# IBM Content Manager OnDemand Newsletter

## In This Issue

## News

### About this newsletter

This newsletter keeps you better informed about IBM® Content Manager OnDemand on all platforms. We publish this newsletter quarterly.

Support item 628001 contains previous editions of this newsletter.

Direct correspondence related to this newsletter to darrell.bryant@unicomsi.com.

The format of this newsletter is easy to read on wide screen devices. Use the full screen viewing option in Adobe Reader or Acrobat (Ctrl+L) for best results.

### Content Manager OnDemand for i V7.6 available

Content Manager OnDemand for i version 7.6 was announced April 8 and became available on April 18. See announcement letter AD25-0031 (US).

Highlights of version 7.6 include:

- Multi-Factor Authentication (MFA)
- Enhanced commands
- Enhanced IBM Navigator for i – Content Manager OnDemand for i component functions

A list of all of the version 7.6 enhancements can be found in support item 590033. For more details on selected enhancements, see the IBM i tips section of this newsletter.

Instructions for obtaining the Content Manager OnDemand for i (5770-RD1) product software for version 7.6 are found in support item 7168514.

### Global Content Manager OnDemand education



**The next Instructor Led Online (ILO) public class is scheduled (guaranteed to run) for the week of September 29, 2025.**

Hiring new Content Manager OnDemand administrators or needing a Content Manager OnDemand refresh?

Whatever your level of skill, now is a great time to get educated on several of the newer features of Content Manager OnDemand V10.5.

CMODSkills is the foremost training provider with the most comprehensive Content Manager OnDemand education options for new and existing Content Manager OnDemand users.

All Content Manager OnDemand education is available for remote learning, providing all the benefits of live instruction without the hassle of travel time and costs – students can learn virtually from wherever an internet connection is available.

The Instructor Led Online (ILO) courses equip Content Manager OnDemand users with the in-depth knowledge and techniques necessary for getting the maximum benefit from their Content Manager OnDemand systems and prepare students for the IBM Content Manager OnDemand System Administrator badge/certification exam.

The ILO classes include live, interactive presentations and hands-on labs.

The class details, including the class curriculum, can be found at cmodskills.com.

Simply contact either your IBM Expert Lab Services team or CMODSkills@outlook.com to register or for more information.

# Tips – Cross Platform

## How to retain temporary files in the AFP2PDF transform with ODWEK

It is sometimes useful to retain the temporary files created during AFP2PDF legacy transform processing with IBM® Content Manager OnDemand Web Enablement Kit (ODWEK) when instructed by Software Support. These temporary files are typically comprised of the AFP document data and the resource group file.

To configure the AFP2PDF legacy transform to retain temporary files:

1. Locate your afp2pdf.ini file used by ODWEK. The Java™ Properties class passed into your ODWEK ODConfig class references this file.

2. Edit the afp2pdf.ini and add the parameter RemoveFiles=0 under the default stanza. The default value is RemoveFiles=1, which will delete temporary files.

   For example:

   ```
   [default]
   OptionsFile=/opt/afp2pdf/afp2pdf.opts
   ImageMapFile=
   AllObjects=1
   RemoveFiles=0
   ```

The temporary files will be retained in the TempDir directory defined in the ODWEK ODConfig class.

To apply your changes, restart the Java process that runs your ODWEK application.

It is your responsibility to maintain these files if this configuration is used.

This tip adapted from support item 131243. See the Related Information section in the support item for more information.

## Configuring the Generic Transform Interface

Information on configuring the Generic Transform Interface in ODWEK is now located in the Content Manager OnDemand product publications. You can access information on the Generic Transform Interface at this link.

## How to search the System Log by using ARSDOC QUERY when the SQL query string contains a date or date range

### Question

When I use the ARSDOC QUERY command to search the Content Manager OnDemand System Log with a date or date range, I get an error message. What is the correct format to use for the date field and value?

### Cause

New date types were added in V9.0. To support both the old and new date types, the date application group field name and value in the SQL query must be specified by using a newly defined format.

### Answer

The System Log application group can have an old date type, a new date type, or an updated date type. Because application groups can have different date types, the Content Manager OnDemand server modifies the SQL query so that it maps to the correct value(s). To support the various date types, the SQL syntax requires:

1. "ODDAT_" must precede the name of the date's database field name.
2. There must be a space between the field name, the operator, and the value.
3. The date value must be in the following format:

   'YYYY-MM-DD HH:MM:SS.FFFFFF' where FFFFFF consists of 6 fractional digits

For Date/Time (TZ), the value(s) must always be in Coordinated Universal Time (UTC), sometimes known as GMT, because values in the database are always in UTC.

