

IBM Content Manager OnDemand for i



Read This First

for 7.2

Notice

This document applies to IBM Content Manager OnDemand for i, Version 7.2, 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: *April 16, 2021*

Read This First

Before you install IBM Content Manager OnDemand for i version 7.2 or apply PTFs that update your existing version 7.2 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 7.2. It contains new and changed information related to the topics listed.

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](#)

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](#)
- [Cloud storage support added for archive media](#)
- [Action required due to deprecation of QRLMMONQ data area](#)
- [ODWEK Java API users need to update CLASSPATH](#)
- *Updated* multiple topics to include a note that ODWEK CGI and Servlet are not shipped with server version 10.1. You should migrate your web access to ICN prior to upgrading to V10.1.

January 28, 2019 edition:

- *Updated* [Informational APAR for list of current Content Manager OnDemand 7.2 PTFs](#) and renamed the topic to [List of non-superseded Content Manager OnDemand 7.2 PTFs](#) to reflect the new location of the PTF list.

October 12, 2018 edition:

- [New server version \(10.1.0.4\) available October, 2018](#)
- [Faster sample data downloads with the OnDemand Administrator client](#)
- *Updated* [New software prerequisites for Content Manager OnDemand for i 7.2](#) to include additional requirements for the PDF Indexer and the OnDemand Administrator client graphical indexer.

April 24, 2018 edition:

- [New server version \(10.1.0.3\) available April, 2018](#)
- *Removed* the version 10.1.0.0 limitation in the new 64-bit OnDemand end-user client regarding image viewing (for viewing images seamlessly within the client viewing window vs. viewing in a separate window) because this limitation no longer exists, beginning with OnDemand end-user client version 10.1.0.3.
- *Updated* [New software prerequisites for Content Manager OnDemand for i 7.2](#) to include a new link and instructions to locate the software prerequisites information.

SUMMARY OF CHANGES (continued)

February 6, 2018 edition:

- *Updated* [What's new in server version 10.1.0.0](#) under the **Content Manager OnDemand V10.1 deprecates or removes the following functions previously supported** heading to include the recommended replacement for OnDemand Web Enablement Kit (ODWEK) CGI/Servlet support.

December 8, 2017 edition:

- [New server version \(10.1.0.2\) available December, 2017](#)

August 11, 2017 edition:

- [New server version \(10.1.0.1\) available August, 2017](#)
- [What's new in server version 10.1.0.0](#)
- [Warning message requires reply when you start the first Content Manager OnDemand instance server after application of server upgrade PTFs](#)
- [Minimum OnDemand end-user client, OnDemand Administrator client, and OnDemand Web Enablement Kit \(ODWEK\) versions required for server version 10.1.0.0](#)
- [Your end-users running OnDemand clients \(end-user Windows client, ODWEK\) at 10.1.x.x will only be able to access an 9.0.0.0 or higher Content Manager OnDemand server](#)
- [The OnDemand Administrator client at 10.1.x.x will only work against an 9.0.0.0 or higher server](#)
- [The Content Manager OnDemand batch administration API \(ARSXML\) at 10.1.0.0 will only work against a 9.0.0.0 or higher server](#)
- [Content Manager OnDemand servers used to remotely load data should all be at a 10.1.x.x or higher server version](#)
- [UTF-8 support](#)

August 11, 2017 edition (continued):

- [System Administrator authority now required for all functions of Content Manager OnDemand component of IBM Navigator for i](#)
- [New commands to query, retrieve, and print archived documents](#)
- [New parameter to force ASM to end at specified time or after specified number of hours](#)

November 4, 2016 edition:

- [New server version \(9.5.0.7\) available November, 2016](#)

July 15, 2016 edition:

- [New server version \(9.5.0.6\) available July, 2016](#)
- [End of support for Tivoli Storage Manager \(TSM\) APIs](#)
- *Updated* [Getting current on PTFs](#) to include new PTF group for Content Manager OnDemand for i
- *Updated* [Informational APAR for list of current Content Manager OnDemand 7.2 PTFs](#)
- *Updated* [New server version \(9.5.0.5\) available March, 2016](#)
- *Updated* [Deprecated functions in Content Manager OnDemand for i 7.2](#)
- *Updated* [Warning message requires reply when you start the first Content Manager OnDemand instance server after application of server upgrade PTFs](#)

March 25, 2016 edition:

- [New server version \(9.5.0.5\) available March, 2016](#)

March 2, 2016 edition:

- *Updated* [New server version \(9.5.0.4\) available December, 2015](#)

SUMMARY OF CHANGES (continued)

February 11, 2016 edition:

- [New *FORCE parameter value added to the Run ASM \(STRASMOND\) keyword of the Start Disk Storage Management \(STRDSMOND\) command](#)
- [Warning for customers running in high-availability \(HA\) replicated environments](#)
- *Updated* [Environment variables must be set for certain circumstances](#)
- Added hyperlinks to SUMMARY OF CHANGES bullets and “back to top” link in footer

January 21, 2016 edition:

- *Updated* [New software prerequisites for Content Manager OnDemand for i 7.2](#)

December 18, 2015 edition:

- [New server version \(9.5.0.4\) available December, 2015](#)
- *Updated* [Check for negative mask values](#)
- *Updated* [You must be running Content Manager OnDemand server version 8.4.1.x or higher prior to upgrading to server version 9.5.0.0](#)
- [Content Manager OnDemand servers used to remotely load data should all be at a 9.5.x.x or higher server version](#)
- *Replaced* Your end-users must be running OnDemand clients (end-user Windows client, ODWEK) version 8.5.0.0 or higher after upgrading to server version 9.5.0.0 and Your OnDemand administrators must be running the OnDemand Administrator client or the OnDemand batch administration API (ARSXML) version 9.5.0.0 or higher after upgrading to server version 9.5.0.0 with [Minimum OnDemand end-user client, OnDemand Administrator client, and OnDemand Web Enablement Kit \(ODWEK\) versions required for server version 9.5.0.0](#)
- *Replaced* You must be running OnDemand client version 8.4.1.0 or higher prior to upgrading to 7.2 and You must be running OnDemand Administrator client version 9.0.0.3 or higher prior to upgrading to 7.2 with [Minimum OnDemand end-user client, OnDemand Administrator client, and OnDemand Web Enablement Kit \(ODWEK\) versions required for version 7.2](#)

October 9, 2015 edition:

- [New Check interval \(CHKITV\) parameter for directory monitors](#)
- [You must be running Content Manager OnDemand server version 8.4.1.x or higher prior to upgrading to server version 9.5.0.0](#)
- [Important generic indexer changes in Content Manager OnDemand server version 8.5.0.5 and higher](#)
- [Warning regarding PDF indexer change at server version 9.5.0.0 and higher](#)
- *Updated* [New server version \(9.5.0.2\) available April, 2015](#)
- *Updated* [New server version \(9.5.0.1\) available December, 2014](#)
- *Updated* [New software prerequisites for Content Manager OnDemand for i 7.2](#)

August 14, 2015 edition:

- [New server version \(9.5.0.3\) available August, 2015](#)
- [Check for negative mask values](#)
- *Updated* [Informational APAR for list of current Content Manager OnDemand 7.2 PTFs](#)

April 17, 2015 edition:

- [New server version \(9.5.0.2\) available April, 2015](#)

March 27, 2015 edition:

- *Updated* [New server version \(9.5.0.1\) available December, 2014](#)
- [Server version 9.5.0.1 PTF SI56312 description and workaround available](#)
- *Updated* [Importance of getting current on PTFs](#)

December 12, 2014 edition:

- [New server version \(9.5.0.1\) available December, 2014](#)

SUMMARY OF CHANGES (continued)

October 24, 2014 edition:

- [New server version \(9.5.0.0\) available October, 2014](#)
- [What's new in server version 9.5.0.0](#)
- [Warning message requires reply when you start the first Content Manager OnDemand instance server after application of server upgrade PTFs](#)
- Your end-users must be running OnDemand clients (end-user Windows client, ODWEK) version 8.5.0.0 or higher after upgrading to server version 9.5.0.0 replaced with [Minimum OnDemand end-user client, OnDemand Administrator client, and OnDemand Web Enablement Kit \(ODWEK\) versions required for server version 9.5.0.0](#)
- [Your end-users running OnDemand clients \(end-user Windows client, ODWEK\) at 9.5.x.x will only be able to access an 8.5.0.0 or higher OnDemand server](#)
- Your OnDemand administrators must be running the OnDemand Administrator client or the OnDemand batch administration API (ARSXML) version 9.5.0.0 or higher after upgrading to server version 9.5.0.0 replaced with [Minimum OnDemand end-user client, OnDemand Administrator client, and OnDemand Web Enablement Kit \(ODWEK\) versions required for server version 9.5.0.0](#)
- [The OnDemand Administrator client at 9.5.x.x will only work against an 8.5.0.0 or higher server](#)
- [The Content Manager OnDemand batch administration API \(ARSXML\) at 9.5.0.0 will only work against an 8.5.0.0 or higher server](#)
- [Environment variables must be set for certain circumstances](#)
- [ARSLOAD now automatically removes duplicate records](#)
- Restructured Read This First document for improved readability

July 25, 2014 edition:

- *Updated* [Hexadecimal triggers used with PDF indexer must now be ASCII instead of EBCDIC](#)
- *Updated* [Deprecated functions in Content Manager OnDemand for i 7.2](#)

May 23, 2014 edition:

- [New software prerequisites for Content Manager OnDemand for i 7.2](#)
- Reminder to stop and restart HTTP Admin server to enable Content Manager OnDemand component of IBM Navigator for i added to [New web-based OnDemand administration tool](#)

May 2, 2014 edition:

- General Availability (GA) version of this document

IMPORTANT NOTICES for All Customers

GENERAL INFORMATION

Existing Spool File Archive implementations MUST be migrated from the Spool File Archive environment to Common Server BEFORE the system on which they are running is upgraded to 6.1, 7.1, or 7.2.

