the symptom flags for the unresolved HIPER APARs to determine if the reported problem is applicable to your environment and if you should bypass the specific ERROR HOLDs in order to continue the installation of the FMIDs.

   This method requires more initial research, but can provide resolution for all HIPERs that have fixing PTFs available and are not in a PE chain. Unresolved PEs or HIPERs might still exist and require the use of BYPASS.

2. To install the FMIDs without regard for unresolved HIPER APARs, you can add the BYPASS(HOLDCLASS(HIPER)) operand to the APPLY CHECK command. This will allow you to install FMIDs even though one or more unresolved HIPER APARs exist. After the FMIDs are
installed, use the SMP/E REPORT ERRSYSMODS command to identify unresolved HIPER APARs and any fixing PTFs.

APPLY S(fmid,fmid,...) CHECK 
FORFMID(fmid,fmid,...) 
SOURCEID(RSU/c5197) 
FIXCAT(IBM.ProductInstall-RequiredService) 
GROUPEXTEND 
BYPASS(HOLDCLASS(HIPER)) .
..any other parameters documented in the program directory

This method is the quicker, but requires subsequent review of the Exception SYSMOD report produced by the REPORT ERRSYSMODS command to investigate any unresolved HIPERs. If you have received the latest HOLDDATA, you can also choose to use the REPORT MISSINGFIX command and specify Fix Category IBM.ProductInstall-RequiredService to investigate missing recommended service.

If you bypass HOLDS during the installation of the FMIDs because fixing PTFs are not yet available, you can be notified when the fixing PTFs are available by using the APAR Status Tracking (AST) function of ServiceLink or the APAR Tracking function of ResourceLink.

Expected Return Codes and Messages from APPLY CHECK: 0

After you take actions that are indicated by the APPLY CHECK, remove the CHECK operand and run the job again to perform the APPLY.

Note: The GROUPEXTEND operand indicates that SMP/E applies all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

Expected Return Codes and Messages from APPLY: 0

After installing new function, you should perform two operations:

1. Create a backup of the updated data sets, including any SMP/E data sets affected, in case something happens to the data sets during the next phase.
2. Do some testing before putting the new function into production.

After you are satisfied that an applied SYSMOD has performed reliably in your target system, you can install it in your distribution libraries using the ACCEPT process.

Another good practice is to accept most SYSMODs, particularly FMIDs, before performing another APPLY process. This provides you the ability to use the RESTORE process of SMP/E and to support the scenario where SMP/E needs to create a new load module from the distribution libraries during the APPLY process.
6.1.9 Perform SMP/E ACCEPT

Edit and submit sample job KDBJ7ACC to perform an SMP/E ACCEPT CHECK for OMEGAMON XE for DB2 Japanese Feature. Consult the instructions in the sample job for more information.

To receive the full benefit of the SMP/E Causer SYMMOD Summary Report, do not bypass the PRE, ID, REQ, and IFREQ on the ACCEPT CHECK. The SMP/E root cause analysis identifies the cause of only errors but not warnings (SMP/E treats bypassed PRE, ID, REQ, and IFREQ conditions as warnings rather than errors).

Before you use SMP/E to load new distribution libraries, it is recommended that you set the ACCJCLIN indicator in the distribution zone. In this way, you can save the entries that are produced from JCLIN in the distribution zone whenever a SYMMOD that contains inline JCLIN is accepted. For more information about the ACCJCLIN indicator, see the description of inline JCLIN in the SMP/E Commands book for details.

Expected Return Codes and Messages from ACCEPT CHECK: 0

After you take actions that are indicated by the ACCEPT CHECK, remove the CHECK operand and run the job again to perform the ACCEPT.

Note: The GROUPEXTEND operand indicates that SMP/E accepts all requisite SYMMODs. The requisite SYMMODS might be applicable to other functions.

If PTFs that contain replacement modules are accepted, SMP/E ACCEPT processing will link-edit or bind the modules into the distribution libraries. During this processing, the Linkage Editor or Binder might issue messages that indicate unresolved external references, which will result in a return code of 4 during the ACCEPT phase. You can ignore these messages, because the distribution libraries are not executable and the unresolved external references do not affect the executable system libraries.

Expected Return Codes and Messages from ACCEPT if no PTFs are being installed: 0

6.2 Activating OMEGAMON XE for DB2 Japanese Feature

The publication Configuration and Customization, GH12-6970 contains the step-by-step procedures to activate the functions of OMEGAMON XE for DB2 Japanese Feature. This publication can be found online at:

http://www.ibm.com/software/data/db2imstools/library.html

Select DB2 Tools Publications under Product Publications, which can be found in a panel on the right side of the page. This will take you to a screen where the publications are listed by product. Choose Tivoli OMEGAMON XE for DB2 Performance Expert or Tivoli OMEGAMON XE for DB2 Performance Monitor, as appropriate, from the Jump to Product selection box.
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The support Web site offers extensive information, including a guide to support services (the IBM Software Support Handbook); frequently asked questions (FAQs); and documentation for all products, including Release Notes, Redbooks, and Whitepapers. The documentation for some product releases is available in both PDF and HTML formats. Translated documents are also available for some product releases.