IBM

Read This First

for Version 7.4

Notice

This document applies to IBM Content Manager OnDemand for i, Version 7.4, 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 V7.4 or apply PTFs that update your existing version 7.4 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 V7.4. 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:

- New Content Manager OnDemand component for IBM Navigator for i
- Restarting the IBM Navigator for i server after installing PTFs
- *Updated* Getting current on PTFs to include info on *DB2GRP, *JVAGRP, and *HTTPGRP

January 24, 2022 edition:

- New server version (10.5.0.4) available January, 2022

December 13, 2021 edition:

- New server version (10.5.0.3) available December, 2021
- QONDADM user profile is now created with no password for new installations
- User profiles QRDARSADM, QRDARS4001, QRDARS4002, QRDARS4003, QRDARS4004, and QRDARS4005 are no longer created for new installations

August 17, 2021 edition:

- *Replaced* Action required due to deprecation of QRLMMONQ data area with Monitor user exit program processing enhancements

May 28, 2021 edition:

- *Updated* New server version (10.5.0.2) available April, 2021 to include a revised list of server upgrade PTF numbers

May 7, 2021 edition:

- Empty all output queues in QRDARS library before upgrading

April 16, 2021 edition:

- New server version (10.5.0.2) available April, 2021

November 23, 2020 edition:

- New server version (10.5.0.1) available November, 2020

SUMMARY OF CHANGES (continued)

March 20, 2020 edition:

- New server version (10.5.0.0) available March, 2020
- What's new in server version 10.5.0.0
- New software prerequisites for Content Manager OnDemand for i when running the V10.5 server
- Warning message requires reply when you start the first Content Manager OnDemand instance server after application of server upgrade PTFs
- You must be running Content Manager OnDemand server version 9.5.0.x or higher prior to upgrading to server version 10.5.0.0
- Minimum OnDemand end-user client, OnDemand Administrator client, and OnDemand Web Enablement Kit (ODWEK) versions required for server version 10.5.0.0
- Your end-users running OnDemand clients (end-user Windows client, ODWEK) at 10.5.x.x will only be able to access an 9.5.0.0 or higher Content Manager OnDemand server
- The OnDemand Administrator client at 10.5.x.x will only work against an 9.5.0.0 or higher server
- The Content Manager OnDemand batch administration API (ARSXML) at 10.5.0.0 will only work against a 9.5.0.0 or higher server
- Content Manager OnDemand servers used to remotely load data should all be at a 10.5.0.0 or higher server version

August 16, 2019 edition:

- New server version (10.1.0.5) available August, 2019
- Action required due to deprecation of QRLMMONQ data area
- ODWEK Java API users need to update CLASSPATH
- End of support for Tivoli Storage Manager (TSM)
- Content Manager OnDemand Web Enablement Kit (ODWEK) CGI/Servlet support no longer shipped
- *Updated* Important information for previous users of Spool File Archive (the predecessor product to Content Manager OnDemand Common Server)

June 21, 2019 edition:

- General Availability (GA) version of this document

IMPORTANT NOTICES for All Customers

GENERAL INFORMATION

How to obtain your Content Manager OnDemand software

Content Manager OnDemand (licensed program product number 5770-RD1) is not sent on the stacked media (DVDs) 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/884300 or at www.ibm.com using "ibm 884300" (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 V7.4 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 V7.4 is SF99652. 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 V7.4 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 group PTFs for these products. The V7.4 PTF group for DB2 is SF99704; the PTF group for HTTP Server is SF99662; the PTF group for Java is SF99665. 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 V7.4 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 V7.4. You can review this document at www.ibm.com/support/pages/node/731827 or at www.ibm.com using "ibm 731827" (without the quotes) as search criteria.

Updated Content Manager OnDemand client software recommended

It is recommended that you install the latest version of the 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 OnDemand

end-user 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 10.1.0.x OnDemand Administrator client might not be backward compatible with the older 9.5.0.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 higher 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.

Empty all output queues in QRDARS library before upgrading

Before upgrading to a new version of Content Manager OnDemand (such as V7.3 to V7.4), confirm that the output queues in the QRDARS library do not contain any spooled files. If spooled files exist in any of the output queues, move the spooled files to the corresponding output queues in the QUSRRDARS library or to other output queues of your choice, or delete the spooled files if they are no longer needed. The output queues in QRDARS are named QRDARS400, ONDPROC, and ONDERR. If any of the output queues in QRDARS contain spooled files, the upgrade of Content Manager OnDemand (licensed program product number 5770-RD1) might fail.

Note that this requirement for empty output queues in QRDARS does not apply to Content Manager OnDemand server upgrades (such as V10.5.0.1 to V10.5.0.2).

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 will be the last release to include Spool File Archive Report Management Cycle (RMC) functionality. RMC is used to manage data that was archived in Spool File Archive (SFA) that has not yet been migrated to the Archived Storage Manager ASM) of Common Server.

If you migrated from Spool File Archive to Common Server by re-spooling 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 the release of Content Manager OnDemand for i after V7.4. 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, 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.