To specify a segment date range by using the -S option for ARSDOC QUERY, the date format must also follow the same format listed in item 3 and the format must be specified as:

```
'%Y-%m-%d %H:%M:%S.%F'
```

### Examples:

```
arsdoc query -u oduser -h odserver -f "System Log" -i "where
    ODDAT_time_stamp > '2019-01-01 12:50:00.000000' AND userid
    LIKE 'ODUSER%'"
arsdoc query -u oduser -h odserver -f "System Log" -i "WHERE
    ODDAT_time_stamp BETWEEN '2019-01-01 00:00:00.000000' AND
    '2019-01-06 23:59:59.999999' AND userid LIKE 'ODUSER%'"
arsdoc query -u oduser -h odserver -f "System Log" -i "WHERE
    ODDAT_time_stamp BETWEEN '2019-01-01 00:00:00.000000' AND
    '2019-01-06 23:59:59.999999' AND userid LIKE 'ODUSER%'" -S
    "2019-01-01 00:00:00.000000,2019-01-06 00:00:00.000000,%Y-
    %m-%d %H:%M:%S.%F".
```

This tip adapted from support item 523463.

# Tips – Multiplatforms

## Active/Active Support

Content Manager OnDemand for Multiplatforms provides active/active support for customers looking to achieve high availability. Content Manager OnDemand for Multiplatforms allows for multiple server processes to be running on multiple nodes/LPARs at the same time, when leveraging a highly available database such as Db2 pureScale, Oracle RAC, or SQL Server Clusters.

See support item 6083433 for a link to the active/active support white paper.

# Tips – z/OS

## Quick Hits

### Using OAM holds with Content Manager OnDemand

If holds on data are placed in OAM, expiration processing could be affected. Content Manager OnDemand does not know about OAM holds. Unpredictable results might occur including ending up with orphan data objects.

Any holds on Content Manager OnDemand data should be managed from Content Manager OnDemand itself. The optional Enhanced Retention Management (ERM) feature is the supported solution for managing holds.

More information about ERM is located in IBM Documentation.

### How does ARSLOAD know which user ID to use?

When you are running the ARSLOAD program on z/OS, if you do not specify the -u parameter, how does Content Manager OnDemand know what user ID to use?

If the -u parameter is not specified, then Content Manager OnDemand checks to see if the Unified Login exit is enabled.

If the Unified Login exit is not enabled, then ARSLOAD attempts to use the user ID and password in the stash file that is specified in the ARS.INI configuration file with the SRVR_OD_STASH parameter.

If login with the user ID from the stash file fails, ARSLOAD returns an error.

If you need to control which user ID is used, specify the -u parameter when you run ARSLOAD.

# Tips – IBM i – All releases

## IBM Navigator for i enhancements for 1st Quarter 2025

The Content Manager OnDemand administration functions in IBM Navigator for i were updated for the first quarter of 2025. The updates are included in the first quarter Navigator PTFs listed below.

- Migration Policy Storage Levels now indicate whether data is stored at the level.
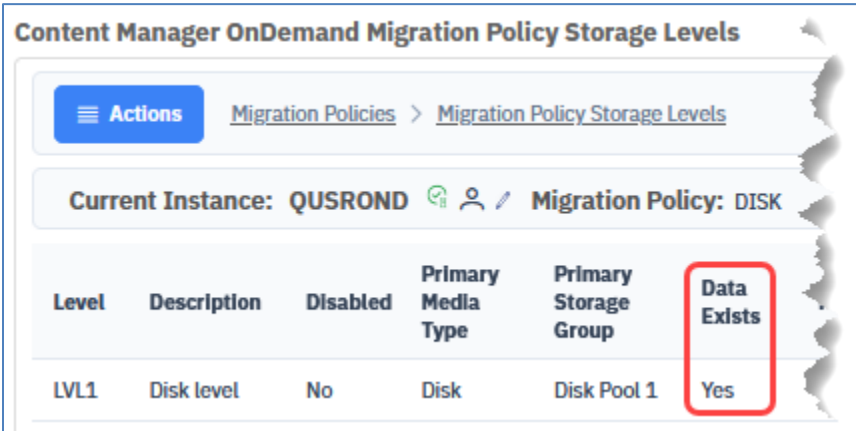


- A warning is given if an attempt is made to manage a system that is running a version of IBM i that is not supported by Content Manager OnDemand.
- Validation of some field values is now done earlier so invalid values are caught before sending requests to the server.

Listed in the table below are the required PTFs and minimum server levels for the first quarter Navigator update. You can also order the Content Manager OnDemand PTF Group, which installs all available Content Manger PTFs. This includes server version 10.5.0.9, if not already installed.

| Version | Content Manager OnDemand PTF | IBM i PTF | Content Manager OnDemand PTF Group & Level | Minimum Server Version |
|---|---|---|---|---|
| V7.6 | SJ04566 | SJ04647 | SF99688 – level 1 | 10.5.0.8 |
| V7.5 | SJ04567 | SJ03406 | SF99669 – level 11 | 10.5.0.4 |
| V7.4 | SJ04568 | SJ03404 | SF99652 – level 21 | 10.5.0.6 |

- See support item 6486565 for more information on IBM Navigator for i.
- It is recommended that you order and apply the latest Content Manager OnDemand for i PTF group to install these enhancements.

