IBM

Read This First

for Version 7.5

Notice

This document applies to IBM Content Manager OnDemand for i, Version 7.5, Program Number 5770-RD1, for all language feature codes. The information in this document supplements the current version of available product publications for this release.

Date last updated: *August 28, 2023*

Read This First

Before you install IBM Content Manager OnDemand for i V7.5 or apply PTFs that update your existing version 7.5 software, you should **read this document**, which contains additional information that you need to know.

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SUMMARY OF CHANGES

This document is a frequently updated Read This First document for Content Manager OnDemand for i V7.5. It contains new and changed information related to the topics listed.

August 28, 2023 edition:

- New server version (10.5.0.7) available August, 2023
- SSL support enhanced at server version 10.5.0.7
- Important UTF-8 (Unicode) encoding considerations
- *Updated* Warning for customers running in High Availability (HA) replicated environments to point directly to whitepaper for details and requirements

April 21, 2023 edition:

- Notice to customers when database file changes occur in PTFs
- *Updated* all server version upgrade topics to change cumulative PTF package requirements from "must" to "recommended"

February 3, 2023 edition:

- New server version (10.5.0.6) available February, 2023

September 1, 2022 edition:

- *Updated* New server version (10.5.0.5) available July, 2022 to include CLASSPATH and LIBPATH requirements

July 25, 2022 edition:

- New server version (10.5.0.5) available July, 2022

June 27, 2022 edition:

- *Updated* New Content Manager OnDemand component for IBM Navigator for i to include additional functions now available
- *Updated* Restarting the IBM Navigator for i server after installing Content Manager OnDemand for i V7.5 or installing PTFs

May 10, 2022 edition:

- General Availability (GA) version of this document

IMPORTANT NOTICES for All Customers

GENERAL INFORMATION

Planning an upgrade? How to obtain your Content Manager OnDemand software

Content Manager OnDemand (licensed program product number 5770-RD1) is not sent on the media that you receive with operating system upgrades. The product is available from the Passport Advantage web site, where it can be downloaded. You must be Passport Advantage-entitled to the 5770-RD1 product (via your software subscription) before you can download it.

For detailed instructions regarding the process of obtaining and installing the software, review the information at www.ibm.com/support/pages/node/6573273 or at www.ibm.com using "ibm 6573273" (without the quotes) as search criteria. It is highly recommended that you print and review the PDF file provided for instructions on installing the software.

Getting current on PTFs

It is imperative that you load and apply all Content Manager OnDemand PTFs that relate to the product options you have installed. Some V7.5 PTFs will be created after the cutoff date for the general availability (GA) cumulative PTF package, and therefore there will be critical PTFs that you are missing until you load and apply all current PTFs (above and beyond what is included in the cumulative package).

A Content Manager OnDemand for i PTF group is available to simplify ordering PTFs. When you order the PTF group for your release, the current server upgrade PTFs for that release, plus any prerequisite and corequisite PTFs, will be downloaded to your system. The PTFs will not be applied; you can apply them at any time after they are downloaded. PTF groups can be ordered using IBM Fix Central, or using the Send PTF Order (SNDPTFORD) command. The PTF group for V7.5 is SF99669. Because installing a PTF group for Content Manager OnDemand for i will typically result in a change to the server version on your system, you should review this Read This First document in its entirety for important information regarding the most recent server upgrade.

You should also review the list of non-superseded Content Manager OnDemand V7.5 PTFs (described below) to determine if any individual PTFs are required, in addition to the PTF group.

The availability of PTF groups does not preclude Content Manager OnDemand for i PTFs from being included in cumulative PTF packages.

It is also important to stay current on Db2, HTTP Server, and Java PTFs since many of the Content Manager OnDemand functions rely on them. One easy way to stay current is to apply the PTF groups for these products. The V7.5 PTF group for Db2 is SF99950; the PTF group for HTTP Server is SF99952; the PTF group for Java is SF99955. These group PTFs can be ordered from Fix Central or ordered by using the Send PTF Order (SNDPTFORD) command with the PTF identifier (PTFID) parameter set to *DB2GRP, *JVAGRP, or *HTTPGRP respectively. For example: SNDPTFORD PTFID((*DB2GRP) (*JVAGRP) (*HTTPGRP))

Notice to customers when database file changes occur in PTFs

Database changes do not occur very often as part of Content Manager OnDemand for i software updates released as PTFs. However, effective March 24, 2023 and beyond, if a Content Manager OnDemand for i PTF is released that contains database changes, the database changes will be explicitly noted in the PTF cover letter in the Special Instructions section. This information is of particular value to customers who use High Availability (HA) software that requires that the databases on the source and target systems are identical.

List of Content Manager OnDemand V7.5 PTFs

A support document is available that contains a list of PTFs along with other important PTF-related information for Content Manager OnDemand for i V7.5. You can review this document at www.ibm.com/support/pages/node/6555380 or at www.ibm.com using "ibm 6555380" (without the quotes) as search criteria.

Updated Content Manager OnDemand client software recommended

It is recommended that you install the latest version of the OnDemand Administrator and end-user OnDemand client software on all workstations that use Content Manager OnDemand.