End of support for Tivoli Storage Manager (TSM)

Previous versions of Content Manager OnDemand for i supported the use of IBM Tivoli Storage Manager (TSM) (which also included System Storage Archive Manager (SSAM)) in addition to ASM or in place of ASM as your storage manager, or simply as another media choice for use in ASM migration policies. The Tivoli Storage Manager APIs for IBM i were withdrawn from support on April 30, 2015. Because of the Tivoli Storage Manager APIs support withdrawal, Content Manager OnDemand for i no longer supports Tivoli Storage Manager in either of the previously described scenarios. This end of support affects you if you are using Tivoli Storage Manager as your storage manager or using Tivoli Storage Manager as a level within an ASM migration policy. If you meet either of these conditions, you must make changes to continue to access your archived data. If you are using Tivoli Storage Manager as your storage manager, Tivoli Storage Manager can only be used with Content Manager OnDemand for i if you add a Content Manager OnDemand for Multiplatforms object server between your IBM i system and your Tivoli Storage Manager server. If you are using Tivoli Storage Manager as a level within an ASM migration policy, you must migrate the data within the Tivoli Storage Manager level to another type of storage media before upgrading to version 7.4. For detailed instructions, see www.ibm.com/support/pages/node/616841, which can also be found at www.ibm.com using "ibm 616841" (without the quotes) as search criteria. Note that all references to Tivoli Storage Manager and TSM have been removed from the Content Manager OnDemand component of IBM Navigator for i.

Content Manager OnDemand Web Enablement Kit (ODWEK) CGI/Servlet support no longer shipped

Support for CGI/Servlet was deprecated at server version 9.0 and has been removed from the product at server version 10.1 (which is the server version that is shipped with Content Manager OnDemand for i V7.4). You should migrate your web access to IBM Content Navigator (ICN) prior to upgrading to V7.4. IBM Content Navigator product information can be found on the web at www.ibm.com/marketplace/content-navigator.

Monitor user exit program processing enhancements

Content Manager OnDemand for i PTF SI76998 provides enhanced control of monitor user exit program processing.

Currently, two data areas, QRLMMONEXT and QRLMMONQ, are used to control exit program processing. QRLMMONEXT is used to specify universal exit program name(s), and optionally, what library(s) to search for exit programs. QRLMMONQ is used to indicate that ILE programs are allowed to be used as attribute-specific exits. This avoids the accidental use of an ILE program with a name that unintentionally matches an attribute of the input file being loaded when QRLMMONQ is not present. These PTFs enhance the QRLMMONEXT data area to allow better control of exit program identification, while eliminating the need for the QRLMMONQ data area.

With this PTF, the QRLMMONQ data area can continue to be used. However, in a future release, it will be deprecated entirely since ILE exit processing can now be fully controlled with the enhanced QRLMMONEXT data area. Therefore, it is advised that current users of the QRLMMONQ data area discontinue the use of that data area on IBM i version 7.3 and later.

If you are using the QRLMMONQ data area, you have three options:

1. You can specify the name of the library that contains your monitor exits in the last 10 characters (character positions 21 to 30) in the QRLMMONEXT data area. Both your attribute-specific and universal exit programs must be located in the specified library, and can be either ILE or OPM programs.

This is the recommended option since it eliminates the possibility of calling exit programs with the specified name from an unintended library.

2. You can specify the special value *LIBL in the last 10 characters (character positions 21 to 30) in the QRLMMONEXT data area. Your attribute-specific and universal exit programs will be located using the library list of the monitor job, and can be either ILE or OPM programs.

3. You can specify the special value of *ALLOWILE in the first 10 characters (character positions 1 to 10) of the QRLMMONEXT data area (for output queue monitors) and/or in the second 10 characters (character positions 11 to 20) of the QRLMMONEXT data area (for directory monitors). Your attribute-specific exit programs will be located using the library list of the monitor job, and can be either ILE or OPM programs.

If you previously created the QRLMMONEXT data area with a length of 20 characters, you can either:

1. Recreate it with a length of 30 characters and use any of the options described above.

2. Leave it with a length of 20 characters and use the special value *ALLOWILE as described in option 3 above.

After you have correctly configured the QRLMMONEXT data area you can delete the QRLMMONQ data area.

Note that QRLMMONQ and QRLMMONEXT data areas can exist in library QUSRRDARS and/or some or all of your instance libraries, such as QUSROND. You should find all occurrences of the QRLMMONQ data area, then create and configure an occurrence of the QRLMMONEXT data area to replace each occurrence of QRLMMONQ.

For customers who do not use monitor user exit programs, you can now bypass all monitor exit processing for either output queue monitors, directory monitors, or both. This improves performance of the monitor by eliminating searches for attribute-specific exit programs. You can specify the special value of *NONE in the first 10 characters of the QRLMMONEXT data area (for output queue monitors) and/or in the second 10 characters of the QRLMMONEXT data area (for directory monitors) to bypass monitor user exit processing.

For more information on monitor user exit programs, see www.ibm.com/docs/en/cmofi/7.4.0?topic=reference-output-queue-directory-monitor-user-exit-program.