## IBM Navigator for i enhancements for 2nd Quarter 2025

The Content Manager OnDemand administration functions in IBM Navigator for i are updated for the second quarter of 2025. The updates are included in the second quarter Navigator PTFs listed below.

- When adding or changing an output queue or directory monitor, the Job Scheduler Configuration tab now uses checkboxes for the Days to Submit. This allows days to be both checked and unchecked as needed.
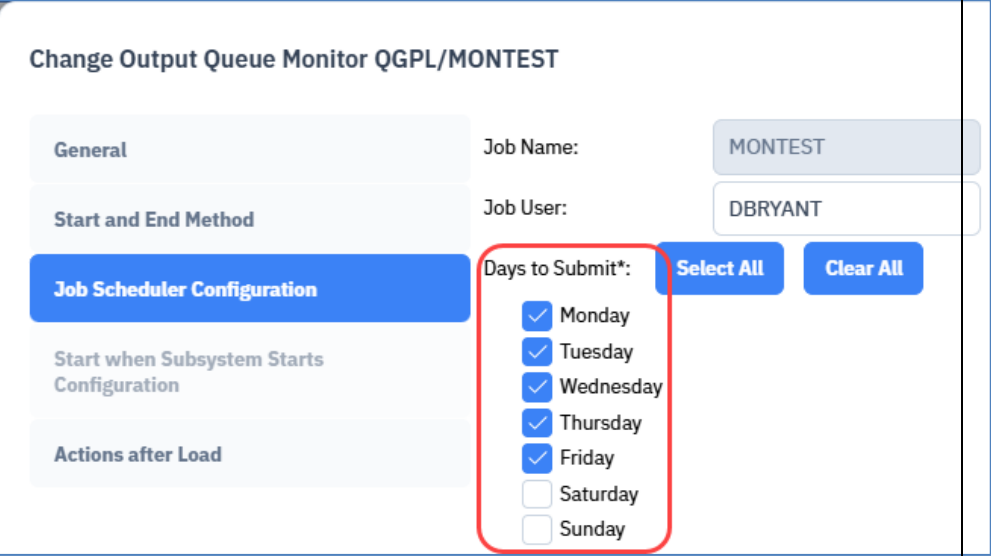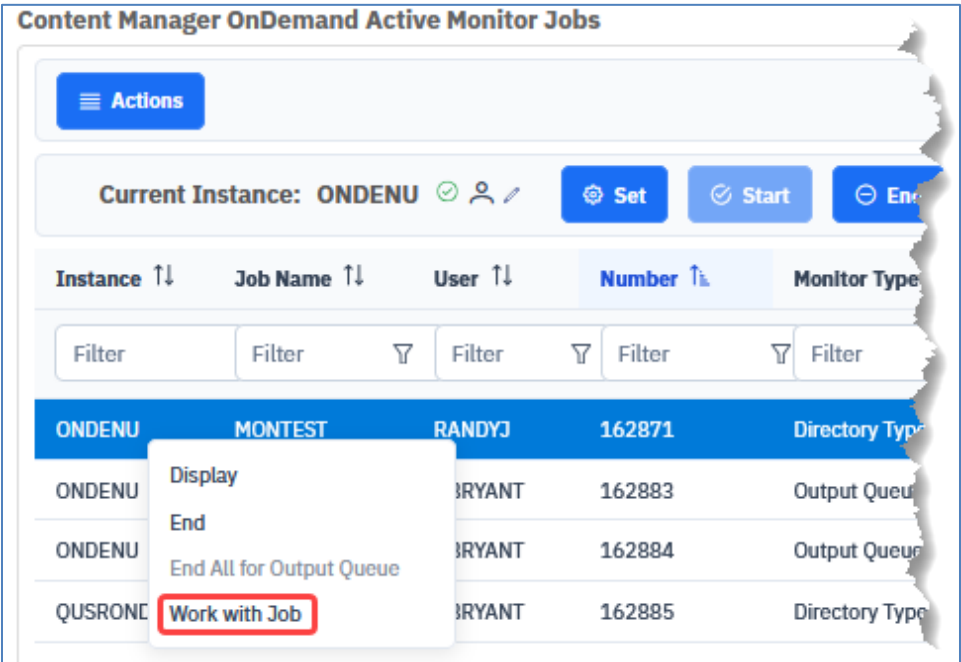