To download the OnDemand clients, follow the instructions provided at www.ibm.com/support/pages/node/409237 or at www.ibm.com using "ibm 409237" (without the quotes) as search criteria. Both the OnDemand Administrator and end-user OnDemand clients, as well as the OnDemand Monitor client used with Content Manager OnDemand Distribution Facility (ODF),

are packaged together in a file named odwin32.zip (32-bit clients) or odwin64.zip (64-bit clients). Download the file from the FTP site and then unzip it into a temporary directory. Then double click the setup.exe file and follow the instructions on the resulting panels.

Do not switch back and forth between different OnDemand Administrator client versions

You should not use different versions of the OnDemand Administrator client to work with objects on a particular Content Manager OnDemand server. For example, Content Manager OnDemand objects created with the 10.5.0.x OnDemand Administrator client might not be backward compatible with the older 10.1.0.x OnDemand Administrator client.

While IBM does support backward compatibility at certain versions using the OnDemand Administrator client, it is not recommended to switch back and forth between versions against a particular server. The recommended way to manage OnDemand Administrator client updates is to upgrade to the later version of the OnDemand Administrator client and continue using this version to maintain existing objects and to create new objects on a particular server. Once an upgrade occurs, previous versions of the OnDemand Administrator client should not be used with that server.

Start each instance server separately after server upgrade or new release installation

The first time you start your Content Manager OnDemand servers after a server upgrade or new release installation, you should start each instance's server individually. After the first server starts, test the storing and viewing of data to ensure that no problems exist. Then start a second server, and perform the same tests. If you have a test instance and a production instance defined, you might consider working with the test instance first. This approach will greatly reduce the time it takes to resolve any issues that might arise that are unique to your environment.

Warning for customers running in High Availability (HA) replicated environments

If you are running Content Manager OnDemand in a High Availability (HA) environment, it is critical that you understand the requirements for both the source and target systems. Important details on this subject can be found on the web at www.ibm.com/support/pages/node/88151 or at www.ibm.com using "ibm 88151" (without the quotes) as search criteria. You should not run Content Manager OnDemand in a High Availability environment without first reading this important information.

Important information for previous users of Spool File Archive (the predecessor product to Content Manager OnDemand Common Server)

Content Manager OnDemand for i V7.4 was the last release to include Spool File Archive Report Management Cycle (RMC) functionality. RMC was used to manage data that had been archived in Spool File Archive (SFA) that had not yet been migrated to the Archived Storage Manager ASM) of Content Manager OnDemand Common Server.

Two commands that were previously used to manage Spool File Archive data are no longer available in Content Manager OnDemand for i V7.5. The Start Report Management Cycle (STRRMCRDAR) and Migrate Media (MGRMEDRDAR) commands had been provided to assist with managing and migrating from Spool File Archive to the Archived Storage Manager (ASM) of Common Server. These commands are no longer available in Content Manager OnDemand for i V7.5.

Before upgrading to Content Manager OnDemand V7.5, all Spool File Archive data that has not already been migrated to Common Server must be migrated or you will lose access to that data.

If you migrated from Spool File Archive to Common Server by respooling your data and archiving it directly into Common Server or if you used the Media Migration Facility (MMF; the Migrate Media (MGRMEDRDAR) command) to migrate your Spool File Archive data such that it is now under the control of ASM, this information does not impact you. If you never implemented Spool File Archive, but instead implemented Common Server at V5.1 or later, this information does not impact you. In any of those cases, you are not affected by the removal of RMC functionality in Content Manager OnDemand for i V7.5. The removal of RMC functionality only impacts you if you have not migrated your Spool File Archive data to Common Server.

For more information on how to use the Media Migration Facility and the Migrate Media (MGRMEDRDAR) command to migrate your Spool File Archive data to ASM before upgrading to V7.5, see the documentation on the web at www.ibm.com/support/pages/node/318763 or at www.ibm.com using "ibm 318763" (without the quotes) as search criteria. If you have further questions, contact IBM support in your geography.

ODWEK Java API users need to update CLASSPATH and LIBPATH

Customer applications that are using the Content Manager OnDemand Web Enablement Kit (ODWEK) Java API need to ensure that the CLASSPATH and LIBPATH values are set correctly for the application. For details, see the Content Manager OnDemand Web Enablement Kit Implementation Guide topic titled "Setting up the development environment" at www.ibm.com/docs/cmofi/7.5.0?topic=applications-setting-up-development-environment.

Important UTF-8 (Unicode) encoding considerations

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. Care should be taken when working with an instance with UTF-8 database files due to particular requirements that apply only to UTF-8 data. For example, when storing index field values in a UTF-8 instance, some characters use more than one byte. The OnDemand Administrator client makes it easier to handle these increased field lengths, as described in the document at www.ibm.com/support/pages/node/7017512 or at www.ibm.com using "ibm 7017512" (without the quotes) as search criteria. The document also includes information about other UTF-8 requirements.

SSL support enhanced at server version 10.5.0.7

Previous implementations of SSL with Content Manager OnDemand for i required the SSL password to be included in the ARS.INI configuration file. At server version 10.5.0.7 and later, Content Manager OnDemand for i provides the capability to implement SSL by using an application defined to the IBM Digital Certificate Manager for i (DCM), which eliminates the need for the password in the ARS.INI file.