ODWEK Java API users need to update CLASSPATH

Beginning with server version 10.1.0.5, customer applications that are using the Content Manager OnDemand Web Enablement Kit (ODWEK) Java APIs will need to include the Gson JAR file, with path, in the CLASSPATH for the application. This JAR file ships with Content Manager OnDemand and can be found in the IFS path named /QIBM/ProdData/OnDemand/jars. For example, the file name for Gson version 2.8.1 is gson-2.8.1.jar. If this is the name of your most current Gson JAR file, the CLASSPATH statement must be updated to include CLASSPATH=/QIBM/ProdData/OnDemand/jars/gson-2.8.1.jar.

Note that the Gson JAR file is handled differently beginning with Content Manager OnDemand server version 10.5.0.0. If you will be running server version 10.5.0.0 or later, see more information under the **What's new in server version 10.5.0.0** heading in the **SERVER UPGRADE TO 10.5.0.0**.

New Content Manager OnDemand component for IBM Navigator for i

IBM Navigator for i has been recreated 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.
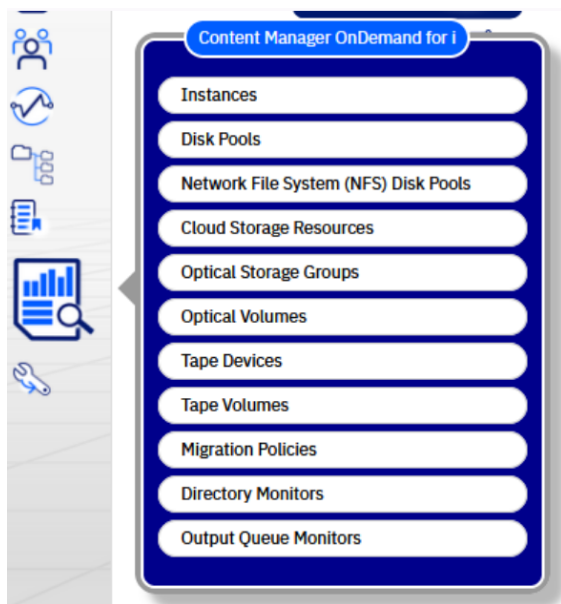
PTF SI80384 for Content Manager OnDemand for i (5770-RD1) and PTF SI79800 for IBM i (5770-SS1) provide the initial support. **IMPORTANT NOTE:** These PTFs require Content Manager OnDemand server version 10.5.0.4. When you order and apply these two IBM Navigator for i PTFs, the PTFs that upgrade your Content Manager OnDemand server version to 10.5.0.4 will also be ordered and applied. If you do not want to upgrade to server version 10.5.0.4, do not apply these IBM Navigator for i PTFs.

After installing the PTFs, look for the new Content Manager OnDemand for i 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 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.

Restarting the IBM Navigator for i server after installing PTFs

After you install Content Manager OnDemand for i PTFs for the new IBM Navigator for i component, you need to stop and restart the IBM Navigator for i server in order for the Content Manager OnDemand icon 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.

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
SF99652 - 15	SF99665 - 18	SF99662 - 30

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 SI84294, SI84300, SI84303, and SI84304 for version 7.4 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI84305 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI84306 (or its superseding PTF) for PDF Indexer. It is recommended that you also have operating system (5770-SS1) cumulative PTF package C3117740, 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, <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 10.5.0.7. 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 7.4 and are currently at version 7.2 or 7.3, 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 SI82400, SI82401, and SI82403 for version 7.4 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI82404 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI82405 (or its superseding PTF) for PDF Indexer. It is recommended that you also have operating system (5770-SS1) cumulative PTF package C2328740, 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 7.4 and are currently at version 7.2 or 7.3, 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 SI80706 and SI80707 for version 7.4 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI80708 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI80709 (or its superseding PTF) for PDF Indexer. It is recommended that you also have operating system (5770-SS1) cumulative PTF package C2125740, 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, 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 10.5.0.5. 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 7.4 and are currently at version 7.2 or 7.3, 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.

SERVER UPGRADE TO 10.5.0.4

New server version (10.5.0.4) available January, 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 SI78443 and SI78444 for version 7.4 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI78445 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI78446 (or its superseding PTF) for PDF Indexer. It is recommended that you also have operating system (5770-SS1) cumulative PTF package C1238740, or higher, applied to run server version 10.5.0.4.

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

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 10.5.0.4. Carefully note the minimum server version requirements for 10.5.0.0, which are also true for 10.5.0.4. If you are reading this document as part of the process of upgrading to version 7.4 and are currently at version 7.2 or 7.3, 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 10.5.0.4 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 changes documented in the Content Manager OnDemand for Multiplatforms 10.5.0.4 fix pack readme files affect the Content Manager OnDemand for i platform.

SERVER UPGRADE TO 10.5.0.3

New server version (10.5.0.3) available December, 2021

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 SI78056 and SI78057 for version 7.4 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI78058 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI78059 (or its superseding PTF) for PDF Indexer. It is recommended that you also have operating system (5770-SS1) cumulative PTF package C1238740, or higher, applied to run server version 10.5.0.3.