- The Content Manager OnDemand Instances list now includes the server job name. If the instance server is not active, *NONE is displayed.
- The context menu displayed when you right click an instance now includes a Work with Job option if the instance server is active.
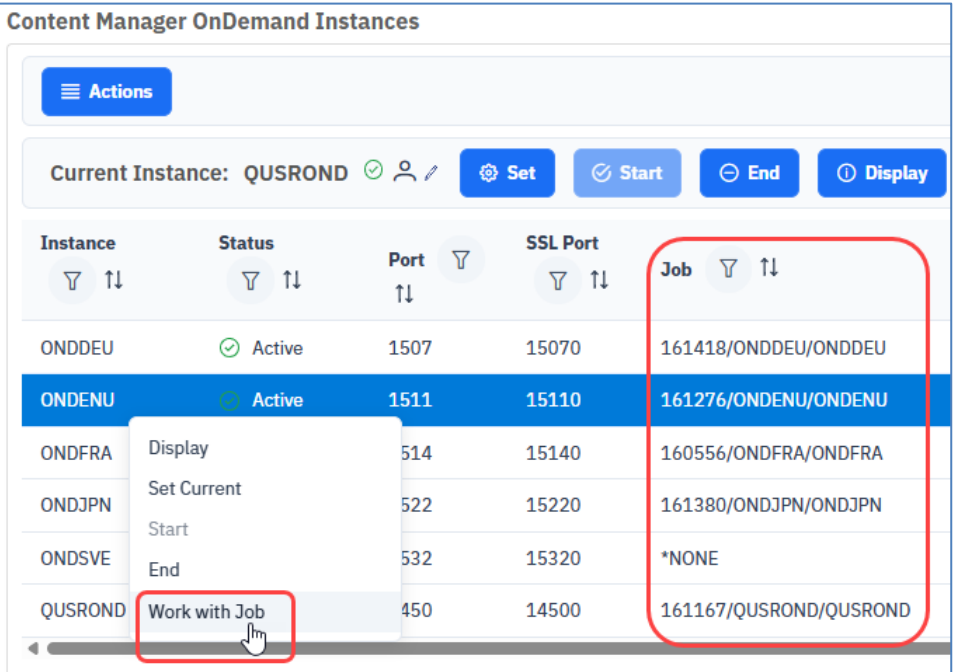


- The Work with Job list that is accessed from the Content Manager OnDemand Instances list uses the same panel and context menu options as other Work with Job options in Navigator.
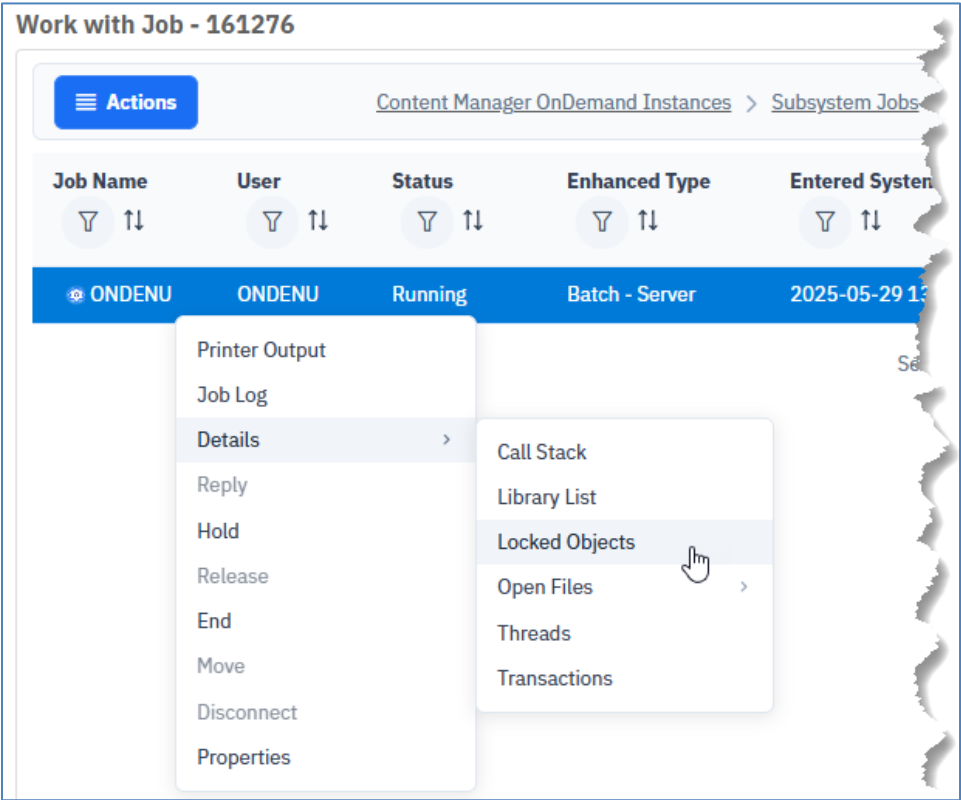


- The Active Monitor Jobs list context menu that is displayed when you right click on a monitor now includes a Work with Job option. The Work with Job list that is displayed uses the same panel and context menu options as other Work with Job options in Navigator. (See previous bullet.)