New SSL implementations can be configured by using this new method, and existing SSL implementation can be reconfigured so that you are no longer required to have your SSL password in the ARS.INI file. The reconfiguration of existing implementations is done entirely on the IBM i server. Your OnDemand Client and OnDemand Administrator Windows clients do not require any changes.

Content Manager OnDemand server version 10.5.0.7 is required. The 2Q2023 Java and HTTP PTF groups are also required. The minimum PTF group levels are listed in the following table.

Content Manager OnDemand PTF Group	Java PTF Group	HTTP PTF Group
SF99669 - 6	SF99955 - 5	SF99952 - 9

Additional details can be found at www.ibm.com/support/pages/node/595101 or at www.ibm.com using "ibm 595101" (without the quotes) as search criteria.

SERVER UPGRADE TO 10.5.0.7

New server version (10.5.0.7) available August, 2023

A new version of the Content Manager OnDemand server software is now available via PTFs for your IBM i system. Content Manager OnDemand (program product 5770-RD1) PTFs SI84293, SI84295, SI84296, and SI84299 for V7.5 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI84297 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI84298 (or its superseding PTF) for PDF Indexer. It is recommended that you also have operating system (5770-SS1) cumulative PTF package C3110750, or higher, applied to run server version 10.5.0.7.

Note: Server versions 10.5.0.4 and later include remediation for log4j security vulnerabilities related to CVE-2021-44228, CVE-2021-44832, CVE-2021-45046, and CVE-2021-45105.

Content Manager OnDemand Web Enablement Kit (ODWEK) Java API users need to update the CLASSPATH and LIBPATH environment variables after upgrading to the 10.5.0.5 or later server version. The ODWEK Java API (ODApi.jar) has dependencies on gson and log4j. At the 10.5.0.7 server version, those jar files are now at the following levels:

- gson-2.10.1.jar
- log4j-api-2.20.0.jar
- log4j-core-2.20.0.jar

It is also very important to note that, if you are upgrading from a server version prior to 10.5.0.0 (such as 10.1.x.x), you should review all of the 10.5.0.0 topics below that are also true at 10.5.0.7. Carefully note the minimum server version requirements for 10.5.0.0, which are also true for 10.5.0.7. If you are reading this document as part of the process of upgrading to version 7.5 and are currently at version 7.3 or 7.4, you should also read the Read This First document for your current release, which can be found on the web at www.ibm.com/support/pages/node/82189 or at www.ibm.com using "ibm 82189" (without the quotes) as search criteria.

Review the **Important server upgrade considerations for Content Manager OnDemand for i** provided at www.ibm.com/support/pages/node/434081 or at www.ibm.com using "ibm 434081" (without the quotes) as search criteria. Information regarding the changes included with the 10.5.0.7 server version can be found in the Content Manager OnDemand for Multiplatforms 10.5.0.7 fix pack readme files at www.ibm.com/support/pages/node/7006899 or at www.ibm.com using "ibm 7006899" (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 10.5.0.7 fix pack readme files affect the Content Manager OnDemand for i platform.

SERVER UPGRADE TO 10.5.0.6

New server version (10.5.0.6) available February, 2023

A new version of the Content Manager OnDemand server software is now available via PTFs for your IBM i system. Content Manager OnDemand (program product 5770-RD1) PTFs SI82352, SI82356, and SI82357 for V7.5 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI82358 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI82359 (or its superseding PTF) for PDF Indexer. It is recommended that you also have operating system (5770-SS1) cumulative PTF package C2321750, or higher, applied to run server version 10.5.0.6.

Note: Server versions 10.5.0.4 and later include remediation for log4j security vulnerabilities related to CVE-2021-44228, CVE-2021-44832, CVE-2021-45046, and CVE-2021-45105.

Content Manager OnDemand Web Enablement Kit (ODWEK) Java API users need to update the CLASSPATH and LIBPATH environment variables after upgrading to the 10.5.0.5 or later server version. The ODWEK Java API (ODApi.jar) has dependencies on gson and log4j. At the 10.5.0.6 server version, those jar files are now at the following levels:

- gson-2.10.1.jar
- log4j-api-2.19.0.jar
- log4j-core-2.19.0.jar

It is also very important to note that, <u>if you are upgrading from a server version prior to 10.5.0.0</u> (such as 10.1.x.x), you should review all of the 10.5.0.0 topics below that are also true at 10.5.0.6. Carefully note the minimum server version requirements for 10.5.0.0, which are also true for 10.5.0.6. If you are reading this document as part of the process of upgrading to version 7.5 and are currently at version 7.3 or 7.4, you should also read the Read This First document for your current release, which can be found on the web at www.ibm.com/support/pages/node/82189 or at www.ibm.com using "ibm 82189" (without the quotes) as search criteria.

Review the **Important server upgrade considerations for Content Manager OnDemand for i** provided at www.ibm.com/support/pages/node/434081 or at www.ibm.com using "ibm 434081" (without the quotes) as search criteria. Information regarding the changes included with the 10.5.0.6 server version can be found in the Content Manager OnDemand for Multiplatforms 10.5.0.6 fix pack readme files at www.ibm.com/support/pages/node/6852841 or at www.ibm.com using "ibm 6852841" (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 10.5.0.6 fix pack readme files affect the Content Manager OnDemand for i platform.