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 10.5.0.3. Carefully note the minimum server version requirements for 10.5.0.0, which are also true for 10.5.0.3. If you are reading this document as part of the process of upgrading to version 7.4 and

are currently at version 7.2 or 7.3, 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 10.5.0.3 server version can be found in the Content Manager OnDemand for Multiplatforms 10.5.0.3 fix pack readme files at www.ibm.com/support/pages/node/6480889 or at www.ibm.com using "ibm 6480889" (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 10.5.0.3 fix pack readme files affect the Content Manager OnDemand for i platform.

QONDADM user profile is now created with no password for new installations

Included in the server version 10.5.0.3 PTFs is a change to the QONDADM user profile that affects new Content Manager OnDemand for i installations. This change does not affect existing Content Manager OnDemand systems. This change also does not affect customers who use their original licensed program product installation media for new installations. This change only affects customers who perform a Save Licensed Program (SAVLICPGM) command to save the Content Manager OnDemand for i software and then use the output of the save to do a Restore Licensed Program (RSTLICPGM) command for the new installation.

Currently, the QONDADM user profile is created during the Content Manager OnDemand installation process. Then, when you create a new Content Manager OnDemand instance, the QONDADM user ID is automatically added to the instance. At server version 10.5.0.3 and later, when using the results of the RSTLICPGM command for new installations of Content Manager OnDemand, the QONDADM user ID does not have an initial password set. An IBM i user with sufficient authority must use the Change User Profile (CHGUSRPRF) command to set the password before QONDADM can be used to log on.

User profiles QRDARSADM, QRDARS4001, QRDARS4002, QRDARS4003, QRDARS4004, and QRDARS4005 are no longer created for new installations

Included in the server version 10.5.0.3 PTFs are changes to the QRDARSADM and QRDARS400x user profiles that affect new Content Manager OnDemand for i installations. These changes do not affect existing Content Manager OnDemand systems. These changes also do not affect customers who use their original licensed program product installation media for new installations. These changes only affect customers who perform a Save Licensed Program (SAVLICPGM) command to save the Content Manager OnDemand for i software and then use the output of the save to do a Restore Licensed Program (RSTLICPGM) command for the new installation.

User profile QRDARSADM is no longer used. User profile QONDADM is used instead. At server version 10.5.0.3 and later, when using the results of the RSTLICPGM command for new installations of Content Manager OnDemand, the QRDARSADM user profile will not be created.

User profiles QRDARS4001, QRDARS4002, QRDARS4003, QRDARS4004, and QRDARS4005 are no longer used. At server version 10.5.0.3 and later, when using the results of the RSTLICPGM command for new installations of Content Manager OnDemand, these user profiles will not be created.

Note: User profiles QRDARSADM, QRDARS4001, QRDARS4002, QRDARS4003, QRDARS4004, and QRDARS4005 have been deprecated since Content Manager OnDemand for i V6.1. These user profiles were used by Spool File Archive and are no longer needed by Common Server. They will be deleted in a future release.

You might want to make some or all of the following changes manually if you do not want the future release to make some or all of 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. To determine which user profiles specify QRDARSADM as a group profile, use the following command:

      DSPAUTUSR SEQ(*GRPPRF)

- 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. Note that if any of these profiles own objects in the path /QIBM/UserData/RDARS, you should verify that your migration from Spool File Archive to Common Server is complete and that all reports stored in Spool File Archive have been migrated to the Archived Storage Manager (ASM) of Common Server. To determine which user profiles own objects (other than their own message queue) use the following command, where QRDARSxxxx is one of the six user profiles:

      DSPUSRPRF USRPRF(QRDARSxxxx) TYPE(*OBJOWN)

- If you have any jobs that run under user profile QRDARSADM, you should change them to run under user profile QONDADM.

After these changes have been made, the QRDARSADM, QRDARS4001, QRDARS4002, QRDARS4003, QRDARS4004, and QRDARS4005 user profiles can be deleted from your system.

If you have further questions, contact IBM support in your geography.

SERVER UPGRADE TO 10.5.0.2

New server version (10.5.0.2) available April, 2021

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 SI76380 and SI75953 for version 7.4 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI75954 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI75955 (or its superseding PTF) for PDF Indexer. It is recommended that you also have operating system (5770-SS1) cumulative PTF package C0303740, or higher, applied to run server version 10.5.0.2.

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 10.5.0.2. Carefully note the minimum server version requirements for 10.5.0.0, which are also true for 10.5.0.2. If you are reading this document as part of the process of upgrading to version 7.4 and are currently at version 7.2 or 7.3, 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 10.5.0.2 server version can be found in the Content Manager OnDemand for Multiplatforms 10.5.0.2 fix pack readme files at www.ibm.com/support/pages/node/6437527 or at www.ibm.com using "ibm 6437527" (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 10.5.0.2 fix pack readme files affect the Content Manager OnDemand for i platform.

SERVER UPGRADE TO 10.5.0.1

New server version (10.5.0.1) available November, 2020

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 SI74596 and SI74597 for version 7.4 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI74598 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI74599 (or its superseding PTF) for PDF Indexer. It is recommended that you also have operating system (5770-SS1) cumulative PTF package C0121740, or higher, applied to run server version 10.5.0.1.