- The Content Manager OnDemand Instances list can now be accessed from the TCP/IP Servers list. Locate OnDemand in the list of servers, right click, and select Manage Instances.
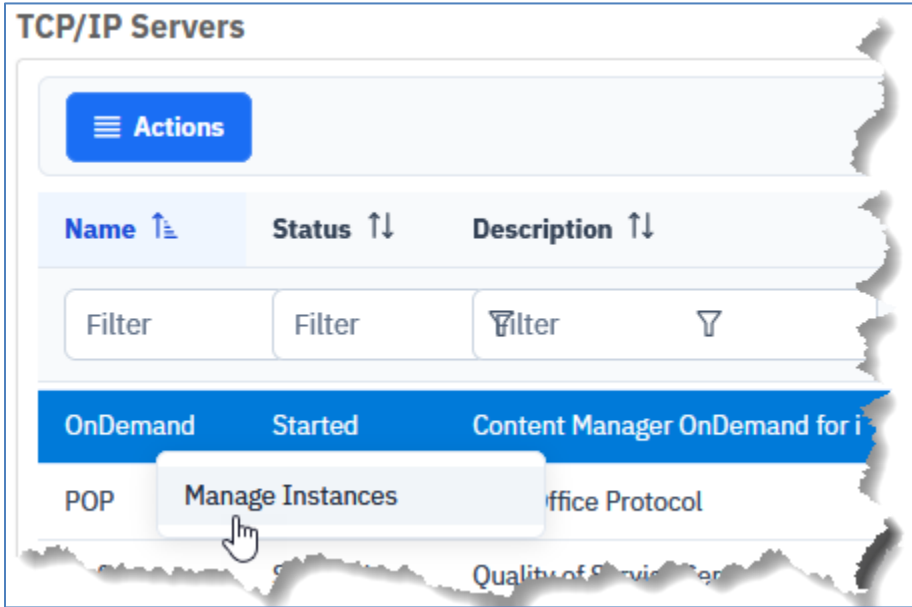


Listed in the table below are the required PTFs and minimum server levels for the second quarter Navigator update. You can also order the Content Manager OnDemand PTF Group, which installs all available Content Manger PTFs. This includes server version 10.5.0.9, if not already installed.

| Version | Content Manager OnDemand PTF | IBM i PTF | Content Manager OnDemand PTF Group & Level | Minimum Server Version |
|---------|------------------------------|-----------|--------------------------------------------|------------------------|
| V7.6 | SJ06028 | SJ05407 SJ05429 | SF99688 – level 2 | 10.5.0.8 |
| V7.5 | SJ06029 | SJ05406 SJ05432 | SF99669 – level 12 | 10.5.0.4 |
| V7.4 | SJ06031 | SJ05405 SJ05438 | SF99652 – level 22 | 10.5.0.6 |

- See support item 6486565 for more information on IBM Navigator for i.
- It is recommended that you order and apply the latest Content Manager OnDemand for i PTF group to install these enhancements.

## Instance user profile job description

The Create Instance (CRTINSTOND) command now creates the instance user profile with a default job description of QOND400 in library QRDARS for new instances.

This change is included in the server version 10.5.0.9 PTFs. When a new instance is created, the instance user profile (with a name that matches the instance name) is now created with the Job description (JOBD) parameter set to QOND400 in library QRDARS. Previously, the instance user profile's job description was set to QDFTJOBD in library QGPL. This change only affects new instances; existing instance user profile job descriptions remain unchanged.

If you prefer, you can change your existing instance user profiles to use the job description QOND400 in library QRDARS.  For example:

    CHGUSRPRF USRPRF(QUSROND) JOBD(QRDARS/QOND400)

# Tips – IBM i – V7.6

## What's new in V7.6 of Content Manager OnDemand for i

Significant enhancements in IBM Content Manager OnDemand for i 7.6 include:

### Multi-Factor Authentication (MFA):

IBM i multi-factor authentication is now supported for both the OnDemand Client and OnDemand Administrator workstation client applications. See the tip below for more information.

### Enhanced commands:

The default value for the Database files CCSID (DBFCCSID) parameter of the Create Instance (CRTINSTOND) command has changed from *LOCALE to *UTF8. See the tip below for more information.

The SSL application name (SSLAPPL) parameter of the Create Instance (CRTINSTOND) command can be specified when creating an instance; however, the SSL key file (SSLKEYF) parameter can no longer be specified. See the tip below for more information.

A new *DIR3 parameter value is allowed for the Type (TYPE) parameter of the Start Monitor (STRMONOND) command to process stream files with the following extensions: .afp, .lin, .line, .txt, and .pdf. See the tips below for more information.

On the Start Monitor (STRMONOND) command, the default Check interval (CHKITV) parameter value is reduced from 90 seconds to 30 seconds. The Job name (JOB) parameter is deprecated; use the Job name (JOBNAME) parameter instead.