As stated in IBM Announcement Letter #206-030 dated February 14, 2006, 5.4 is the last release that Spool File Archive, AnyStore, Record Archive and Object Archive will be shipped and supported. Beginning with Content Manager OnDemand 5.3, a Spool File Archive migration utility has been available as part of the Content Manager OnDemand licensed program product, providing capability to migrate report definitions and indexes from the legacy Spool File Archive environment to the Common Server environment. It is critical to note that existing Spool File Archive implementations MUST be migrated from the Spool File Archive environment to Common Server BEFORE the system on which they are running is upgraded to 6.1, 7.1, or 7.2.

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

Content Manager OnDemand (licensed program product number 5770-RD1) is no longer sent on the stacked media (DVDs) that you receive with operating system upgrades. The product is now 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 important, detailed instructions regarding the process of obtaining and installing the software, review the information at www.ibm.com/support/pages/node/508633 or at www.ibm.com using "ibm 508633" (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.

Content Manager OnDemand for i 6.1, 7.1, and 7.2 ordering instructions

All Passport Advantage licenses available under 5761-RD1 (version 6.1) have been moved to the Content Manager OnDemand for i 7.1 and 7.2 PID (5770-RD1). Any customer who requires Content Manager OnDemand for i5/OS 6.1 should purchase their Passport Advantage license under PID 5770-RD1, which will entitle you to 6.1 and 7.1 as well as 7.2.

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 7.2 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 7.2 is SF99251. 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 7.2 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 version 7.2 PTF group for DB2 is SF99702; the PTF group for HTTP Server is SF99713; the PTF group for Java is SF99716.

List of non-superseded Content Manager OnDemand 7.2 PTFs

A support document (previously informational APAR number II14723) is available that contains a list of current (non-superseded) PTFs along with other important PTF-related information for Content Manager OnDemand for i 7.2. You

can review this document at www.ibm.com/support/pages/node/737893 or at www.ibm.com using “ibm 737893” (without the quotes) as search criteria.

Updated 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 Administrator and end-user Clients are packaged together in a file named odwin32.zip. Download the file from this 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.

End of support for Tivoli Storage Manager (TSM) APIs

The Tivoli® Storage Manager (TSM) APIs for IBM i were withdrawn from support on April 30, 2015. This end of support affects Content Manager OnDemand customers using TSM as their storage manager and customers using TSM as a level within an Archive Storage Manager (ASM) migration policy.

If you are currently using Tivoli Storage Manager (TSM) or System Storage Archive Manager (SSAM) with Content Manager OnDemand for i, you need to make changes to continue to access your archived data. For detailed instructions, see www.ibm.com/support/pages/node/541951, which can also be found at www.ibm.com using “ibm 541951” (without the quotes) as search criteria.

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 OnDemand server. For example, OnDemand objects created with the 9.5.0.x Administrator Client might not be backward compatible with the older 9.0.0.x Administrator Client.

While IBM does support downward compatibility using the Administrator Client, it is not recommended to switch back and forth between releases against a particular server. The recommended way to manage OnDemand Administrator Client updates is to upgrade to the higher version of the Administrator Client and continue using this version to maintain existing objects and to create new objects on a particular server. Once an upgrade occurs, lower versions of the 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 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.

Important generic indexer changes in Content Manager OnDemand server version 8.5.0.5 and higher

Beginning with Content Manager OnDemand server version 8.5.0.5, Content Manager OnDemand for i now uses Unicode, so that the software does not have to determine what language your data may be written in, and the data is not dependent upon mappings of numeric codes to characters of a certain language. Unicode provides a unique identifier for every character, regardless of the language or platform.

With this change, Content Manager OnDemand is now more sensitive to the CCSIDs and CODEPAGES of the index data and .ind files that are processed by using the generic indexer. After upgrading to server version 8.5.0.5 or higher, data that previously archived successfully into Content Manager OnDemand for i might now fail if the CCSID of the .ind file or the CODEPAGE: value specified in the .ind file do not match the actual CCSID of the data within the .ind file. It is important that you verify that the CCSID of the .ind file and the CODEPAGE: value in the .ind file match the data within the .ind that you are currently using to archive data into Content Manager OnDemand using the generic indexer. You must do this prior to upgrading to server version 8.5.0.5 or higher. After upgrading, if the CCSID of the .ind file and CODEPAGE: value in the .ind file do not match the actual CCSID of the data within the .ind file, the data will fail to archive into Content Manager OnDemand with message **OND2798 ARS1196E Invalid generic index file format: >ÃÖÄ×ÁÇÄzøñù<**. To resolve this problem, the CCSID of the .ind file and/or the CODEPAGE: value in the .ind file must be changed to match the CCSID of the actual data within the .ind file being used to archive the data. Instructions for resolving the problem can be found at www.ibm.com/support/pages/node/491121 or at www.ibm.com using “ibm 491121” (without the quotes) as search criteria.

You should consider making a change to the software that generates your .ind files to prevent the need to continually perform the steps in this document before your .ind files can be successfully loaded into Content Manager OnDemand. For example, if you are using Kofax to create your ASCII .ind files, your batch class(es) should be updated so that the .ind files are created with the correct CCSID and CODEPAGE: values. If the .ind files being produced by Kofax currently specify the CODEPAGE: value as 37, you should consider changing this to an ASCII CODEPAGE value such as 819.

Warning regarding PDF indexer change at server version 9.5.0.0 and higher

If you use the PDF indexer, you should test the loading of all of your PDF documents on a test system before upgrading to server version 9.5.0.x or higher on your production system. Beginning with server version 9.5.0.0, the PDF indexer is more restrictive in the handling of bounding boxes and might not locate triggers, fields, and indexes that were successfully located in server versions prior to version 9.5.0.x.

Check for negative mask values

All Content Manager OnDemand for i customers should check their application groups for negative mask values. A negative mask value might cause a load failure with messages MCH0601 or ARS1130, as well as issues related to searching for documents.

To check, first start SQL by running the Start SQL Interactive Session (STRSQL) command. Then, on the SQL command line, run the following query:

```
SELECT ARSAGFLD.AGID, ARSAGFLD.NAME AS FIELD_NAME, ARSAGFLD.FIELD
AS FIELD_NUM, ARSAGFLD.MASK, HEX(ARSAGFLD.MASK) AS HEX_MASK,
ARSAG.NAME AS APP_GRP_NAME FROM QUSROND/ARSAGFLD,
QUSROND/ARSAG WHERE ARSAGFLD.AGID = ARSAG.AGID AND
ARSAGFLD.MASK < 0
```

where QUSROND is the name of your Content Manager OnDemand instance. If you have more than one instance, you will need to run this command one time for each instance on your system.

If any data is returned from the query, contact IBM software support.

New Check interval (CHKITV) parameter for directory monitors

Beginning at server version 9.5.0.2, the Start Monitor (STRMONOND) command has a new Check interval (CHKITV) parameter that specifies, in seconds, how long the monitor will wait before it checks the monitored directory for a file to process. The wait time specified only applies when there are no more files to process in the monitored directory. This parameter only applies when the TYPE parameter is set to *DIR or *DIR2. This parameter is optional.

New *FORCE parameter value added to the Run ASM (STRASMOND) keyword of the Start Disk Storage Management (STRDSMOND) command

Previously, if Disk Storage Management (DSM) ended with an error, Archived Storage Management (ASM) would not be run, even if the value of the Run ASM (STRASMOND) parameter was set to a value of *YES. This could cause objects to accumulate in the ASMREQUEST directory and to not be migrated to archive storage.

A value of *FORCE is now supported for the Run ASM (STRASMOND) keyword of the Start Disk Storage Management (STRDSMOND) command. Specifying *FORCE will force the ASM process to run after the DSM process ends, even if DSM ends with an error. The default value will remain *YES, which means ASM will run after DSM ends only if DSM does not end with an error.

Support for the new *FORCE parameter value is provided in Content Manager OnDemand PTF SI59422.

Warning for customers running in high-availability (HA) replicated environments

If you are running Content Manager OnDemand in a high-availability (HA) environment, DO NOT replicate with another system that is running a different major server version of Content Manager OnDemand. For example, if one system is running Content Manager OnDemand server version 9.0 and the other system is running server version 9.5, these two systems should not be replicated. This is due to database file changes from one major server version to the next.

Be aware that server version changes can occur in two ways: By applying server version upgrade PTFs or by upgrading to a new release of Content Manager OnDemand. In either case, do not upgrade one of your HA systems without also upgrading the replicated system to the same version.

Additional important details on this subject can be found on the web at www.ibm.com/support/pages/node/427889 or at www.ibm.com using “ibm 427889” (without the quotes) as search criteria. You should not run Content Manager OnDemand in a high-availability environment without first reading this important information.