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 10.5.0.1. Carefully note the minimum server version requirements for 10.5.0.0, which are also true for 10.5.0.1. If you are reading this document as part of the process of upgrading to version 7.4 and are currently at version 7.2 or 7.3, 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 10.5.0.1 server version can be found in the Content Manager OnDemand for Multiplatforms 10.5.0.1 fix pack readme files at www.ibm.com/support/pages/node/6368765 or at www.ibm.com using "ibm 6368765" (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 10.5.0.1 fix pack readme files affect the Content Manager OnDemand for i platform.

SERVER UPGRADE TO 10.5.0.0

New server version (10.5.0.0) available March, 2020

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 SI72535, SI72536, and SI72537 for version 7.4 (or their superseding PTFs) provide the updated server version and related PTFs, along with PTF SI72538 (or its superseding PTF) for Content Manager OnDemand Web Enablement Kit (ODWEK), PTF SI72539 (or its superseding PTF) for PDF Indexer, PTF SI72584 (or

its superseding PTF) for Enhanced Retention Management, and PTF SI72585 (or its superseding PTF) for Content Manager OnDemand Distribution Facility (ODF).

Minimum software versions have changed at server version 10.5 and are described under the New software prerequisites for Content Manager OnDemand for i when running the V10.5 server heading.

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. In addition, information regarding the changes included with server version 10.5 can be found in the Content Manager OnDemand for Multiplatforms V10.5 Readme files at www.ibm.com/support/pages/node/1170988 or at www.ibm.com using "ibm 1170988"

(without the quotes) as search criteria. Not all changes documented in the Content Manager OnDemand for Multiplatforms V10.5 Readme files affect the Content Manager OnDemand for i platform.

What's new in server version 10.5.0.0

Many new enhancements have been added to server version 10.5.0.0. Some of the most significant for IBM i customers include:

- **REST Services APIs for Content Manager OnDemand**

  - REST (Representational State Transfer) is an architecture used in client/server communications. Content Manager OnDemand now includes REST Services APIs along with regular Java APIs (OnDemand Web Enablement Kit). REST Services APIs offer a simplified interface for integrating enterprise applications that need to interface with Content Manager OnDemand by using HTTP-based stateless protocol. With REST Services, you can do anything you already do with normal web services, but in an easier way, often consuming fewer system resources. For more information, see the Content Manager OnDemand REST Services white paper at www.ibm.com/support/pages/node/1078959 or at www.ibm.com using "ibm 1078959" (without the quotes) as search criteria.

- **HTML5 line data viewer with graphical annotations**
  - With the deprecation of applet-based technologies, a modern HTML5-based line data viewer with graphical annotation capability is available for use with IBM Content Navigator to view and annotate line data content in Content Manager OnDemand.

- **Single sign-on support for IBM Content Navigator**
  - When IBM Content Navigator (ICN) is configured for use with Content Manager OnDemand, single sign-on capability can be enabled. See the ICN documentation for ICN setup and operational information.

- **Lightweight Directory Access Protocol (LDAP) synchronization tool to synchronize users and group definitions from directory servers**
  - A new LDAP synchronization tool is included in V10.5 to help automate the synchronization of changes in user and group definitions in corporate directory servers with Content Manager OnDemand.

- **ARSXML schema file location changes**
  - At Content Manager OnDemand V10.5, ARSXML no longer looks for the schema file location based on the xsi:noNamespaceSchemaLocation attribute in the input XML file. The noNamespaceSchemaLocation attribute is ignored and no longer needed. In addition, the -s parameter used with the ARSXML EXPORT function to specify the schema location is no longer needed and is removed in V10.5. If the -s parameter is specified, an error message is issued.

- **New diagnostic logging at the Java layer for ODWEK Java APIs**
  - The Content Manager OnDemand Web Enablement Kit (ODWEK) Java APIs now provide diagnostic logging at the Java layer. To enable the new logging capabilities, the ODApi.jar file now has a dependency on Log4j 2. This dependency is in addition to another new V10.5 ODApi.jar file dependency on Gson. At V10.5, the Content Manager OnDemand Web Enablement Kit installation includes the gson-2.8.6.jar file, the log4j-api-2.13.0.jar, and the log4j-core-2.13.0.jar in the jars directory. For Content Manager OnDemand for i, symbolic links are shipped with the V10.5 server upgrade PTFs that point to these JAR files. If you move the JAR files to a location other than their default directories, you must update the ODWEK CLASSPATH so that these JAR files can be found in order to run the ODWEK Java APIs. If you move any of these JAR files and need more information on setting the CLASSPATH, see the Content Manager OnDemand Web Enablement Kit Implementation Guide.

- **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

New software prerequisites for Content Manager OnDemand for i when running the V10.5 server

Software prerequisites for IBM Content Manager OnDemand for i have changed at server version 10.5. A number of functions in Content Manager OnDemand for i V7.4 require Java (IBM Developer Kit for Java; 5770-JV1), which is now considered a

prerequisite of Content Manager OnDemand for i. When running the V10.5 server version, Java V1.8 is required. On IBM i systems, the licensed program product options that provide Java V1.8 are as follows:

```
Resource
  ID        Option    Feature     Description
5770JV1       16       5116       Java SE 8 32 bit
5770JV1       17       5117       Java SE 8 64 bit
```

Both of these product options are required. See the support document at www.ibm.com/support/pages/node/641733 or at www.ibm.com using "java 641733" (without the quotes) as search criteria for information on setting a default Java version.