A new Stash file (STASHFILE) parameter has been added to the Remove Report (RMVRPTOND), Retrieve Document (RTVDOCOND), and Query Document (QRYDOCOND) commands.

New parameter values are allowed for the Application group name (APPGRP) and Application name (APP) parameters of the Add Report (ADDRPTOND) command.

A new Job name (JOBNAME) parameter is available on all Content Manager OnDemand for i commands that have a Submit to batch (SBMJOB) parameter. The default job name for some submitted commands has changed. See the tip below for more information.

Additional command enhancements have been made to multiple commands, improving usability and system administration.

Most of these command enhancements are also available through PTFs for Content Manager OnDemand for i versions 7.4 and 7.5.

### Enhanced IBM Navigator for i – Content Manager OnDemand for i component functions:

A new output queue and directory monitor jobs page is available, including monitor status.

New fields have been added for instances, including snippets of the ARS.CFG and ARS.INI configuration files.

Migration policy levels now indicate whether data exists at the level.

More field values are validated as they are being set and before the request is sent to the server, which avoids having to enter all fields again after an invalid request.

Optical volumes associated with an optical storage group can be listed directly from the optical storage group list.

These Navigator enhancements are also available through PTFs for Content Manager OnDemand for i versions 7.4 and 7.5.

### Additional enhancements:

Instance startup speed is significantly improved by making automatic ARSSUPPORT data collection asynchronous.

The Network File System (NFS) mount process is enhanced to be faster and more configurable.

These enhancements are also available through PTFs for Content Manager OnDemand for i versions 7.4 and 7.5.

These and other enhancements are described in the Read This First document for Content Manager OnDemand for i V7.6.

## Support for multi-factor authentication

Content Manager OnDemand for i V7.6 supports IBM i multi-factor authentication (MFA) when using the OnDemand Client and OnDemand Administrator client.

To enable it, first enable MFA on your IBM i system. For more information, see the IBM i documentation on setting up MFA on your system and support item 7180390 for information on using IBM Navigator for i to manage MFA.

Second, enable MFA for a user. Not all users are required to use MFA. You can enable it for some users and not for others. This approach also lets you test MFA before putting it into production. See links provided in the first step for details.

Third, log on to the OnDemand Client or the OnDemand Administrator client with your password and your additional factor, separated by a colon (:). Do not include a space before or after the colon. The combined length of the password, colon, and factor cannot exceed 128 bytes.
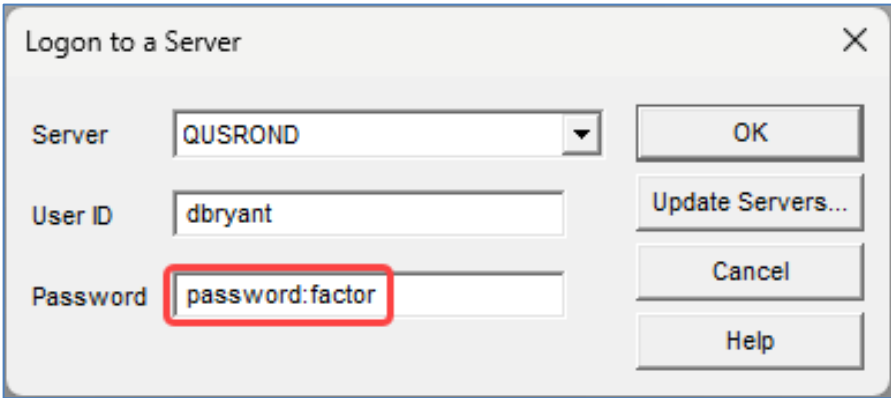


## Default value for the Database files CCSID (DBFCCSID) parameters changed

In V7.6, the default value for the Database files CCSID parameter has been changed to *UTF8. New instances are created with Unicode support unless you specify a value of *LOCALE for the DBFCCSID parameter.

Content Manager OnDemand for i supports UTF-8 encoding, also known as Unicode, for all database files that belong to a Content Manager OnDemand instance. UTF-8 support is valid only for new instances; you cannot change an existing instance from a non-UTF-8 CCSID to UTF-8.