SERVER UPGRADE TO 10.5.0.5

New server version (10.5.0.5) available July, 2022

A new version of the Content Manager OnDemand server software is now available via PTFs for your IBM i system. Content Manager OnDemand (program product 5770-RD1) PTFs SI80702 and SI80703 for V7.5 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI80704 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI80705 (or its superseding PTF) for PDF Indexer. It is recommended that you also have operating system (5770-SS1) cumulative PTF package C2104750, or higher, applied to run server version 10.5.0.5.

Note: Server versions 10.5.0.4 and later include remediation for log4j security vulnerabilities related to CVE-2021-44228, CVE-2021-44832, CVE-2021-45046, and CVE-2021-45105.

Content Manager OnDemand Web Enablement Kit (ODWEK) Java API users need to update the CLASSPATH and LIBPATH environment variables after upgrading to the 10.5.0.5 server version. The ODWEK Java API (ODApi.jar) has dependencies on gson and log4j. At the 10.5.0.5 server version, those jar files are now at the following levels:

- gson-2.9.0.jar
- log4j-api-2.18.0.jar
- log4j-core-2.18.0.jar

It is also very important to note that, <u>if you are upgrading from a server version prior to 10.5.0.0</u> (such as 10.1.x.x), you should review all of the 10.5.0.0 topics below that are also true at 10.5.0.5. Carefully note the minimum server version requirements for 10.5.0.0, which are also true for 10.5.0.5. If you are reading this document as part of the process of upgrading to version 7.5 and are currently at version 7.3 or 7.4, you should also read the Read This First document for your current release, which can be found on the web at www.ibm.com/support/pages/node/82189 or at www.ibm.com using "ibm 82189" (without the quotes) as search criteria.

Review the **Important server upgrade considerations for Content Manager OnDemand for i** provided at www.ibm.com/support/pages/node/434081 or at www.ibm.com using "ibm 434081" (without the quotes) as search criteria. Information regarding the changes included with the 10.5.0.5 server version can be found in the Content Manager OnDemand for Multiplatforms 10.5.0.5 fix pack readme files at www.ibm.com/support/pages/node/6571967 or at www.ibm.com using "ibm

6571967" (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 10.5.0.5 fix pack readme files affect the Content Manager OnDemand for i platform.

VERSION 7.5 GENERAL AVAILABILITY (GA)

What's New in V7.5

Many new enhancements have been added to version 7.5 of Content Manager OnDemand for i.

- **New command to list AFP resources in a spooled file** (provided by PTF in V7.3 and V7.4)

  The new Display Resource List (DSPRSCLOND) command is provided to list the AFP resources that are used in a spooled file. See online help for the command for more details.

- **New commands to add a document and update indexes for a document** (provided by PTF in V7.3 and V7.4)

  Two new commands are available as user-friendly interfaces to the ADD and UPDATE functions of the ARSDOC API. The commands are Add Document (ADDDOCOND) and Update Document (UPDDOCOND). See online help for the new commands for more details.

- **Create Instance (CRTINSTOND) command enhancement** (provided by PTF in V7.3 and V7.4)

  The Create Instance (CRTINSTOND) command is enhanced to support the configuration of SSL during the creation of an instance. See online help for the Use SSL (USESSL), SSL port number (SSLPORT), SSL key file (SSLKEYF), SSL key file password (SSLKEYPWD), SSL key file label (SSLKEYLBL), and Client use SSL (CLNTUSESSL) parameters of the command for more information.

- **Add Report (ADDRPTOND) command enhancement** (provided by PTF in V7.3 and V7.4)

  The Add Report (ADDRPTOND) command is enhanced to support the automatic generation of the trace file name. See online help for the *GEN value of the Trace stream file (TRCSTMF) parameter of the command for more information.

- **Start Monitor (STRMONOND) command enhancement** (provided by PTF in V7.3 and V7.4)

  The Start Monitor (STRMONOND) command is enhanced to support ending the monitor if an error limit is reached. See online help for the Limit monitor errors (LMTERR) and Monitor error limit (LMTTYPE) parameters of the command for more information.

- **Change Policy Level Date (CHGPLDOND) command enhancement** (provided by PTF in V7.3 and V7.4)

  The Change Policy Level Date (CHGPLDOND) command has been enhanced to allow the next level date to be changed based on the old date plus or minus a specific number of days. See online help for the *DAYS value of the Processing option (OPTION) parameter and the Number of days (DAYS) parameter of the command for more information.

- **New Content Manager OnDemand component for IBM Navigator for i**

  IBM Navigator for i is recreated in IBM i V7.5 with a new framework and user interface that replaces the previous version of IBM Navigator for i. The Content Manager OnDemand component of IBM Navigator for i has been modernized to take advantage of the new design and technology.

- **Support for converting SCS and AFPDS spooled files to PDF during load time**

  The Add Report (ADDRPTOND) command now supports the ability to convert an input spooled file from SCS or AFPDS to PDF before indexing and loading into Content Manager OnDemand. Subsequent retrievals of the archived data are displayed and printed as PDF. The new support requires IBM Transform Services for i licensed program product (5770-TS1).