Warning message requires reply when you start the first Content Manager OnDemand instance server after application of server upgrade PTFs

When you start your first Content Manager OnDemand instance (by using the Start TCP/IP Server (STRTCPSVR) command) after applying the 10.5.0.0 server upgrade PTFs, you will 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 10.5.0.0 (C G). If you have reviewed this Read This First document and the cover letters for the PTFs and are ready to upgrade to 10.5.0.0, reply G to Go. If you need to cancel the upgrade, reply C to Cancel. The message will be issued one time, at the start of the first instance after you upgrade.

You must be running Content Manager OnDemand server version 9.5.0.x or higher prior to upgrading to server version 10.5.0.0

If you are upgrading from a previous version of Content Manager OnDemand (such as version 7.2 or 7.3), you must be running Content Manager OnDemand server version 9.5.x.x or higher prior to upgrading to server version 10.5.0.0. You should review all of the topics below that were introduced when V7.4 became generally available. These topics are listed under the VERSION 7.4 GENERAL AVAILABILITY (GA) heading.

If you are upgrading from a previous server version of Content Manager OnDemand already at version 7.4, you will already be running Content Manager OnDemand server version 10.1.0.4 or higher, which is a supported server version from which to upgrade.

You can determine your current server version 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.

Minimum OnDemand end-user client, OnDemand Administrator client, and Content Manager OnDemand Web Enablement Kit (ODWEK) versions required for server version 10.5.0.0

Minimum version requirements for the OnDemand end-user client, OnDemand Administrator client, and Content Manager OnDemand Web Enablement Kit (ODWEK) are documented in the Content Manager OnDemand compatibility matrix located on the web at www.ibm.com/support/pages/node/391489 or at www.ibm.com using "ibm 391489" (without the quotes) as search criteria. The minimum requirements apply 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.

Your end-users running OnDemand clients (end-user Windows client, ODWEK) at 10.5.x.x will only be able to access a 9.5.0.0 or higher Content Manager OnDemand server

The 10.5.x.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 higher 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 higher before upgrading your client software to 10.5.x.x. As stated above, however, your end-users can run at any client version 9.5.0.0 or higher against a 10.5.x.x. server, so you can run in a mixed server version environment and simply keep your end-users at a client version below 10.5.x.x until all servers in your network are running at 9.5.0.0 or higher. Note that V10.5, V10.1, and V9.5 end-user Windows clients can coexist on the same Windows workstation.

The OnDemand Administrator client at 10.5.x.x will only work against a 9.5.0.0 or higher server

The 10.5.x.x versions of the OnDemand Administrator client work against any 9.5.0.0 or higher 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 higher before upgrading your OnDemand Administrator client software to 10.5.x.x. Note that V10.5, V10.1, and V9.5 OnDemand Administrator clients can coexist on the same Windows workstation.

The Content Manager OnDemand batch administration program (ARSXML) at 10.5.0.0 will only work against a 9.5.0.0 or higher 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 higher before upgrading to the 10.5.0.0 server version. The 10.5.0.0 version of the ARSXML API will only work against a 9.5.0.0 or higher server.

Content Manager OnDemand servers used to remotely load data should all be at a 10.5.0.0 or higher 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 higher.

SERVER UPGRADE TO 10.1.0.5

New server version (10.1.0.5) available August, 2019

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 SI69743 and SI69745 for version 7.4 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI69746 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI69747 (or its superseding PTF) for PDF Indexer. It is recommended that you also have operating system (5770-SS1) cumulative PTF package C9151740, or higher, applied to run server version 10.1.0.5.

If you are reading this document as part of the process of upgrading to version 7.4 and are currently at version 7.2 or 7.3, it is very important to note that, if you are upgrading from a Content Manager OnDemand server version prior to 10.1.0.0 (such as 9.5.x.x), you should review all of the VERSION 7.4 GENERAL AVAILABILITY (GA) topics below that are also true at server version 10.1.0.5. Carefully note the minimum server version requirements for V7.4 GA, which are also true for 10.1.0.5. You should also read the Read This First document for your current release, which can be found on the 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 10.1.0.5 server version can be found in the Content Manager OnDemand for Multiplatforms 10.1.0.5 fix pack readme files at www.ibm.com/support/pages/node/958725 or at www.ibm.com using "ibm 958725" (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 10.1.0.5 fix pack readme files affect the Content Manager OnDemand for i platform.

VERSION 7.4 GENERAL AVAILABILITY (GA)

What's New in V7.4

Many new enhancements have been added to version 7.4 of Content Manager OnDemand for i, including support for cloud storage for archive media. The complete list of enhancements is available on the web in the Content Manager OnDemand for i V7.4 Knowledge Center at www.ibm.com/support/knowledgecenter/SSB2EG_7.4.0/com.ibm.ondemandtoc.doc/odinew.htm.

The Content Manager OnDemand server version included in the V7.4 general availability cumulative PTF package is 10.1.0.4. Various considerations for upgrading to server version 10.1.0.4, such as client and server compatibilities, are included elsewhere in this document.