Requirements for keeping Content Manager OnDemand for i product option 1 (Spool File Archive) after migrating completely from Spool File Archive to Common Server

As mentioned previously in this document, migrating from OnDemand Spool File Archive to OnDemand Common Server is mandatory before upgrading your IBM i system to V6.1, V7.1, or V7.2. Detailed migration instructions are available in a document titled *IBM Content Manager OnDemand for iSeries: Migration Reference* available on the Web at www.ibm.com/support/pages/node/626891 or at www.ibm.com using “ibm 626891” (without the quotes) as search criteria. The instructions in the *Migration Reference* supersede those found in Appendix A. Migration from Spool File Archive to Common Server in the *IBM Content Manager OnDemand for iSeries: Common Server Planning and Installation Guide* for V5.3 and V5.4. You should not use Appendix A as your guide for migration, however you should read below to understand why you are no longer required to retain product option 1 (Spool File Archive) after migration is complete. In fact, as mentioned previously in this document, product options 1 through 5 are deleted during the installation of Content Manager OnDemand for i V7.2.

The last paragraph of Appendix A. Migration from Spool File Archive to Common Server in the *IBM Content Manager OnDemand for iSeries: Common Server Planning and Installation Guide* for V5.3 and V5.4 contains a statement that reads: "You have now completed your Content Manager OnDemand Spool File Archive to Common Server migration. Please remember that you will be required to keep Spool File Archive (OnDemand product option 1) installed on your system until all data stored by Spool File Archive has expired."

Beginning with Content Manager OnDemand V6.1, keeping product option 1 (Spool File Archive) is no longer required. A change was made to move the required Spool File Archive storage management objects from product option 1 to the *BASE product option. Therefore, if you are running Content Manager OnDemand and have successfully completed all five phases of migration as defined in Appendix A (through and including the Cleanup phase), you can either remove product option 1 immediately before your upgrade to V7.2 or simply allow the V7.2 installation process to delete it for you. Product option 1 is not required and is not supported on V6.1, V7.1, or V7.2.

Cloud storage support added for archive media

Beginning with server version 10.1.0.5, cloud storage is now supported as an archive media for Content Manager OnDemand for i. Cloud storage is managed by the Archived Storage Manager (ASM) just like other existing archive media, and defined to Content Manager OnDemand by using the Content Manager OnDemand component of IBM Navigator for i. Cloud support requires Content Manager OnDemand for i PTF SI70512 (or its superseding PTF) and the IBM Cloud Storage Solutions for i (5733-ICC *BASE and option 1) licensed program product.

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 file, the CLASSPATH statement must be updated to include CLASSPATH=/QIBM/ProdData/OnDemand/jars/gson-2.8.1.jar.

Action required due to deprecation of QRLMMONQ data area

The original purpose of the QRLMMONQ data area was to prevent unintended use of an ILE program in the monitor's library list as an attribute-specific monitor exit. However, the library of the intended monitor exit can now be specified in character positions 21 to 30 in the QRLMMONEXT data area instead. The QRLMMONEXT data area provides a more robust and flexible solution for ensuring the correct program is used as a monitor exit. Therefore, the QRLMMONQ data area will be ignored if the QRLMMONEXT data area exists and the length of the QRLMMONEXT data area is at least 30 characters. If the QRLMMONEXT data area does not exist, or exists with a length less than 30 characters, the QRLMMONQ data area will continue to be used on existing IBM i releases. In a future release, the QRLMMONQ data area will be deprecated entirely, so it is advised that current users of the QRLMMONQ data area discontinue the use of

that data area. Instead, specify the library of the intended monitor exit in character positions 21 to 30 in the QRLMMONEXT data area. This change will ensure that the correct program is used as a monitor exit.

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 SI75970 and SI75971 for 7.2 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI75972 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI75973 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C0296720, or higher, applied to run server version 10.5.0.2.

Important: If you are upgrading to server version 10.5.0.2 from a server version prior to 9.5.0.4, review the information in the **Important** note in the SERVER UPGRADE TO 9.5.0.4 topic regarding the check for negative mask values in your Content Manager OnDemand database.

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 10.5.0.2. 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 7.2 and are currently at version 7.1, 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 SI74605 and SI74606 for 7.2 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI74607 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI74608 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C0114720, or higher, applied to run server version 10.5.0.1.

Important: If you are upgrading to server version 10.5.0.1 from a server version prior to 9.5.0.4, review the information in the **Important** note in the SERVER UPGRADE TO 9.5.0.4 topic regarding the check for negative mask values in your Content Manager OnDemand database.

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 10.5.0.1. 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 7.2 and are currently at version 7.1, 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 SI72550, SI72558, and SI72578 for V7.2 (or their superseding PTFs) provide the updated server version and related PTFs, along with PTF SI72559 (or its superseding PTF) for Content Manager OnDemand Web Enablement Kit (ODWEK), PTF SI72560 (or its superseding PTF) for PDF Indexer, and PTF SI72591 (or its superseding PTF) for Enhanced Retention Management.

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 V7.2 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 7.1, which is no longer unsupported), you must be running Content Manager OnDemand server version 9.5.x.x or higher prior to upgrading to Content Manager OnDemand for i V7.2 and server version 10.5.0.0. You should review all of the topics below that were introduced when V7.2 became generally available and also the topics that were introduced when server versions 9.5.0.0 and 10.1.0.1 became generally available. These topics are listed under the [VERSION 7.2 GENERAL AVAILABILITY \(GA\)](#) heading, the [SERVER UPGRADE TO 9.5.0.0](#) heading, and the [SERVER UPGRADE TO 10.1.0.1](#) heading.

If you are upgrading from a previous server version of Content Manager OnDemand already at V7.2, you must be running Content Manager OnDemand server version 9.5.0.0 or higher prior to upgrading to server version 10.5.0.0, which is the minimum 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 SI70210 and SI70211 for 7.2 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI70212 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI70213 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C9123720, or higher, applied to run server version 10.1.0.5.

Important: If you are upgrading to server version 10.1.0.5 from a server version prior to 9.5.0.4, review the information in the **Important** note in the SERVER UPGRADE TO 9.5.0.4 topic regarding the check for negative mask values in your Content Manager OnDemand database.

It is also very important to note that, if you are upgrading from a version prior to 10.1.0.0 (such as 9.5.x.x), you should review all of the 10.1.0.0 topics below that are also true at 10.1.0.5. Carefully note the minimum server version requirements for 10.1.0.0, which are also true for 10.1.0.5. If you are reading this document as part of the process of upgrading to version 7.2 and are currently at version 7.1, 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 10.1.0.5 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.

SERVER UPGRADE TO 10.1.0.4

New server version (10.1.0.4) available October, 2018

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 SI68394 and SI68395 for 7.2 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI68396 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI68397 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C8032720, or higher, applied to run server version 10.1.0.4.

Important: If you are upgrading to server version 10.1.0.4 from a server version prior to 9.5.0.4, review the information in the **Important** note in the SERVER UPGRADE TO 9.5.0.4 topic regarding the check for negative mask values in your Content Manager OnDemand database.

It is also very important to note that, if you are upgrading from a version prior to 10.1.0.0 (such as 9.5.x.x), you should review all of the 10.1.0.0 topics below that are also true at 10.1.0.4. Carefully note the minimum server version requirements for 10.1.0.0, which are also true for 10.1.0.4. If you are reading this document as part of the process of upgrading to version 7.2 and are currently at version 7.1, 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 10.1.0.4 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 changes documented in the Content Manager OnDemand for Multiplatforms 10.1.0.4 fix pack readme files affect the Content Manager OnDemand for i platform.

Faster sample data downloads with the OnDemand Administrator client

The OnDemand Administrator client’s graphical indexer enables the user to search for a list of spooled files on an IBM i server and transfer one of the spooled files in the list to the workstation as sample data. The file transfer was originally implemented using APIs that are part of the IBM i Access Client Solutions product. Transferring files this way is much slower than using a file transfer method. Because of this, a change was made in server version 10.1.0.4 to use a Content Manager OnDemand file transfer API. Both the V10.1.0.4 OnDemand Administrator client and the V10.1.0.4 server are required for this change to be implemented. The new file transfer method is used to download the list of spooled files and to download the actual contents of the spooled file that is selected.

SERVER UPGRADE TO 10.1.0.3

New server version (10.1.0.3) available April, 2018

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 SI67272 and SI67273 for 7.2 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI67274 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI67275 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C8032720, or higher, applied to run server version 10.1.0.3.

Important: If you are upgrading to server version 10.1.0.3 from a server version prior to 9.5.0.4, review the information in the **Important** note in the SERVER UPGRADE TO 9.5.0.4 topic regarding the check for negative mask values in your Content Manager OnDemand database.

It is also very important to note that, if you are upgrading from a version prior to 10.1.0.0 (such as 9.5.x.x), you should review all of the 10.1.0.0 topics below that are also true at 10.1.0.2. Carefully note the minimum server version requirements for 10.1.0.0, which are also true for 10.1.0.3. If you are reading this document as part of the process of upgrading to version 7.2 and are currently at version 7.1, 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 10.1.0.3 server version can be found in the Content Manager OnDemand for Multiplatforms 10.1.0.3 fix pack readme files at www.ibm.com/support/pages/node/619069 or at www.ibm.com using “ibm 619069” (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 10.1.0.3 fix pack readme files affect the Content Manager OnDemand for i platform.

SERVER UPGRADE TO 10.1.0.2

New server version (10.1.0.2) available December, 2017

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 SI66433, SI66460, and SI66461 for 7.2 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI66462 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI66463 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C7068720, or higher, applied to run server version 10.1.0.2.

Important: If you are upgrading to server version 10.1.0.2 from a server version prior to 9.5.0.4, review the information in the **Important** note in the [SERVER UPGRADE TO 9.5.0.4](#) topic regarding the check for negative mask values in your Content Manager OnDemand database.