- **New transforms for Content Manager OnDemand Web Enablement Kit (ODWEK) and Content Manager OnDemand Distribution Facility (ODF)**

  Three transforms are now supported by Content Manager OnDemand Web Enablement Kit (ODWEK) and Content Manager OnDemand Distribution Facility (ODF) to enable archived data to be converted to PDF as it is sent to the viewer or printer. Support is provided for IBM i SCS to PDF, IBM i SCS-Extended to PDF, and IBM i AFP to PDF transforms. The new support requires IBM Transform Services for i licensed program product (5770-TS1).

- **Archived Storage Manager (ASM) support for NFS version 4** (provided by PTF in V7.3 and V7.4)

  The Content Manager OnDemand for i Archived Storage Manager (ASM) now supports using NFS version 4.

- **Maximum lines per page increased for 400 indexer** (provided by PTF in V7.3 and V7.4)

  The maximum number of lines per page has been increased from 512 to 1024 in the 400 indexer.

- **New cloud storage options available**

    The Content Manager OnDemand Archived Storage Manager (ASM) now supports additional cloud storage options. The new support requires IBM Cloud Storage Solutions for i licensed program product (5733-ICC).

The Content Manager OnDemand server version included in the V7.5 general availability cumulative PTF package is 10.5.0.4. Various considerations for upgrading to server version 10.5.0.4, such as client and server compatibilities, are included elsewhere in this document.

If you are not already running server version 10.5.x.x prior to upgrading to V7.5, some of the enhancements that have been added at server version 10.5 are:
- **HTML5 line data viewer with graphical annotations**
- **Single sign-on support for IBM Content Navigator**
- **Lightweight Directory Access Protocol (LDAP) synchronization tool to synchronize users and group definitions from directory servers**
- **ARSXML schema file location changes**
- **New diagnostic logging at the Java layer for ODWEK Java API**
- **Content Manager OnDemand V10.5 deprecates or removes the following functions previously supported:**
    - Java line data viewer applet
    - AFP viewer browser plug-in
    - -s parameter of ARSXML EXPORT
    - Ad hoc CD-ROM mastering and Production Data Distribution (PDD) CD-ROM mastering

The complete list of enhancements is available on the web at www.ibm.com/support/pages/node/590033 or at www.ibm.com using "ibm 590033" (without the quotes) as search criteria.

Additional information regarding the changes included with the 10.5.0.4 server version can be found in the Content Manager OnDemand for Multiplatforms 10.5.0.4 fix pack readme files at www.ibm.com/support/pages/node/6541020 or at www.ibm.com using "ibm 6541020" (without the quotes) as search criteria. Note that not all of the changes documented in the Content Manager OnDemand for Multiplatforms 10.5.0.4 fix pack readme files apply to Content Manager OnDemand for i.

New Content Manager OnDemand component for IBM Navigator for i

IBM Navigator for i has been recreated in IBM i V7.5 with a new framework and user interface that replaces the previous version of IBM Navigator for i. The Content Manager OnDemand component of IBM Navigator for i has been modernized to take advantage of the new design and technology.
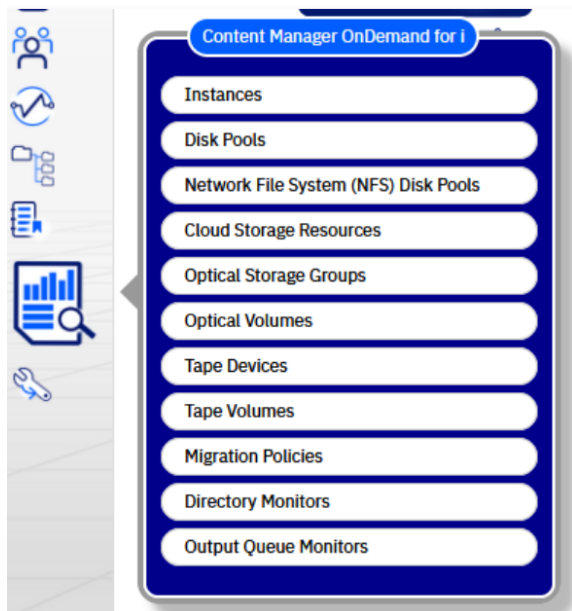
After installing Content Manager OnDemand for i V7.5, look for the new icon in IBM Navigator for i and click to get started with administration of storage management objects such as migration policies and various archive media definitions, as well as output

queue and directory monitor definitions. If you don't see the new icon, see [Restarting the IBM Navigator for i server after installing Content Manager OnDemand for i V7.5 or installing PTFs](#).

Note that some functions of the new Content Manager OnDemand component are not yet available. If you click on an item that is not yet available, you will receive a message that indicates "Requested function is planned but not yet available". Future PTF(s) will enable support for these items. This Read This First topic will be updated when the PTF(s) become available.

Update - June 27, 2022: PTF SI80383 for Content Manager OnDemand for i (5770-RD1) and PTF SI79801 for IBM i (5770-SS1) are now available to add support for additional Content Manager OnDemand functions.