If you are not already running server version 10.1.0.x prior to upgrading to V7.4, some of enhancements that have been added to version 10.1.0.x are:

OnDemand Administrator client and ARSXML batch administration program
- Default setting for Database Organization for application group definitions is now Single table for all loads on IBM i servers. Support is included in the OnDemand Administrator client and ARSXML.
- Database field names for Enhanced Retention Management (ERM) and Content Federation Services (CFS-CMOD) now automatically added to the application group definition when either of these features are selected. Support is included in the Report Wizard of the OnDemand Administrator client.

- New Add an Index on Exit checkbox available, so that indexing parameters can be defined after a new field is defined. Support is included in the OnDemand Administrator client.
- New Update button added to most View dialogs to enable quick switch to Update mode. Includes objects such as users, applications/application groups/folders, printers, and so on, as well as all of the Content Manager OnDemand Distribution Facility (ODF) objects. Support is included in the OnDemand Administrator client.
- New Display Document Hold check box added to Enhanced Retention Management (ERM) dialog to determine whether the OnDemand end-user client includes a column on the hit list that indicates whether a hold is placed on the document. Support is included in the Report Wizard of the OnDemand Administrator client.
- Application groups with Time (old style) fields can now be copied. Support is included in the OnDemand Administrator client.
- New Choose Details function now available for servers, which allows you to select the columns of server information that you wish to display in the list control view. Support is included in the OnDemand Administrator client.
- New Choose Details function now available for applications, which allows you to select the columns of application information that you wish to display in the list control view. Support is included in the OnDemand Administrator client.
- Enhanced Choose Details function now available for application groups. The AGID and Identifier can now be displayed in the list control view. Support is included in the OnDemand Administrator client.
- New Show Applications and Show Application Groups pop-up menu items for a folder, Show Applications and Show Folders pop-up menu items for an application group, and Show Application Group pop-up menu item for an application. Support is included in the OnDemand Administrator client.
- If you upgrade to the OnDemand Administrator client version 10.1.0.5 (instead of version 10.1.0.4, which is the minimum client version required when you upgrade your Content Manager OnDemand for i server to V7.4), that version of the client also includes a new Add Application pop-up menu item for an application group and a new Show Application Group pop-up menu item for a storage set.

IBM Navigator for i – Content Manager OnDemand component
- Bookmarks should be set to: http://hostname:2001, which will redirect to port 2004 (or 2005 if Navigator is configured for SSL). Note: Port selection has changed with recent Navigator updates, so bookmarks set directly to port 2005 might now be broken.
- System Administrator authority required for all functions.
- New button to start instance server.
- Password stash file field added to monitor definitions and Start Monitor dialog.
- Check interval field added to directory monitor definitions and Start Monitor dialog.
- Undesirable migration policy aggregation size limits deprecated.
- Other usability improvements added.

Additional information regarding the changes included with the 10.1.0.4 server version can be found in the Content Manager OnDemand for Multiplatforms 10.1.0.4 fix pack readme files at www.ibm.com/support/pages/node/732483 or at www.ibm.com using "ibm 732483" (without the quotes) as search criteria. Note that not all of the changes documented in the Content Manager OnDemand for Multiplatforms 10.1.0.4 fix pack readme files apply to Content Manager OnDemand for i.

Print Report (PRTRPTOND), Print document (PRTDOCOND), Query document (QRYDOCOND), and Retrieve document (RTVDOCOND) command changes

The Print Report (PRTRPTOND), Print document (PRTDOCOND), Query document (QRYDOCOND), and Retrieve document (RTVDOCOND) commands have a new Retrieve in load order (RTVLODORD) parameter to control which documents are included, and in what order the documents are included. See the command help for the RTVLODORD parameter for more information.

In addition, the default function of the Report ID (RPTID) parameter on the Print Document (PRTDOCOND), Query Document (QRYDOCOND), and Retrieve Document (RTVDOCOND) commands has changed. Previously, when documents were selected by using a Report ID (also known as load ID), documents were returned in the order in which they were loaded, but any documents with updated index values were not returned. In Content Manager OnDemand for i V7.4, the default function has changed. When documents are selected by using a Report ID, all documents are returned, including documents with updated index values, but they might not be returned in the order in which they were originally loaded. If you want to continue to use the previous functionality, you should specify the new Retrieve in load order (RTVLODORD) parameter with a value of *YES. You can also change the command default to *YES for any of the commands by using the Change Command Default (CHGCMDDFT) command. Instructions for using the CHGCMDDFT command can be found in the IBM i Knowledge Center at https://www.ibm.com/support/knowledgecenter/ssw_ibm_i_74/rbam6/chgcmddef.htm.

New software prerequisites for Content Manager OnDemand for i V7.4

Software prerequisites for IBM Content Manager OnDemand for i V7.4 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 7.4 and click the **Submit** button. Under the **Available Reports** heading, click the **Detailed system requirements** link to view the specific prerequisite information.

Note that a number of functions in V7.4 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 now 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 product options *BASE and option 1) are now 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 *BASE and option 1) are required.