It is also very important to note that, if you are upgrading from a version prior to 10.1.0.0 (such as 9.5.x.x), you should review all of the 10.1.0.0 topics below that are also true at 10.1.0.2. Carefully note the minimum server version requirements for 10.1.0.0, which are also true for 10.1.0.2. If you are reading this document as part of the process of upgrading to version 7.2 and are currently at version 7.1, 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 10.1.0.2 server version can be found in the Content Manager OnDemand for Multiplatforms 10.1.0.2 fix pack readme files at www.ibm.com/support/pages/node/598737 or at www.ibm.com using “ibm 598737” (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 10.1.0.2 fix pack readme files affect the Content Manager OnDemand for i platform.

SERVER UPGRADE TO 10.1.0.1

New server version (10.1.0.1) available August, 2017

A new version of the Content Manager OnDemand server software is now available via PTFs for your IBM i system. It is important to note that server version 10.1.0.1 is the first release of version 10.1 available on Content Manager OnDemand for i V7.2, which means that there are a significant number of enhancements and changes included in these PTFs. Details are listed below under the [What's new in server version 10.1.0.0](#) heading. Content Manager OnDemand (program product 5770-RD1) PTFs SI64909, SI64913, SI64935, SI64936, and SI65110 for 7.2 (or their superseding PTFs) provide the updated server version and related PTFs, along with PTF SI65111 (or its superseding PTF) for Content Manager OnDemand Web Enablement Kit (ODWEK), PTF SI65112 (or its superseding PTF) for PDF Indexer, and PTF SI65113 (or its superseding PTF) for Enhanced Retention Management. In addition, operating system (program product 5770-SS1) PTF SI63146 is a required prerequisite for the 10.1.0.1 server upgrade PTFs. You must also have operating system (5770-SS1) cumulative PTF package C7068720, or higher, applied to run server version 10.1.0.1.

Enhancements are also available for the Content Manager OnDemand component of IBM Navigator for i browser-based administration tool. Details are listed below under the [What's new in server version 10.1.0.0](#) heading. Content Manager OnDemand PTF SI64098 provides the update.

Important: If you are upgrading to server version 10.1.0.1 from a server version prior to 9.5.0.4, review the information in the **Important** note in the [SERVER UPGRADE TO 9.5.0.4](#) topic regarding the check for negative mask values in your Content Manager OnDemand database.

You should review all of the topics below that were introduced when server version 10.1.0.0 became generally available. Note that minimum software versions have changed at server version 10.1 and are described below.

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 the 10.1.0.0 server version can be found in the Content Manager OnDemand for Multiplatforms 10.1.0.0 Readme files at www.ibm.com/support/pages/node/618231 or at www.ibm.com using “ibm 618231” (without the quotes) as search criteria. Information regarding the changes included with the 10.1.0.1 server version can be found in the Content Manager OnDemand for Multiplatforms 10.1.0.1 Readme files at www.ibm.com/support/pages/node/608519 or at www.ibm.com using “ibm 608519” (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 10.1.0.0 and 10.1.0.1 Readme files affect the Content Manager OnDemand for i platform.

What's new in server version 10.1.0.0

Many new enhancements have been added to server version 10.1.0.0, which is released for the first time on V7.2 at version 10.1.0.1. Some of the most significant for IBM i customers include:

- **New System Administrator (Read-Only) user type**
 - In the OnDemand Administrator client, objects can be viewed and summarized. Add, Update, Delete, Copy, and Export options are not available; Trace Parameters and System Parameters can be viewed but not updated. With ARSXML, all objects can be exported, including Trace Parameters and System Parameters.
- **New Encryption support**
 - Encrypts physical documents at rest utilizing AES256 encryption regardless of the external storage manager.
- **New Unique ID support**
 - Provides a unique ID for each document stored in Content Manager OnDemand.
- **New Hash SHA-256 support**
 - Stores a 64-byte string generated by using the SHA-256 algorithm for each document in the database.
- **New 64-bit Content Manager OnDemand administrator, end-user, and monitor clients**
 - 32-bit and 64-bit clients can co-exist on a 64-bit workstation.
 - For details regarding default directory path names, registry keys, and other considerations, see the Content Manager OnDemand Windows Client Customization Guide.
 - The following limitations exist in the 64-bit clients but are fully supported in the 32-bit clients:
 - In the 64-bit OnDemand Administrator client, the following are not supported:
 - Graphical indexer markup of PDF documents
 - In the 64-bit OnDemand end-user client, the following are not supported:
 - CD-ROM mastering
 - Adobe Acrobat (for viewing PDF documents seamlessly within the client viewing window vs. viewing in a separate window with Adobe Reader)
 - OLE interfaces
 - DDE interfaces
- **OS/400 indexer rewritten**
 - For improved performance and error handling.
- **New Add Document function on File menu**
 - Allows you to add individual documents from your workstation to a Content Manager OnDemand folder. Support is included in the Content Manager OnDemand end-user client.
- **New UTF-8 database fields support for new Content Manager OnDemand instances**
 - The Create Instance (CRTINSTOND) command will add the new ARS_IBMI_UTF8_TABLES setting in the ARS.CFG file. It must not be added manually to existing instances. Support is included in the Content Manager OnDemand Administrator client and the Create instance (CRTINSTOND) command.
- **New support for multiple Page Piece Dictionaries (PPDs) on a PDF page (with the PDF indexer)**
 - Offering additional choices for PDF indexing.
- **Additional Content Manager OnDemand Administrator client and ARSXML batch administration program enhancements:**
 - Default setting for Database Organization for application group definitions is now Single table for all loads. Support is included in the Content Manager 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.

- 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 Content Manager 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 and the Data Distribution objects. Support is included in the Content Manager OnDemand Administrator client.
- New Choose Details function now available for servers: Allows you to select the columns of server information that you wish to display in the list control view. Support is included in the Content Manager 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 Content Manager OnDemand Administrator client.
- New Display Document Hold check box: Added to Enhanced Retention Management (ERM) dialog to determine whether the Content Manager 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.
- Application groups with Time (old style) fields can now be copied. Support is included in the Content Manager OnDemand Administrator client.
- Productivity and usability enhancements, such as the reduction in the total number of clicks required to perform administrative functions in the Content Manager OnDemand Administrator client.
- **IBM Navigator for i enhancements (released with V10.1 server upgrade PTFs):**
 - Single source for V7.1, V7.2, and V7.3; not dependent on Content Manager OnDemand server version.
 - 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 added to monitor definitions and Start Monitor dialog.
 - Check interval added to directory monitor definitions and Start Monitor dialog.
 - Undesirable migration policy aggregation size limits deprecated.
 - Other usability improvements added.
- **Additional enhancements:**
 - Tivoli Storage Manager (TSM), now known as IBM Spectrum Protect, is still supported as TSM in V10.1. Note that TSM support on IBM i requires the use of a Content Manager OnDemand for Multiplatforms object server.
 - ARSSUPPORT enhancements, including ability to capture the OS name in addition to the OS version in the SystemInfo.txt file, and to display assigned user IDs from the stash file used by the instance in the Instance_ .txt file.
 - ARSXLIN enhancements, including the ability to handle overstrikes, and to add an image when creating a PDF document.
 - New Content Manager OnDemand Web Enablement Kit (ODWEK) Java API to check if current user can load documents to the current Content Manager OnDemand server.
 - PDF indexer now writes one of the temp files created at load time to the default temporary directory instead of the input directory.
- **Content Manager OnDemand V10.1 deprecates or removes the following functions previously supported:**
 - OnDemand Web Enablement Kit (ODWEK) CGI/Servlet support no longer shipped: Support for CGI/Servlet was deprecated at V9.0 and has been removed from the product at V10.1. The recommended replacement product is IBM Content Navigator (ICN). IBM Content Navigator product information can be found on the web at www.ibm.com/marketplace/content-navigator.
 - OnDemand Web Enablement Kit (ODWEK) Image Plugin (ActiveX) no longer shipped.
 - ODF email template objects no longer used: Use the ARSODF.XML file instead to define a default email template for sending ODF distributions as email attachments. Support for email template objects is removed from Content Manager OnDemand Administrator client and ARSXML.
 - The applicationGroup object attribute, logDBQueries, functions exactly as logDBQueriesBefore, both in input and output. The logDBQueries attribute is redundant and is removed from the V10.1 schema for use with ARSXML.

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 10.1.0.0 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 10.1.0.0 (C G). If you have reviewed this Read This First document and the cover letters for the PTFs and are ready to upgrade to 10.1.0.0, 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 OnDemand server version 8.4.1.x or higher prior to upgrading to server version 10.1.0.0

If you are upgrading from a previous version of Content Manager OnDemand (such as version 7.1), you must be running Content Manager OnDemand server version 8.4.1.x or higher prior to upgrading to Content Manager OnDemand for i version 7.2, due to the inclusion of server version 10.1.0.1 PTFs that will be installed as part of the upgrade to 7.2. If you upgrade from 8.4.1.x, you will receive error message ARS4012E in the server job log the first time you start your Content Manager OnDemand instance server(s). Follow the instructions in that message to set the ARS_ORIGINAL_CODEPAGE parameter value in your ARS.CFG configuration file. After adding the ARS_ORIGINAL_CODEPAGE parameter to the ARS.CFG file, you should restart each instance server. If you are already at server version 8.5.0.5 or higher, your ARS_ORIGINAL_CODEPAGE parameter value will already be defined. No changes to the ARS.CFG file are required; your instance server(s) should start successfully on the first attempt.