Monitor user exit program processing enhancements

Content Manager OnDemand for i V7.5 includes enhanced control of monitor user exit program processing that you might have already implemented before upgrading to V7.5. These enhancements were also provided by PTF in V7.3 and V7.4.

In previous versions, a data area named QRLMMONQ was used to enable the use of ILE programs for attribute-specific monitor exits, which prevented the unintended use of an ILE program in the monitor's library list. There are now two options for using ILE programs. Both of these options use the data area named QRLMMONEXT. The QRLMMONQ data area is no longer used. You must set up the QRLMMONEXT data area to control the use of ILE programs for attribute-specific monitor exits. Additional capabilities are also provided with the QRLMMONEXT data area. See the Content Manager OnDemand for i Administration Guide topic titled "Output queue or directory monitor user exit program" for details at www.ibm.com/docs/en/cmofi/7.5.0?topic=reference-output-queue-directory-monitor-user-exit-program.

Message IDs changing

Content Manager OnDemand commands previously issued a variety of messages during processing that might be monitored or reviewed to determine the cause of a failure. On V7.5, the number of messages has been reduced, in most cases, to simplify the monitoring of failures. For example, in previous releases, the Add Report (ADDRPTOND) command might issue one or more of seven messages if an error occurred. On V7.5, the command issues message OND0211 - ADDRPTOND command ended in error. If message OND0211 is issued or detected by the Monitor Message (MONMSG) command, you can then look at other messages in the job log to determine the cause of the failure.

If you are currently monitoring for messages in any CL programs, job schedulers, or autostart job entries, you should review the complete list of new and changed messages in the technical document at www.ibm.com/support/pages/node/6494771.

In addition, if a failure occurs for any Content Manager OnDemand command with a Submit job parameter set to *YES (SBMJOB(*YES)), the command now issues message OND1338 – Errors occurred on SBMJOB command. In previous releases, the message ID was CPF1338. (Note the OND prefix replaces the CPF prefix.) If you are currently monitoring for message CPF1338 in any CL programs, job schedulers, or autostart job entries, you should now monitor for message OND1338 instead.

Start instance server (STRSVR) parameter of the Start Archived Storage Management (STRASMOND) command no longer valid

The Start instance server (STRSVR) parameter of the Start Archived Storage Management (STRASMOND) command has been removed. As reflected in the help text, this parameter has not been functional since 2014 when an enhancement was added that stores the ASM reports into the system log, which requires the server to be started automatically if it is not already started. You must remove the STRSVR parameter from any CL programs, job schedulers, or autostart job entries on your system or the STRASMOND command will fail after you upgrade to V7.5.

Output queues in the QRDARS library no longer exist

All output queues that previously existed in the QRDARS library no longer exist in Content Manager OnDemand for i V7.5. The output queues with the same name that exist in the QUSRRDARS library are used instead. If you have any spooled files in any output queues in the QRDARS library when you upgrade to V7.5, the installation program will copy them to the QUSRRDARS version of the output queues and then delete the output queues in QRDARS. If you are placing any spooled files in output queues in library QRDARS in your own custom programs, you must change your programs to place the spooled files in the output queues in QUSRRDARS instead.

Job description QRDARS400 no longer exists

Job description QRDARS400 no longer exists in Content Manager OnDemand for i V7.5. Job description QOND400 is used instead. Any programs, job scheduler entries, or autostart job entries on your system that use the QRDARS400 job description must be changed to use the QOND400 job description or the jobs will fail after you upgrade to V7.5.

User profiles QRDARSADM, QRDARS4001, QRDARS4002, QRDARS4003, QRDARS4004, and QRDARS4005 no longer used

During the installation of Content Manager OnDemand for i V7.5, the installation program will reassign all QRDARSADM group or supplemental group members to the QONDADM group profile. The program will also change object ownership for any objects owned by QRDARSADM, QRDARS4001, QRDARS4002, QRDARS4003, QRDARS4004, and QRDARS4005 to be owned by QONDADM. If all of the changes are performed successfully by the program, it will then delete user profiles QRDARSADM, QRDARS4001, QRDARS4002, QRDARS4003, QRDARS4004, and QRDARS4005. If the installation program is unable to successfully perform any of the updates and deletions, you should manually make these changes as described in the following paragraphs. After completing your upgrade to Content Manager OnDemand for i V7.5, check for the existence of any of the user profiles. If any of them exist, then some or all of the changes were not successful.

Prior to your upgrade to V7.5, you might want to make some or all of these changes manually if you do not want the installation program to make these changes for you. User profiles that have QRDARSADM specified as a group profile or supplemental group should be changed to specify QONDADM as a group profile or supplemental group. If any objects exist on your system that are owned by QRDARSADM, QRDARS4001, QRDARS4002, QRDARS4003, QRDARS4004, or QRDARS4005, you should change the object owner to QONDADM unless you have a specific reason to change the object owner to a different user profile. After these changes have been made, the QRDARSADM, QRDARS4001, QRDARS4002, QRDARS4003, QRDARS4004, and QRDARS4005 user profiles can be deleted from your system.

Regardless of whether the installation program makes these changes or you make them manually, you must change any jobs that run under user profile QRDARSADM to run under user profile QONDADM or they will fail.