For OnDemand Administrator client graphical indexer functions, IBM i Access Client Solutions –Windows Application Package is now required as the replacement for IBM i Access for Windows (5770-XE1) which is now out of support. Details for acquiring the licensed Windows Application Package are available at http://www.ibm.com/support/docview.wss?uid=nas8N1010355. IBM i Access (5770-XW1), which runs on the IBM i server, is still required for all environments.

Content Manager OnDemand for i V7.4 product options

The individual product options for V7.4 (which install separately) are as follows:

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

*BASE includes Content Manager OnDemand Common Server (previously option 10) and Content Manager OnDemand Web Enablement Kit; previously option 11). This option also includes the IBM Navigator for i - Content Manager OnDemand component (previously named IBM Navigator for i - OnDemand Administration).

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

Full text indexing support is also available for use with Content Manager OnDemand for i V7.4.

Note that if you display your installed licensed programs by using option 10 from the Work with Licensed Programs (LICPGM) menu on a V7.2 system prior to upgrading to V7.4, it will list option 13 as Content Manager OnDemand Enhanced Retention Management and option 14 as Content Manager OnDemand AFP Transforms if the options are installed. The product option names are incorrect. Product option 13 actually contains AFP Transforms and product option 14 contains Enhanced Retention Management as shown in the bulleted list above. This naming issue does not apply if you are upgrading from version 7.3.

Product options 10 and 11 are now included in *BASE and no longer require installation of a separate option. Important: If product options 10 or 11 exist on your system, they are deleted during the upgrade process.

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 9.5.0.0 or higher prior to upgrading to V7.4

If you are upgrading from a previous release of Content Manager OnDemand, you must be running Content Manager OnDemand server version 9.5.0.0 or higher prior to upgrading to Content Manager OnDemand for i V7.4. 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 higher after upgrading to V7.4

Server version 10.1.0.4 (which is the server version shipped with Content Manager OnDemand for i V7.4) 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 10.1. You should migrate your web access to ICN prior to upgrading to V7.4, which ships with server version 10.1.0.4.

Your end-users running OnDemand clients (end-user Windows client, ODWEK) at 10.1.0.x will only be able to access a 9.5.0.0 or higher Content Manager OnDemand server.

The 10.1.0.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 higher 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 higher before upgrading your <u>client</u> software to 10.1.0.x. As stated above, however, your end-users can run at any client version 9.5.0.0 or higher against a 10.1.0.x. server, so you can run in a mixed server version environment and simply keep your end-users at a <u>client</u> version below 10.1.0.x until all <u>servers</u> in your network are running at 9.5.0.0 or higher.

Your Content Manager OnDemand administrators must be running the OnDemand Administrator client or the Content Manager OnDemand batch administration API (ARSXML) version 10.1.0.4 or higher after upgrading to V7.4

The OnDemand Administrator client or the Content Manager OnDemand batch administration API (ARSXML) must be at the same version or higher as the Content Manager OnDemand server. For Content Manager OnDemand for i V7.4, the OnDemand Administrator client or ARSXML API must be at version 10.1.0.4 or higher.

The OnDemand Administrator client at 10.1.0.x will only work against a 9.5.0.0 or higher server

The 10.1.0.x versions of the OnDemand Administrator client work against any 9.5.0.0 or higher 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 higher before upgrading your OnDemand Administrator client software to 10.1.0.x.

The Content Manager OnDemand batch administration API (ARSXML) at 10.1.0.4 will only work against a 9.5.0.0 or higher server

If you use the ARSXML API 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 higher before upgrading to V7.4. A 10.1.0.4 version of the ARSXML API (which is the server version shipped with Content Manager OnDemand for i V7.4) will only work against a 9.5.0.0 or higher server.

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. If you use IBM Content Navigator (ICN), see the appropriate documentation for that product to determine minimum software requirements.

Restarting the HTTP Admin server after installing Content Manager OnDemand for i V7.4

After you install Content Manager OnDemand for i V7.4, you might need to stop and restart your HTTP Admin server in order for the Content Manager OnDemand component to appear when you use IBM Navigator for i. To stop the HTTP Admin server, enter the End TCP/IP Server command:

```
ENDTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN)
```

Allow a few minutes for the server jobs to end. Then, to restart the HTTP Admin server, enter the Start TCP/IP Server command:

```
STRTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN)
```

Warning message might require reply when you start the first Content Manager OnDemand instance server after upgrading to V7.4

When you start your first Content Manager OnDemand instance (by using the Start TCP/IP Server (STRTCPSVR) command), 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 xxxx (C G). If you have reviewed this Read This First document and the cover letters for the PTFs and are ready to upgrade to x.x.x.x, reply G to Go. If you need to cancel the upgrade,

reply C to Cancel.' where xxxx is the server version to which you are upgrading. The message will be issued one time, at the start of the first instance after you upgrade.

Starting an instance's server or running the Archive Storage Management (ASM) process for the first time after upgrading to V7.4 will take longer than usual

The first start of a Content Manager OnDemand instance (by using the Start TCP/IP Server (STRTCPSVR) command) or the Archive Storage Management (ASM) process (by using the Start Archived Storage Management (STRASMOND) command or by specifying the RUNASM(*YES) parameter on the Start Disk Storage Management (STRDSMOND) command) after an upgrade to Content Manager OnDemand for i V7.4 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.