If you are upgrading from a previous server version of Content Manager OnDemand already at 7.2, you will already be running OnDemand server version 9.0.0.3 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 OnDemand Web Enablement Kit (ODWEK) versions required for server version 10.1.0.0

Minimum version requirements for the OnDemand end-user client, OnDemand Administrator client, and 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 have been 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 10.1.x.x will only be able to access a 9.0.0.0 or higher Content Manager OnDemand server

The 10.1.x.x versions of the OnDemand clients (such as the end-user Windows client and ODWEK) will only work against a 9.0.0.0 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 9.0.0.0 or higher before upgrading your client software to 10.1.x.x. As stated above, however, your end-users can run at any client version 9.0.0.0 or higher against a 10.1.x.x server, so you can run in a mixed server version environment and simply keep your end-users at a client version below 10.1.x.x until all servers in your network are running at 9.0.0.0 or higher.

The OnDemand Administrator client at 10.1.x.x will only work against a 9.0.0.0 or higher server

The 10.1.x.x versions of the OnDemand Administrator client work against any 9.0.0.0 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 9.0.0.0 or higher before upgrading your OnDemand Administrator client software to 10.1.x.x.

The Content Manager OnDemand batch administration program (ARSXML) at 10.1.0.0 will only work against an 9.0.0.0 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 9.0.0.0 or higher before upgrading to the 10.1.0.0 server version. The 10.1.0.0 version of the ARSXML API will only work against a 9.0.0.0 or higher server.

Content Manager OnDemand servers used to remotely load data should all be at a 10.1.x.x 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 10.1.x.x or higher.

UTF-8 support

Server version 10.1.0.0 adds UTF-8 support on IBM i. UTF-8 support is sometimes referred to as Unicode support. UTF-8 support is valid only for new instances. Conversion of existing instances to UTF-8 is not supported. When creating an instance using the Create Instance (CRTINSTOND) command, there is a new Database files CCSID (DBFCCSID) parameter available. If the DBFCCSID parameter value is specified as *UTF8 when you run the CRTINSTOND command, a parameter entry of ARS_IBMI_UTF8_TABLES=1 is added to the ARS.CFG file for the instance. This parameter setting causes all character fields in all database files in the instance to be created with a CCSID setting of 1208. The ARS_IBMI_UTF8_TABLES parameter value must not be changed after the instance is created. The ARS_IBMI_UTF8_TABLES parameter must not be added manually to the ARS.CFG file for any new or existing instances. Note that the instance is still created with specific Language ID (LANGID) and Locale (LOCALE) parameter settings. The instance server job will run in the specified language and locale.

Jobs loading data into a UTF-8 instance must NOT have a CCSID value of 65535. If the job that is loading data has a CCSID value of 65535, the load will fail with message OND2049 - Application group not found. To resolve the problem, you can change the job to have a different CCSID value, change the CCSID setting of the user profile, or change the Coded character set identifier (QCCSID) system value.

When storing indexes in a UTF-8 instance, it is important to note that some characters will use more than one byte when stored in a UTF-8 field. Latin lowercase and uppercase characters [a-z] [A-Z] and Arabic numerals [0-9] use only one byte. Accented characters might use two bytes. DBCS characters might use two or three bytes.

When using the graphical indexer of the OnDemand Administrator client with a UTF-8 instance, the Indexer Properties dialog will be presented before your sample data is displayed. You must set the Code Page to the value that matches the data being indexed.

When indexes are stored, they are converted from the Code Page specified on the Indexer Properties dialog to UTF-8 (CCSID 1208). String conversion between code pages might result in an increase in the length of the string when data is loaded on the server. For example, the OnDemand Administrator client might require two bytes to display a double-byte character, yet the server might require three bytes to store the character in the database.

When selecting a string, the graphical indexer increases the string length to a size that is sufficient to hold the data that you have selected. If you expect that other possible values for the field might require more space than Content Manager OnDemand calculated, you can override the length by typing a different number in the space provided.

When storing data for languages such as Greek, Russian, and Arabic, it is recommended that you create application group string fields that are double the length you would use if the instance did not support UTF-8. For other languages, if your index values contain accented characters, you will need to make the fields longer.

System Administrator authority now required for all functions of Content Manager OnDemand component of IBM Navigator for i

The Content Manager OnDemand user ID that is associated with your IBM i user profile (which have identical names if you have not disabled the default security exit) must now have System Administrator authority to perform any of the operations provided by the Content Manager OnDemand component of IBM Navigator for i.

If you have disabled the default security exit such that your Content Manager OnDemand user ID and your IBM i user profile are not linked to each other, you need to ensure that a Content Manager OnDemand user ID with the same name as your IBM i user profile exists, and has System Administrator authority, in order to perform any of the operations provided by the Content Manager OnDemand component of IBM Navigator for i.

Prior to applying the IBM Navigator for i PTFs recommended with server version 10.1.0.0, System Administrator authority was only required to create migration policies.

New commands to query, retrieve, and print archived documents

Three new commands are available as user-friendly interfaces to the QUERY, GET, and PRINT functions of the ARSDOC API. The commands are Query Document (QRYDOCOND), Retrieve Document (RTVDOCOND), and Print Document (PRTDOCOND). Because the commands are provided via PTF after the original release of V7.2, they do not include help text. Command descriptions and help text for the three commands can be found on the web at www.ibm.com/support/pages/node/562357 or at www.ibm.com using “ibm 562357” (without the quotes) as search criteria.

New parameter to force ASM to end at specified time or after specified number of hours

The Start Archived Storage Management (STRASMOND) command has a new parameter that is named Force ASM to end (ENDASM) that specifies whether you want to force the ASM process to end, and if so, when it should end. You can force ASM to end after a specified number of hours or at a specified time.

SERVER UPGRADE TO 9.5.0.7

New server version (9.5.0.7) available November, 2016

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) PTF SI62747 for V7.2 (or its superseding PTF) provides the updated server version for *BASE, along with PTF SI62748 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI62749 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C6127720, or higher, applied to run server version 9.5.0.7.

Important: If you are upgrading to server version 9.5.0.7 from a server version prior to 9.5.0.4, review the information in the **Important** note in the [New server version \(9.5.0.4\) available December, 2015](#) topic regarding the check for negative mask values in your Content Manager OnDemand database.

It is also very important to note that, if you are upgrading from a version prior to 9.5.0.0 (such as 8.5.x.x), you should review all of the 9.5.0.0 topics below that were introduced at 9.5.0.0 and are still true at 9.5.0.7. These topics are listed under the October 24, 2014 heading in the Summary of Changes. Carefully note the minimum server version requirements for 9.5.0.0, which are also true for 9.5.0.7. If you are reading this document as part of the process of upgrading to version 7.2 and are currently at version 5.4, 6.1, or at 7.1 at a server version prior to 8.5.x.x, you should also read the Read This First document for V7.1, which can be found on the web at www.ibm.com/support/pages/node/323955 or at www.ibm.com using “ibm 323955” (without the quotes) as search criteria. This information covers changes made prior to V7.2 that might be applicable to your environment.

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 9.5.0.7 server version can be found in the Content Manager OnDemand for Multiplatforms 9.5.0.7 fix pack readme files at www.ibm.com/support/pages/node/607997 or at www.ibm.com using “ibm 607997” (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 9.5.0.7 fix pack readme files affect the Content Manager OnDemand for i platform.

SERVER UPGRADE TO 9.5.0.6

New server version (9.5.0.6) available July, 2016

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 SI61200 and SI61201 for 7.2 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI61203 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK) and PTF SI61202 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C6127720, or higher, applied to run server version 9.5.0.6.

Important: If you are upgrading to server version 9.5.0.6 from a server version prior to 9.5.0.4, review the information in the **Important** note in the [New server version \(9.5.0.4\) available December, 2015](#) topic regarding the check for negative mask values in your Content Manager OnDemand database.

It is also very important to note that, if you are upgrading from a version prior to 9.5.0.0 (such as 8.5.x.x), you should review all of the 9.5.0.0 topics below that were introduced at 9.5.0.0 and are still true at 9.5.0.6. These topics are listed under the October 24, 2014 heading in the Summary of Changes. Carefully note the minimum server version requirements for 9.5.0.0, which are also true for 9.5.0.6. If you are reading this document as part of the process of upgrading to version 7.2 and are currently at version 5.4, 6.1, or at 7.1 at a server version prior to 8.5.x.x, you should also

read the Read This First document for 7.1, which can be found on the web at www.ibm.com/support/pages/node/323955 or at www.ibm.com using “ibm 323955” (without the quotes) as search criteria. This information covers changes made prior to V7.2 that might be applicable to your environment.

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 9.5.0.6 server version can be found in the Content Manager OnDemand for Multiplatforms 9.5.0.6 fix pack readme files at www.ibm.com/support/pages/node/597723 or at www.ibm.com using “ibm 597723” (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 9.5.0.6 fix pack readme files affect the Content Manager OnDemand for i platform.

SERVER UPGRADE TO 9.5.0.5

New server version (9.5.0.5) available March, 2016

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 SI60133, SI60134, and SI60135 for 7.2 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI60136 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C5311720, or higher, applied to run server version 9.5.0.5.

Important: If you are upgrading to server version 9.5.0.5 from a server version prior to 9.5.0.4, review the information in the **Important** note in the [New server version \(9.5.0.4\) available December, 2015](#) topic regarding the check for negative mask values in your Content Manager OnDemand database.

It is also very important to note that, if you are upgrading from a version prior to 9.5.0.0 (such as 8.5.x.x), you should review all of the 9.5.0.0 topics below that were introduced at 9.5.0.0 and are still true at 9.5.0.5. These topics are listed under the October 24, 2014 heading in the Summary of Changes. Carefully note the minimum server version requirements for 9.5.0.0, which are also true for 9.5.0.5. If you are reading this document as part of the process of upgrading to version 7.2 and are currently at version 5.4, 6.1, or at 7.1 at a server version prior to 8.5.x.x, you should also read the Read This First document for 7.1, which can be found on the web at www.ibm.com/support/pages/node/323955 or at www.ibm.com using “ibm 323955” (without the quotes) as search criteria. This information covers changes made prior to 7.2 that might be applicable to your environment.