When the DBFCCSID parameter value is specified as *UTF8 when you run the CRTINSTOND command, a parameter entry of ARS_IBMI_UTF8_TABLES=1 is added to the ARS.CFG configuration file for the instance. This parameter setting causes all character fields in all database files in the instance to be created with a CCSID setting of 1208. This allows for loading of data with different CCSIDs into a single instance, and eliminates the possibility of character conversion errors.
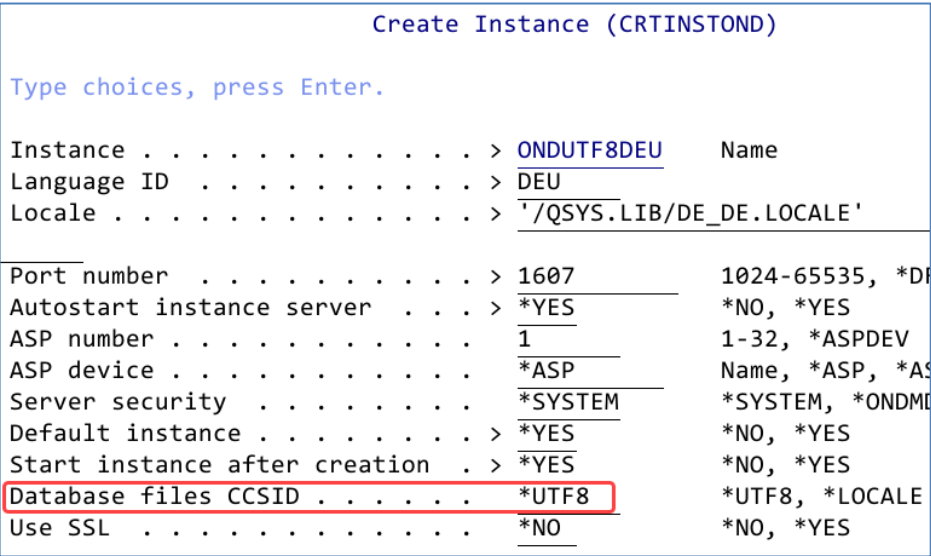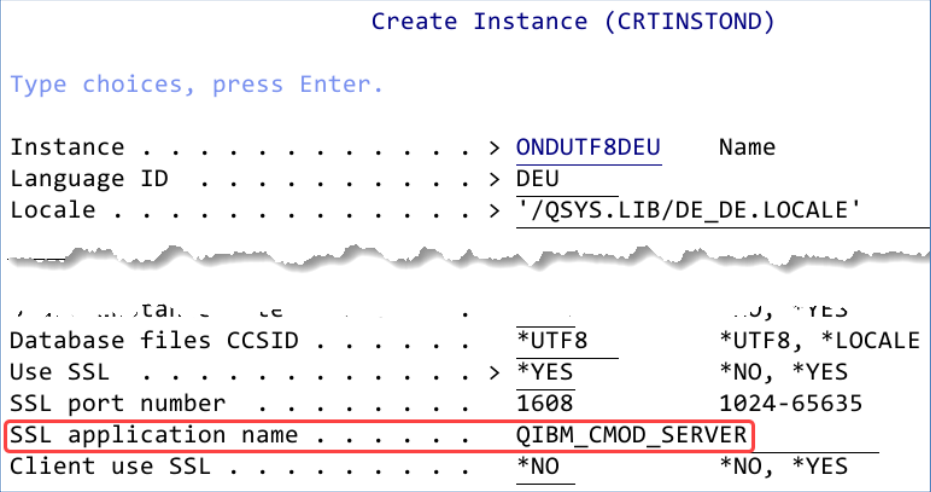


See the third quarter 2023 newsletter for more details on UTF-8 support.

## SSL application name (SSLAPPL) parameter of the Create Instance (CRTINSTOND) command

When creating a new instance at V7.6, SSL configuration supports only using a Digital Certificate Manager (DCM) application. The SSL Type (SSLTYPE) parameter is no longer valid. If you want to use an SSL key file, you must configure it manually after creating the instance.

If you have not already reconfigured your existing SSL implementation to use the DCM application, you should do so now. See support item 595101 for more information on implementing SSL.



See the third quarter 2023 newsletter for more details.

## Using stream files as an input source to the 400 indexer

The 400 indexer can process stream files containing either AFP or line data.

AFP stream files must have .afp as their file extension. The AFP data must be encoded in EBCDIC. The AFP stream file is converted to a spooled file and then processed by the 400 indexer.

Line data stream files must include ANSI carriage controls, also known as first character forms control (FCFC). Line data files must have .lin, .line, or .txt as their file extension. The line data can be encoded in either ASCII or EBCDIC. If the line data is encoded in ASCII, it is converted to EBCDIC before processing.

This enhancement is already available through PTFs for versions 7.4 and 7.5. See the fourth quarter 2022 newsletter for details.

## Monitor type *DIR3 supported by the Start Monitor (STRMONOND) command

An additional type of monitor has been added to handle the new file extensions that are now allowed by the Add Report (ADDRPTOND) command. This new monitor type is specified by using the TYPE(*DIR3) parameter on the Start Monitor (STRMONOND) command.

A directory monitor of type *DIR3 can process files with the following extensions: .afp, .lin, .line, .txt, and .pdf.

This enhancement is already available through PTFs for versions 7.4 and 7.5. See the fourth quarter 2022 newsletter for details.

## Default job names when submitting commands to batch

What default job names are used when submitting Content Manager OnDemand for i commands to batch with the Job name (JOBNAME) parameter set to *DFT?