Note: If you first began using Content Manager OnDemand for i at V7.5, you will not have user profiles QRDARSADM, QRDARS4001, QRDARS4002, QRDARS4003, QRDARS4004, and QRDARS4005 on your system. If you upgraded from a release earlier than V7.5, these user profiles might exist on your system.

ARSXML schema file location changes

The ARSXML batch administration program no longer locates the ondemand.xsd schema file based on the xsi:noNamespaceSchemaLocation attribute in the input XML file. The noNamespaceSchemaLocation attribute is ignored and no longer needed. Instead, the ondemand.xsd file is shipped and must remain in the /QIBM/ProdData/OnDemand/xml IFS directory. In addition, the -s parameter used with the ARSXML EXPORT function to specify the schema location is no longer needed and is removed. If the -s parameter is specified, an error message is issued. These changes were released at Content Manager OnDemand server version 10.5 which is the minimum server version that is supported with Content Manager OnDemand for i V7.5.

Software prerequisites for Content Manager OnDemand for i V7.5

Software prerequisites for IBM Content Manager OnDemand for i V7.5 server software running on IBM i can be found at https://www.ibm.com/software/reports/compatibility/clarity/osForProduct.html. Search for "Content Manager OnDemand for i" and then specify Version 7.5 and click the **Submit** button. Under the **Available Reports** heading, click the **Detailed system requirements** link to view the specific prerequisite information.

Some of the more recent additions to the software prerequisites include the following:

Note that a number of functions require Java (IBM Developer Kit for Java; 5770-JV1) or Portable Application Solutions Environment (PASE; 5770-SS1 option 33), so both of these products are considered prerequisites of Content Manager OnDemand for i.

If you use the PDF indexer, then the Additional Fonts operating system product option (5770-SS1 option 43) and IBM Portable Utilities for i (5733-SC1 option *BASE and option 1) is also required.

If you plan to use the new cloud storage support for archive media for your Content Manager OnDemand documents, then IBM Cloud Storage Solutions for i (5733-ICC option *BASE and option 1) is required.

If you plan to use the new Add Report (ADDRPTOND) command enhancement to convert an input spooled file from SCS or AFPDS to PDF before indexing and loading, then IBM Transform Services for i (5770-TS1 option *BASE and option 1) is required.

If you plan to use the new Content Manager OnDemand Web Enablement Kit (ODWEK) or Content Manager OnDemand Distribution Facility (ODF) transforms to enable archived data to be converted to PDF as it is sent to the viewer or printer, then IBM Transform Services for i (5770-TS1 option *BASE and option 1) is required.

Content Manager OnDemand for i V7.5 product options

The individual product options for V7.5 (which install separately) are as follows:

- ***BASE -** IBM Content Manager OnDemand for i (required for all others)

*BASE includes Content Manager OnDemand Common Server and Content Manager OnDemand Web Enablement Kit (ODWEK). This option also includes the IBM Navigator for i - Content Manager OnDemand component.

- **12** - PDF Indexer (optional)
- **14** - Enhanced Retention Management (optional)
- **15 -** OnDemand Distribution Facility (optional)

Full text indexing support is also available for use with Content Manager OnDemand for i V7.5.

Important: If product option 13 (Content Manager OnDemand AFP Transforms) exists on your system, it is not deleted, but it is no longer available as a Content Manager OnDemand for i product option. If you do not have product option 13 and are interested in purchasing an Advanced Function Presentation (AFP) transform, you must contact your preferred transform vendor directly.

You must be running Content Manager OnDemand server version 10.1.0.4 or later prior to upgrading to V7.5

If you are upgrading from a previous release of Content Manager OnDemand, you must be running Content Manager OnDemand server version 10.1.0.4 or later prior to upgrading to Content Manager OnDemand for i V7.5. You can determine your current server version by using either one of the following methods:

- Log on to either the OnDemand Administrator or OnDemand end-user client. Once logged on, the server version is shown on the message line in the lower right portion of the panel.
- Log on to your IBM i server. Start qshell by using the QSH command. Once qshell is started, enter ARSDOC (with no additional parameters) on the qshell command line. The server version is displayed along with other information about the ARSDOC API.

Your end-users must be running OnDemand clients (end-user Windows client, ODWEK) version 9.5.0.0 or later after upgrading to V7.5

Server version 10.5.0.4 (which is the server version shipped with Content Manager OnDemand for i V7.5) does not support OnDemand client software prior to version 9.5.0.0. This includes, but is not limited to, the OnDemand Windows® (end-user) client and ODWEK Java APIs. Note that the ODWEK CGI and Servlet are not shipped with server version 10.5. You should migrate your web access to ICN prior to upgrading to V7.5, which ships with server version 10.5.0.4.

Your end-users running OnDemand clients (end-user Windows client, ODWEK) at 10.5.0.x will only be able to access a 9.5.0.0 or later Content Manager OnDemand server.

The 10.5.0.x versions of the OnDemand clients (such as the end-user Windows client and ODWEK) will only work against a 9.5.0.0 or later Content Manager OnDemand server. Therefore, it is important to note that, if you have multiple systems in your network that run Content Manager OnDemand server software, you must make sure they are all running server version 9.5.0.0 or later before upgrading your client software to 10.5.0.x. As stated above, however, your end-users can run at any client version 9.5.0.0 or later against a 10.5.0.x. server, so you can run in a mixed server version environment and simply keep your end-users at a client version earlier than 10.5.0.x until all servers in your network are running at 9.5.0.0 or later. Note that V10.5 and V10.1 end-user Windows OnDemand clients can coexist on the same Windows workstation.