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 9.5.0.5 server version can be found in the Content Manager OnDemand for Multiplatforms 9.5.0.5 fix pack readme files at www.ibm.com/support/pages/node/617309 or at www.ibm.com using “ibm 617309” (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 9.5.0.5 fix pack readme files affect the Content Manager OnDemand for i platform.

SERVER UPGRADE TO 9.5.0.4

New server version (9.5.0.4) available December, 2015

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 SI59863, SI58600, and SI58601 for 7.2 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI58603 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C5135720, or higher, applied to run server version 9.5.0.4.

Important: The first time you start each Content Manager OnDemand instance server (by using the Start TCP/IP Server (STRTCPSVR)) command) after applying the upgrade PTFs, a check is performed to determine if there are any negative mask values in the database for any application groups defined for the instance. If any negative values are found, message OND0700 is issued and that particular instance will fail to start. The details of message OND0700 are shown below, where QUSROND is the instance name:

```
Message . . . . :  INSTANCE QUSROND HAS A DATABASE PROBLEM.
Cause . . . . . :  AT LEAST ONE APPLICATION GROUP DEFINITION HAS A MASK FIELD
                   VALUE THAT IS NOT VALID.
Recovery . . . . :  CONTENT MANAGER ONDEMAND INSTANCE QUSROND CANNOT BE STARTED
```

UNTIL THE MASK FIELD VALUE IS CORRECTED. CONTACT SOFTWARE SUPPORT FOR INSTRUCTIONS TO CORRECT THE PROBLEM.

Technical description : MASK FIELDS MUST CONTAIN A VALID VALUE. IF THE INSTANCE QUSROND IS ALLOWED TO START, UNPREDICTABLE RESULTS MIGHT OCCUR.

If you have multiple instances, the check will be performed the first time each instance server is started. If you receive message OND0700, you should contact IBM software support for assistance in correcting the mask values. Review the topic titled [Check for negative mask values](#) in this Read This First document for additional information, including an SQL query that you can run either before or after you upgrade to identify any application groups that contain negative mask values. It is recommended that you run the SQL query and contact IBM software support if necessary *before* you apply the server upgrade PTFs listed above so that the corrections can be made before you upgrade.

It is also very important to note that, if you are upgrading from a version prior to 9.5.0.0 (such as 8.5.x.x), you should review all of the 9.5.0.0 topics below that were introduced at 9.5.0.0 and are still true at 9.5.0.4. These topics are listed under the October 24, 2014 heading in the Summary of Changes. Carefully note the minimum server version requirements for 9.5.0.0, which are also true for 9.5.0.4. If you are reading this document as part of the process of upgrading to version 7.2 and are currently at version 5.4, 6.1, or at 7.1 at a server version prior to 8.5.x.x, you should also read the Read This First document for V7.1, which can be found on the web at www.ibm.com/support/pages/node/323955 or at www.ibm.com using “ibm 323955” (without the quotes) as search criteria. This information covers changes made prior to V7.2 that may be applicable to your environment.

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 9.5.0.4 server version can be found in the Content Manager OnDemand for Multiplatforms 9.5.0.4 fix pack readme files at www.ibm.com/support/pages/node/617041 or at www.ibm.com using “ibm 617041” (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 9.5.0.4 fix pack readme files affect the Content Manager OnDemand for i platform.

SERVER UPGRADE TO 9.5.0.3

New server version (9.5.0.3) available August, 2015

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 SI57451, SI57452, SI57453, and SI57512 for 7.2 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI57454 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C5135720, or higher, applied to run server version 9.5.0.3.

It is very important to note that, if you are upgrading from a version prior to 9.5.0.0 (such as 8.5.x.x), you should review all of the 9.5.0.0 topics below that were introduced at 9.5.0.0 and are still true at 9.5.0.3. These topics are listed under the October 24, 2014 heading in the Summary of Changes. Carefully note the minimum server version requirements for 9.5.0.0, which are also true for 9.5.0.3. If you are reading this document as part of the process of upgrading to version 7.2 and are currently at version 5.4, 6.1, or at 7.1 at a server version prior to 8.5.x.x, you should also read the Read This First document for 7.1, which can be found on the web at www.ibm.com/support/pages/node/323955 or at www.ibm.com using “ibm 323955” (without the quotes) as search criteria. This information covers changes made prior to V7.2 that may be applicable to your environment.

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 9.5.0.3 server version can be found in the Content Manager OnDemand for Multiplatforms 9.5.0.3 fix pack readme files at www.ibm.com/support/pages/node/596765 or at www.ibm.com using “ibm 596765” (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 9.5.0.3 fix pack readme files affect the Content Manager OnDemand for i platform.

SERVER UPGRADE TO 9.5.0.2

New server version (9.5.0.2) available April, 2015

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 SI56282, SI56283, SI56284, and SI56285 for 7.2 (or

their superseding PTFs) provide the updated server version for *BASE, along with PTF SI56286 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C4276720, or higher, applied to run server version 9.5.0.2.

It is very important to note that, if you are upgrading from a version prior to 9.5.0.0 (such as 8.5.x.x), you should review all of the 9.5.0.0 topics below that were introduced at 9.5.0.0 and are still true at 9.5.0.2. These topics are listed under the October 24, 2014 heading in the Summary of Changes. Carefully note the minimum server version requirements for 9.5.0.0, which are also true for 9.5.0.2. If you are reading this document as part of the process of upgrading to version 7.2 and are currently at version 5.4, 6.1, or at 7.1 at a server version prior to 8.5.x.x, you should also read the Read This First document for 7.1, which can be found on the web at www.ibm.com/support/pages/node/323955 or at www.ibm.com using “ibm 323955” (without the quotes) as search criteria. This information covers changes made prior to V7.2 that may be applicable to your environment.

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 9.5.0.2 server version can be found in the Content Manager OnDemand for Multiplatforms 9.5.0.2 fix pack readme files at www.ibm.com/support/pages/node/606483 or at www.ibm.com using “ibm 606483” (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 9.5.0.2 fix pack readme files affect the Content Manager OnDemand for i platform.

SERVER UPGRADE TO 9.5.0.1

New server version (9.5.0.1) available December, 2014

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 SI55488, SI55489, SI55490, and SI56312 for 7.2 (or their superseding PTFs) provide the updated server version for *BASE, along with PTF SI55491 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C4276720, or higher, applied to run server version 9.5.0.1.

It is very important to note that, if you are upgrading from a version prior to 9.5.0.0 (such as 8.5.x.x), you should review all of the 9.5.0.0 topics below that were introduced at 9.5.0.0 and are still true at 9.5.0.1. These topics are listed under the October 24, 2014 heading in the Summary of Changes. Carefully note the minimum version requirements for 9.5.0.0, which are also true for 9.5.0.1. If you are reading this document as part of the process of upgrading to version 7.2 and are currently at version 5.4, 6.1, or at 7.1 at a server version prior to 8.5.x.x, you should also read the Read This First document for 7.1, which can be found on the web at www.ibm.com/support/pages/node/323955 or at www.ibm.com using “ibm 323955” (without the quotes) as search criteria. This information covers changes made prior to V7.2 that may be applicable to your environment.

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 9.5.0.1 server version can be found in the Content Manager OnDemand for Multiplatforms 9.5.0.1 fix pack readme files at www.ibm.com/support/pages/node/615419 or at www.ibm.com using “ibm 615419” (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 9.5.0.1 fix pack readme files affect the Content Manager OnDemand for i platform.

Server version 9.5.0.1 PTF SI56312 description and workaround available

Content Manager OnDemand PTF SI56312 is now required for server version 9.5.0.1. Without this PTF, the Add Report to OnDemand (ADDRPTOND command fails once your server version is upgraded to 9.5.0.1 unless the user profile that issues the command has *ALLOBJ special authority. This is true for a user profile that could previously issue the command successfully.

The following error might be seen in a spawned QZSHSHS job log:

```
MCH1001 Escape 40 03/13/15 10:51:26.959867 #auexcpt 000C18 QP0ZEXEC
To module . . . . . : QP0ZEXECUT
To procedure . . . . . : run__14Qp0zExecutableFv
Statement . . . . . : 6
Message . . . . . : Attempt to use permanent system object
```


XERCESL311 without authority.

To resolve or prevent this problem, either apply Content Manager OnDemand PTF SI56312 or issue the following three commands:

```
CHGOBJOWN OBJ(QRDARS/XERCESL311) OBJTYPE(*SRVPGM) NEWOWN(QRDARS400)
CUROWNOUT(*REVOKE)

GRTOBJAUT OBJ(QRDARS/XERCESL311) OBJTYPE(*SRVPGM) AUTL(QONDADM)

GRTOBJAUT OBJ(QRDARS/XERCESL311) OBJTYPE(*SRVPGM) USER(*PUBLIC) AUT(*AUTL)
```

SERVER UPGRADE TO 9.5.0.0

New server version (9.5.0.0) available October, 2014

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 SI55008, SI55009, SI55056, SI55069, and SI55071 for 7.2 (or their superseding PTFs) provide the updated server version and related PTFs, along with PTF SI55057 (or its superseding PTF) for Content Manager OnDemand Web Enablement Kit (ODWEK), PTF SI55058 (or its superseding PTF) for PDF Indexer, and PTF SI55059 (or its superseding PTF) for Enhanced Retention Management.