### Question

In V7.6 of Content Manager OnDemand for i, some of the default job names that are used when submitting commands to batch with the Job name (JOBNAME) parameter set to *DFT changed from previous releases. Where can I find a list of those default job name values?

### Answer

The following table contains a list of the Content Manager OnDemand for i commands that have a Job name (JOBNAME) parameter, and the value that is used if JOBNAME(*DFT) is specified.

| Command | JOBNAME(*DFT) value used |
|---|---|
| **ADDDOCOND** | ADDDOC |
| **ADDRPTOND** | ADDRPT |
| **CRTINSTOND** | CRTINST<br>In V7.5 and earlier, the default value is CRTINSTOND. |
| **MRGSPLFOND** | MRGSPLF |
| **PRTDOCOND** | PRTDOC |
| **PRTRPTOND** | PRTRPT |
| **PRTTXTOND** | PRTTXT |
| **QRYDOCOND** | QRYDOC |
| **RMVRPTOND** | RMVRPT |
| **RTVDOCOND** | RTVDOC |
| **STRASMOND** | The first 10 characters of the policy name that is specified in the POLICY parameter are used as the job name. If the policy name that is specified is *ALL, the job name is ASM.<br><br>In V7.5 and earlier, the default value is ASM. |
| **STRDSMOND** | The first 10 characters of the application group name that is specified in the APPGRP parameter are used as the job name. If the application group name that is specified is *ALL, the job name is DSM.<br><br>In V7.5 and earlier, the default value is DSM.<br><br>The STRDSMOND command has another parameter, ASM job name (ASMJOBNAME). The ASMJOBNAME parameter provides the capability to specify a different ASM job name from the default, which is the policy name. Allowable values for the ASMJOBNAME parameter are the same as for the job name parameter on the STRASMOND command.<br><br>In V7.5 and earlier, the default value is ASM.. |
| **STRIMPOND** | STRIMP |
| **STRMONOND** | If the value that is specified for the TYPE parameter is *OUTQ, the monitor job name is the same as the output queue name that is specified for the OUTQ parameter.<br><br>In V7.5 and earlier, the default value is MONOUTQ.<br><br>If the value that is specified for the TYPE parameter is *DIR, *DIR2, or *DIR3, the monitor job name consists of the characters immediately after the last slash (/) in the value of the DIR parameter, up to a maximum of 10 characters.  Characters in the directory name that are not valid for a job name are replaced with $ (first position) or _ (subsequent positions).<br><br>In V7.5 and earlier, the default value is MONDIR. |
| **UPDDOCOND** | UPDDOC |

## QIBM_RUN_UNDER_USER_NO_AUTH function usage ID

Certain functions of Content Manager OnDemand for i will not work if you add the instance user profile or the QRDARS400 user profile to the IBM i QIBM_RUN_UNDER_USER_NO_AUTH function usage ID with the denied option. Function usage is controlled by using IBM Navigator for i or the Change Function Usage (CHGFCNUSG) command.

For example, if you set the usage of the instance user profile named QUSROND to denied by doing one of the following:

### Command

```
CHGFCNUSG FCNID(QIBM_RUN_UNDER_USER_NO_AUTH) USER(QUSROND)
    USAGE(*DENIED)
```

### IBM Navigator for i



then certain Content Manager OnDemand for i functions will fail. The job log of the failing function will contain messages such as:

```
CPF4AF1 Operation not allowed for user profile QUSROND. User
    profile QUSROND is denied access to the
    QIBM_RUN_UNDER_USER_NO_AUTH function usage ID. The user profile
    is not allowed to be the target user for the requested
    operation.
```

For this reason, you must not add any of your instance user profiles or the QRDARS400 user profile to the QIBM_RUN_UNDER_USER_NO_AUTH function usage ID with a usage option of denied.

See the IBM i V7.6 documentation QIBM_RUN_UNDER_USER_NO_AUTH function usage ID for more information.

# Additional Information

## Documentation

Content Manager OnDemand for Multiplatforms Documentation

Content Manager OnDemand for z/OS Documentation

Content Manager OnDemand for i Documentation

Content Navigator Documentation

## Publication Libraries - PDF versions of the documentation

| Multiplatforms | Version 10.5 | | |
|---|---|---|---|
| z/OS | Version 10.5 | | |
| IBM i | Version 7.4 | Version 7.5 | Version 7.6 |

## More Enterprise Content Management web sites

IBM Content Manager OnDemand Product Overview

Compatibility Matrix for the Content Manager OnDemand clients and servers

Hardware and software requirements for all versions of Content Manager OnDemand

IBM Software Support Lifecycle Policies (search for Content Manager OnDemand)

## OnDemand User Group

The primary objective of the OnDemand User Group (ODUG) is to create an environment and network encouraging the exchange and development of information regarding Content Manager OnDemand and its associated products.

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