Your Content Manager OnDemand administrators must be running the OnDemand Administrator client or the Content Manager OnDemand batch administration program (ARSXML) version 10.5.0.0 or later after upgrading to V7.5

The OnDemand Administrator client and the Content Manager OnDemand batch administration program (ARSXML) must be at the same major version or later as the Content Manager OnDemand server. For Content Manager OnDemand for i V7.5, the server version is 10.5.0.4 or later. The 10.5.0.3 version or later of the OnDemand Administrator client and ARSXML API is recommended with Content Manager OnDemand for i V7.5.

The OnDemand Administrator client at 10.5.0.x will only work against a 9.5.0.0 or later server

The 10.5.0.x versions of the OnDemand Administrator client work against any 9.5.0.0 or later server. Therefore, it is important to note that, if you have multiple systems in your network that run Content Manager OnDemand server software, you must make sure they are all running 9.5.0.0 or later before upgrading your OnDemand Administrator client software to 10.5.0.x. Note that V10.5 and V10.1 OnDemand Administrator clients can coexist on the same Windows workstation.

The Content Manager OnDemand batch administration program (ARSXML) at 10.5.0.4 will only work against a 9.5.0.0 or later server

If you use the ARSXML program on one Content Manager OnDemand system to maintain other Content Manager OnDemand systems in your network, you must make sure they are all running 9.5.0.0 or later before upgrading to V7.5. A 10.5.0.4 or later version of the ARSXML program will only work against a 9.5.0.0 or later server. (Server version 10.5.0.4 is shipped with the general availability release of Content Manager OnDemand for i V7.5.)

Content Manager OnDemand servers used to remotely load data should all be at a 10.5.0.0 or later server version

If you load data to one Content Manager OnDemand server from a different Content Manager OnDemand server, both the source and the target servers must be running server version 10.5.0.0 or later.

Client and server compatibility

The "Compatibility matrix for the Content Manager OnDemand clients and servers" contains information on which versions and levels of the Content Manager OnDemand clients are compatible with each Content Manager OnDemand server. See www.ibm.com/support/pages/node/391489 or search at www.ibm.com using "ibm 391489" (without the quotes) as search criteria. The compatibility information applies to the OnDemand end-user client, OnDemand Administrator client, and ODWEK Java APIs. (ODWEK CGI and Servlet were deprecated at 10.1.0.0 and are no longer shipped.) If you use IBM Content Navigator (ICN), see the appropriate documentation for that product to determine minimum software requirements.

Restarting the IBM Navigator for i server after installing Content Manager OnDemand for i V7.5 or installing PTFs

After you install Content Manager OnDemand for i V7.5 or install PTFs for the Content Manager OnDemand for i component of IBM Navigator for i, you need to stop and restart the IBM Navigator for i server in order for the Content Manager OnDemand component to appear. The restart will also ensure that you are using the most current version of the component.

To stop and restart the server, run the following commands from an IBM i command line:

```
ENDTCPSVR SERVER(*IAS) INSTANCE(ADMIN1)

STRTCPSVR SERVER(*IAS) INSTANCE(ADMIN1)
```

If you currently have the new IBM Navigator for i active in a web browser, you should also log out, press Ctrl+F5 to force a cache refresh for the web page, and then log back in to IBM Navigator for i.

For more information on IBM Navigator for i, see www.ibm.com/support/pages/node/633937 or search at www.ibm.com using "ibm 633937" (without the quotes) as search criteria.

Warning message might require a reply when you start the first Content Manager OnDemand instance server after upgrading to V7.5

When you start your first Content Manager OnDemand instance (by using the Start TCP/IP Server (STRTCPSVR) command) after upgrading to V7.5, you might receive message OND0156 in the QSYSOPR message queue that requires a response. The message text is: The Content Manager OnDemand server will be upgraded to server version 10.5.0.x (C G), where 10.5.0.x is the server version to which you are upgrading. If you have reviewed this Read This First document and the cover letters for the PTFs and are ready to upgrade to 10.5.0.x, reply G to Go. If you need to cancel the upgrade, reply C to Cancel. The message will continue to be issued until you reply G to Go.

Starting an instance's server or running the Archive Storage Management (ASM) process for the first time after upgrading to V7.5 might take longer than usual

The first time you start a Content Manager OnDemand instance (by using the Start TCP/IP Server (STRTCPSVR) command or by running the Archived Storage Management (ASM) process (by using the Start Archived Storage Management (STRASMOND) command) or by running any command with the Start instance server (STRSVR) parameter set to *YES after an upgrade to Content Manager OnDemand for i V7.5 might take longer if you are not already at Content Manager OnDemand server version 10.1.0.x before you upgrade. The delay is due to database changes in the server tables.

- Do not end the server job or the ASM job because you are concerned that it is not progressing.
- Status messages are sent during the database changes. You can check these messages in the job log to confirm that the job is progressing.