You should review all of the topics below that were introduced when V7.2 became generally available. These topics are listed below under the VERSION 7.2 GENERAL AVAILABILITY heading. Note that minimum software versions have changed at server version 9.5 and are described under this SERVER UPGRADE to 9.5.0.0 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 the 9.5.0.0 server version can be found in the OnDemand for Multiplatforms 9.5.0.0 Readme files at www.ibm.com/support/pages/node/605643 or at www.ibm.com using “ibm 605643” (without the quotes) as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 9.5.0.0 Readme files affect the Content Manager OnDemand for i platform.

What's new in server version 9.5.0.0

Many new enhancements have been added to server version 9.5.0.0. Some of the most significant for IBM i customers include:

- Content Manager OnDemand Web Enablement Kit (ODWEK) enhancements:
- The new XML Indexer supports the loading of files similar to the generic indexer using a defined XML format. The schema definition for the XML indexer defines an alternate method of specifying data.
- The XML data type is supported and the data type is native to OnDemand.
- The PDF Indexer now supports the use of regular expressions for locating both triggers and fields. See the Content Manager OnDemand Indexing Reference for version 9.5 for more information.
- Changes have been to the install path for the OnDemand clients.
- Support is included for the Russian and Turkish locales.
- The ARSVIEW program has been replaced by ARSXAFP for AFP data and ARSXLINE for Line and SCS data.

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 OnDemand instance (by using the Start TCP/IP Server (STRTCPSVR) command) after applying the 9.5.0.0 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 9500 (C G). If you have reviewed this Read This First document and the cover letters for the PTFs and are ready to upgrade to 9.5.0.0, 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 8.4.1.x or higher prior to upgrading to server version 9.5.0.0

If you are upgrading from a previous version of OnDemand (such as 5.4 or 6.1), you must be running OnDemand server version 8.4.1.x or higher prior to upgrading to OnDemand for i Version 7 Release 2, due to the inclusion of server version 9.5.0.0 PTFs that will be installed as part of the upgrade to 7.2.

If you are upgrading from a previous server version of OnDemand already at 7.2, you will already be running OnDemand server version 9.0.0.3, 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 OnDemand Web Enablement Kit (ODWEK) versions required for server version 9.5.0.0

Minimum version requirements for the OnDemand end-user client, OnDemand Administrator client, and 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 CGI, Servlet, and Java APIs. If you use IBM Content Navigator (ICN), see the appropriate documentation for that product to determine minimum software requirements. 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 V10.1.

Your end-users running OnDemand clients (end-user Windows client, ODWEK) at 9.5.x.x will only be able to access an 8.5.0.0 or higher OnDemand server

The 9.5.x.x versions of the OnDemand clients (such as the end-user Windows client and ODWEK) will only work against an 8.5.0.0 or higher OnDemand server. Therefore, it is important to note that, if you have multiple systems in your network that run OnDemand server software, you must make sure they are all running server version 8.5.0.0 or higher before upgrading your client software to 9.5.x.x. As stated above, however, your end-users can run at any client version 8.5.0.0 or higher against a 9.5.x.x. server, so you can run in a mixed server version environment and simply keep your end-users at a client version below 9.5.x.x until all servers in your network are running at 8.5.0.0 or higher.

The OnDemand Administrator client at 9.5.x.x will only work against an 8.5.0.0 or higher server

The 9.5.x.x versions of the OnDemand Administrator client work against any 8.5.0.0 or higher server. Therefore, it is important to note that, if you have multiple systems in your network that run OnDemand server software, you must make sure they are all running 8.5.0.0 or higher before upgrading your OnDemand Administrator client software to 9.5.x.x.

The Content Manager OnDemand batch administration API (ARSXML) at 9.5.0.0 will only work against an 8.5.0.0 or higher server

If you use the ARSXML API on one OnDemand system to maintain other OnDemand systems in your network, you must make sure they are all running 8.5.0.0 or higher before upgrading to the 9.5.0.0 server version. The 9.5.0.0 version of the ARSXML API will only work against an 8.5.0.0 or higher server.

Content Manager OnDemand servers used to remotely load data should all be at a 9.5.x.x or higher server version

If you load data to one OnDemand server from a different OnDemand server, both the source and the target servers must be running server version 9.5.x.x or higher.

Environment variables must be set for certain circumstances

If you use the ARSLOAD API, you must set the environment variable named QIBM_MULTI_THREADED=Y. This is not required if you use the Add Report to OnDemand (ADDRPTOND) command to load data instead of ARSLOAD.

If you use the ARSPDOCI or ARSPDUMP API, you must set the environment variable named QIBM_MULTI_THREADED=Y, the environment variable named LIBPATH=/QIBM/ProdData/OnDemand/bin, and the environment variable named ICU_DATA=/QIBM/PRODDATA/ONDEMAND/LOCALE.

Setting an environment variable can be done from the IBM i command line (by using either the Add Environment Variable (ADDENVVAR) or Change Environment Variable (CHGENVVAR) command) or from the qsh command line (by using the export command). The examples below use the ADDENVVAR command.

From the IBM i command line:

```
ADDENVVAR ENVVAR(QIBM_MULTI_THREADED) VALUE(Y)
ADDENVVAR ENVVAR(LIBPATH) VALUE(' /QIBM/ProdData/OnDemand/bin')
ADDENVVAR ENVVAR(ICU_DATA) VALUE(' /QIBM/PRODDATA/ONDEMAND/LOCALE')
```

Setting an environment variable in this way sets it at the job level, before starting qsh, and affects only the job where it is run, and any qsh jobs started from that job.

OR

```
ADDENVVAR ENVVAR(QIBM_MULTI_THREADED) VALUE(Y) LEVEL(*SYS)
ADDENVVAR ENVVAR(LIBPATH) VALUE(' /QIBM/ProdData/OnDemand/bin') LEVEL(*SYS)
ADDENVVAR ENVVAR(ICU_DATA) VALUE(' /QIBM/PRODDATA/ONDEMAND/LOCALE') LEVEL(*SYS)
```

Setting an environment variable in this way sets it at the system level, which affects all jobs.

OR

From the qsh command line:

```
export QIBM_MULTI_THREADED=Y
export LIBPATH=/QIBM/ProdData/OnDemand/bin
export ICU_DATA=/QIBM/PRODDATA/ONDEMAND/LOCALE
```

Setting an environment variable in this way affects only the qsh job where the command is run.

ARSLOAD now automatically removes duplicate records

Starting at server version 9.5, the ARSLOAD API automatically removes duplicate records during the load process. You no longer need to specify **sort -u** or **sort | uniq** commands. If you do, you will see a message issued that is similar to the following: ARS4343I Postprocess Command >(sort -u) WAS IGNORED, NOW DONE INTERNALLY<

VERSION 7.2 GENERAL AVAILABILITY (GA)

What's New in V7.2

Many new enhancements have been added to version 7.2 of Content Manager OnDemand for i. Major changes are outlined below, but the complete list 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. In addition, information regarding the changes included with the 9.0.0.3 server version (which is the server version shipped with version 7.2 of Content Manager OnDemand for i) can be found in the Content Manager OnDemand for Multiplatforms 9.0.0.3 fix pack readme files at www.ibm.com/support/pages/node/503777 or at www.ibm.com using “ibm 503777” (without the quotes) as search criteria. Note that not all of the changes documented in the Content Manager OnDemand for Multiplatforms 9.0.0.3 fix pack readme files apply to Content Manager OnDemand for i.

New software prerequisites for Content Manager OnDemand for i V7.2

Software prerequisites for IBM Content Manager OnDemand for i V7.2 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 7.2 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 capabilities in 7.2 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.

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 www.ibm.com/support/pages/node/683479 or at www.ibm.com using “683479” (without the quotes) as search criteria. IBM i Access (5770-XW1), which runs on the IBM i server, is still required for all environments.

Product restructuring

The product options for Content Manager OnDemand for i have been restructured to make installation and maintenance easier. The individual product options for 7.2 (which install separately) are as follows:

- *BASE for the Base Support (required for all others)
 - *BASE now includes Common Server (previously option 10) and Web Enablement Kit (ODWEK; 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 for PDF Indexer (optional)
- 13 for AFP Transforms (optional)
- 14 for Enhanced Retention Management (optional)

Note that if you display your installed licensed programs by using option 10 from the Work with Licensed Programs (LICPGM) menu on your IBM i 7.2 system, it will list option 13 as Enhanced Retention Management and option 14 as AFP Transforms. The list is incorrect. Product option 13 actually contains AFP Transforms and product option 14 contains Enhanced Retention Management as shown in the bulleted list above.

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.

The System i Navigator - OnDemand Archive plug-in is replaced by the web-based IBM Navigator for i - Content Manager OnDemand component that is included in the *BASE product option. Important: The System i Navigator - OnDemand Archive plug-in is not supported at 7.2 and is deleted during the upgrade process.

Product options 1 through 5 have not been supported since Content Manager OnDemand for iSeries 5.4 (licensed program number 5722-RD1). Important: If options 1 through 5 of licensed program number 5722-RD1 exist on your system during the upgrade to Content Manager OnDemand for i 7.2, they are deleted during the upgrade process. These options are:

1. Spool File Archive
2. Object Archive
3. Record Archive
4. AnyStore
5. Server (used with Spool File Archive)

You must be running OnDemand server version 8.4.0.3 or higher prior to upgrading to 7.2

If you are upgrading **from a previous release of OnDemand, you must be running OnDemand server version 8.4.0.3 or higher prior to upgrading** to Content Manager OnDemand for i Version 7 Release 2. 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 OnDemand Web Enablement Kit (ODWEK) versions required for version 7.2

Minimum version requirements for the OnDemand end-user client, OnDemand Administrator client, and 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 CGI, Servlet, and Java APIs. If you use IBM Content Navigator (ICN), see the appropriate documentation for that product to determine minimum software requirements.

When reviewing the compatibility matrix, note that the initial general availability (GA) version of Content Manager OnDemand for i version 7.2 ships with server version 9.0.0.3, but newer server versions might be available at the time you choose to upgrade to version 7.2. Review the content of this Read This First document to determine the most current server version you will be installing, and then use the compatibility matrix to determine minimum client versions required.

New web-based Content Manager OnDemand administration tool

A new web-based Content Manager OnDemand component of IBM Navigator for i is now available. This new administration interface replaces the OnDemand Archive plug-in of System i Navigator. If you are running Content Manager OnDemand for i at 7.2, you must use this new tool to administer storage management objects such as migration policies and various archive media definitions, as well as output queue and directory monitor definitions. The OnDemand Archive plug-in of System i Navigator is not supported at 7.2.

After you install Content Manager OnDemand for i 7.2, 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)
```

Command changes

In Content Manager OnDemand for i V7.2, various commands have been changed as described below. See the *Content Manager OnDemand for i: Common Server Planning and Installation Guide*, *Common Server Administration Guide*, and online help for more information.

- Both the Start Archived Storage Management (STRASMOND) command and the Start Disk Storage Management (STRDSMOND) command with STRASMOND(*YES) now place a copy of the Archived Storage Management reports into the OnDemand System Log folder after the ASM process completes. The OnDemand instance server job will be started for you automatically if the server is not started, so that the reports can be loaded. This new capability requires your OnDemand instance to have an OnDemand user defined with the same name as the instance name, defined with System Administrator authority. Newer versions of OnDemand automatically create this user during the creation of an instance, but instances created on older versions of OnDemand might not have this user defined. If you need to create the user, use the OnDemand Administrator client to copy the QONDADM user and enter the instance name for the new user name. Be sure to keep the System Administrator authority selected during the copy process.
- The Add Report to OnDemand (ADDRPTOND), Start Monitor for OnDemand (STRMONOND), and Merge Spooled Files (MRGSPLFOND) commands have a new Password stash file (STASHFILE) parameter which, if used, specifies the path and file name of a stream file that contains the user profile and password used to run the command. See the *Content Manager OnDemand for i: Administration Guide* for 7.2 for more details and instructions for creating the stash file by using the ARSSTASH command (run in qshell on your IBM i system). This parameter is optional.
- The Change Policy Level Date (CHGPLDOND) command has two new parameters. The new Processing option (OPTION) parameter allows you to specify a particular report ID (also known as load ID). This parameter enables you to change the next level date for one particular report ID, rather than the current default which is to change the policy level date for a date range of documents. If you specify *RPTID for the new OPTION parameter, a new Report ID (RPTID) parameter is enabled. These parameters are optional.

- Both the Remove Report from OnDemand (RMVRPTOND) command and the Start Disk Storage Management (STRDSMOND) command have a new Hold threshold (HLDTHLD) parameter. When using the Enhanced Retention Management feature, this new parameter specifies a threshold value that determines if and when you want Content Manager OnDemand to reload data during deletion or expiration processing. This parameter is optional.
- The Remove Report from OnDemand (RMVRPTOND) command no longer supports the Error option (ERROPT) parameter. Previously, the ERROPT parameter permitted you to specify whether or not you wanted to remove a report based on the existence of a record of the report ID in the Content Manager OnDemand System Log. Beginning at i 7.2, the RMVRPTOND command will always remove the report, regardless of whether or not the report ID is found in the System Log.
- The Print Report from OnDemand (PRTRPTOND) command now performs an EQUAL search instead of a LIKE search when searching for an output queue name if you have specified *LIBL for the output queue library. This might affect which output queue is chosen if you have multiple OnDemand printer definitions set to *LIBL for the output queue library.

Deprecated functions in Content Manager OnDemand for i V7.2

Content Manager OnDemand for i V7.2 deprecates the following functions previously supported:

- OnDemand Web Enablement Kit CGI – Existing implementations continue to be supported, but no functional enhancements are being made. 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 V10.1.
- OnDemand Web Enablement Kit Servlet – Existing implementations continue to be supported, but no functional enhancements are being made. 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 V10.1.
- OnDemand Archive plug-in to IBM System i Navigator – The OnDemand Archive plug-in is replaced by the web-based IBM Navigator for i - Content Manager OnDemand component.
- AFP2HTML viewer applet – This applet is no longer shipped or supported.
- eClient or Information Integrator for Content (II4C) – You should upgrade to IBM Content Navigator if similar function is required.
- Time field type – The Time field has been renamed Time (old style) in the OnDemand Administrator client, but there is no new Time field type. The Time (old style) field type is only available for existing application groups, and data can continue to be archived to those application groups. A new application group cannot be created with a Time (old style) field type. The administrative client provides three ways to create an application group: add, copy, export. The Time (old style) field type is not available when using the add function. When an application group is copied with a Time field, the Time (old style) field type is shown for reference but it must be changed before the new application group can be created. Beginning at version 9.5.0.5 of the Administrator client, an application group containing a Time (old style) field can be exported. The Time (old style) field type has been removed because of its limited granularity. Customers requiring Time functionality should consider using a Date/Time or Date/Time (TZ) field.

Format of load ID (also known as report ID) enhanced

The format of the OnDemand load ID (also known as the report ID) has been enhanced to include the date in a timestamp format, and to include the application ID. The load ID can be found in message text in the OnDemand System Load folder or the System Log folder for message number 87, generated when an input file is successfully loaded into OnDemand. The load ID contains the value that OnDemand generates to uniquely identify each load, such as 5547-4-0-2FAA-20130313000000-20130313000000-5548. Details regarding the individual parts of the load ID can be found in the online help text for the Print Report from OnDemand (PRTRPTOND) and Remove Report from OnDemand (RMVRPTOND) commands on your IBM i system. Whether you use the old or new format of the load ID depends on which one was generated when your data was initially loaded into OnDemand.

Starting an instance's server or running the Archive Storage Management (ASM) process for the first time after upgrading to 7.2 will take longer than usual

The first start of an OnDemand instance server job or the ASM process after the upgrade to 7.2 might take longer than usual because of a number of database changes. The most significant delay will occur if you are upgrading from a release prior to IBM i 7.1 due to the movement of instance-specific data and objects from the QUSRRDARS library into individual instance libraries. Do not end the server job or the ASM job because you are concerned that it is not

progressing. Status messages are issued during the database changes and the data movement from QUSRRDARS to the instance library. You can check these messages to confirm that the job is progressing.

Performance of indexing PDF documents with the PDF indexer significantly improved

The PDF indexer has been enhanced to provide significantly faster performance when indexing PDF documents. Some tests in the lab resulted in a reduction of up to 50% in indexing time.

Hexadecimal triggers used with PDF indexer must now be ASCII instead of EBCDIC

Due to the PDF indexer performance enhancements, hexadecimal triggers used with the PDF indexer must now be specified as ASCII, not EBCDIC. For example, a TRIGGER index parameter specified with EBCDIC hexadecimal might look like this:

```
TRIGGER1=UL(5.40,1.92),LR(6.00,2.07),*,X'D781878540F17A'
```

That trigger would need to be changed to an ASCII hexadecimal value, such as:

```
TRIGGER1=UL(5.40,1.92),LR(6.00,2.07),*,X'5061676520313A'
```

Existing applications will fail during indexing until the triggers are changed.

Change references to OnDemand Web Enablement Kit (ODWEK) applets and images directories

If you are using OnDemand Web Enablement Kit (ODWEK) and have not already done so, you should change your HTTP server configuration file (found in /www/<instance>/conf/httpd.conf where <instance> is the name of your HTTP server instance) to use the applets and images subdirectories in the ProdData subdirectory instead of the UserData subdirectory. For example, all references to /QIBM/UserData/OnDemand/www/applets should be changed to /QIBM/ProdData/OnDemand/www/applets. All references to /QIBM/UserData/OnDemand/www/images should be changed to /QIBM/ProdData/OnDemand/www/images. After the changes are made, save your configuration file, and then end and restart your HTTP server.

Reminders regarding OnDemand Web Enablement Kit (ODWEK) CGI and servlet changes included in Content Manager OnDemand for i 7.2

New plugin files: The imgplgin.exe, afpviewer.exe, and afpviewer.zip are now at version 9.0.0.3 and are available in the /QIBM/ProdData/OnDemand/www/plugins directory. These updated files should be installed on workstations that use the OnDemand Web Application.

Servlet changes and information: The ArsSVTInterface.class and the ArsWWWServlet.jar files have been updated to server version 9.0.0.3. All ODWEK WebSphere EAR files must be updated to use the new versions of the following files/directory:

- /QIBM/ProdData/OnDemand/www/applets directory
- /QIBM/ProdData/OnDemand/www/servlets directory
 - * ArsSVTInterface.class
 - * ArsWWWServlet.jar

Once the EAR file has been updated, it must be redeployed into your WebSphere ODWEK instance.

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 V10.1.

Service program name change: The service program ARSWWWSL has been changed to ARSWWWSL32. A new shared library must be created in your ODWEK WebSphere instance configuration. This is created under "Environment" "Shared Libraries" in WebSphere. Once this shared library has been created, it must be attached to the ODWEK "Enterprise Application."