IBM Content Manager OnDemand for i

IBM

Read This First

for 7.1

Read This First

Before you install IBM Content Manager OnDemand for i (OnDemand) version 7.1 or apply PTFs that update your existing version 7.1 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 7.1. It contains new and changed information related to the topics listed.

April 27, 2018 edition:

- New server version (9.5.0.11) available April, 2018

February 6, 2018 edition:

- Important planning information regarding deprecation and removal of ODWEK CGI/Servlet support
- *Removed* OnDemand 5.4, 6.1, and 7.1 ordering instructions

November 14, 2017 edition:

- New server version (9.5.0.10) available November, 2017

July 28, 2017 edition:

- New server version (9.5.0.9) available July, 2017

April 21, 2017 edition:

- New server version (9.5.0.8) available April, 2017
- System Administrator authority now required for all functions of Content Manager OnDemand component of IBM Navigator for i

December 20, 2016 edition:

- New server version (9.5.0.7) available December, 2016

August 25, 2016 edition:

- Do not switch back and forth between System i Navigator and IBM Navigator for i

July 15, 2016 edition:

- New server version (9.5.0.6) available July, 2016
- End of support for Tivoli Storage Manager (TSM) APIs
- *Updated* Importance of 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 7.1 PTFs
- *Updated* New server version (9.5.0.5) available March, 2016
- *Updated* Support for Time field data type deprecated at 9.0.0.1
- *Updated* IMPORTANT 9.5.0.1 server requirement: Warning message requires reply when you start the first OnDemand instance server after application of server upgrade PTFs

March 25, 2016 edition:

- New server version (9.5.0.5) available March, 2016
- *Removed* Start Server function enhanced because the 'verbose' startup option is now used in all cases

March 2, 2016 edition:

- *Updated* New server version (9.5.0.4) available December, 2015

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* IMPORTANT 9.5.0.1 server requirement: Environment variables must be set for certain circumstances
- Added hyperlinks to SUMMARY OF CHANGES bullets and "back to top" link in footer

SUMMARY OF CHANGES (continued)

January 21, 2016 edition:

- *Updated* IMPORTANT 9.5.0.1 server requirement: New software prerequisites

December 18, 2015 edition:

- New server version (9.5.0.4) available December, 2015

- *Updated* Check for negative mask values

- *Updated* IMPORTANT 9.5.0.1 server requirement: You must be running OnDemand server version 8.4.1.x or higher on your IBM i system prior to upgrading to OnDemand 7.1 or upgrading to server version 9.5.0.1

- IMPORTANT 9.5.0.1 server requirement: OnDemand servers used to remotely load data should all be at a 9.5.x.x or higher server version

- All server version 9.5.0.1 topic headings now include note regarding superseding of previous information

October 9, 2015 edition:

- New Check interval (CHKITV) parameter for directory monitors

- IMPORTANT 9.5.0.1 server requirement: You must be running OnDemand server version 8.4.1.x or higher on your IBM i system prior to upgrading to OnDemand 7.1 or upgrading to server version 9.5.0.1

- Warning regarding PDF indexer change at server version 9.5.0.1 and higher

- *Updated* IMPORTANT 9.5.0.1 server requirement: New software prerequisites

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

- *Removed* Running the ARSSUPPORT utility because the extra parameter is no longer required to generate additional support data

August 14, 2015 edition:

- New server version (9.5.0.3) available August, 2015

- Check for negative mask values

March 27, 2015 edition:

- *Updated* New server version (level 9.5.0.1) available March, 2015

- Server version 9.5.0.1 PTF SI56311 description and workaround available

- *Updated* Importance of getting current on PTFs

March 6, 2015 edition:

- New server version (level 9.5.0.1) available March, 2015

- What's new in server version 9.5.0.1

- IMPORTANT 9.5.0.1 server requirement: Warning message requires reply when you start the first OnDemand instance server after application of server upgrade PTFs

- IMPORTANT 9.5.0.1 server requirement: Your end-users must be running OnDemand clients (end-user Windows client, ODWEK) version 8.5.0.0 or higher after upgrading to OnDemand 7.1 or upgrading to server version 9.5.0.1

- IMPORTANT 9.5.0.1 server requirement: 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.

- IMPORTANT 9.5.0.1 server requirement: 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 OnDemand 7.1 or upgrading to server version 9.5.0.1

- IMPORTANT 9.5.0.1 server requirement: The OnDemand Administrator client at 9.5.x.x will only work against an 8.5.0.0 or higher server

- IMPORTANT 9.5.0.1 server requirement: The OnDemand batch administration API (ARSXML) at 9.5.0.1 will only work against an 8.5.0.0 or higher server

- IMPORTANT 9.5.0.1 server requirement: New software prerequisites

SUMMARY OF CHANGES (continued)

March 6, 2015 edition (continued):

- IMPORTANT 9.5.0.1 server requirement: Environment variables must be set for certain circumstances

- IMPORTANT 9.5.0.1 server requirement: Hexadecimal triggers used with PDF indexer must now be ASCII instead of EBCDIC

November 13, 2014 edition:

- IMPORTANT 9.0.0.1 server requirement: Support for eClient and Information Integrator for Content (II4C) deprecated at 9.0.0.1

October 20, 2014 edition:

- *Updated* IMPORTANT 9.0.0.1 server requirement: Your end-users must be running OnDemand clients (end-user Windows client, ODWEK) version 8.4.1.x or higher prior to upgrading to OnDemand 7.1 or upgrading to server version 9.0.0.1. (The minimum changed from version 7.1.2.8 to version 8.4.1.x.)

July 31, 2014 edition:

- When upgrading to 7.1, do not start your instance servers or run the Archived Storage Management (ASM) process until after you load and apply GA Cumulative PTF package C0096710 or higher

- IMPORTANT 9.0.0.1 server requirement: Support for Time field data type deprecated at 9.0.0.1

December 20, 2013 edition:

- New server version (level 9.0.0.3) available December, 2013

July 19, 2013 edition:

- New server version (level 9.0.0.2) available July, 2013

- HEX=U indexer parameter for PDF indexer

April 30, 2013 edition:

- Important generic indexer changes in OnDemand server version 8.5.0.5 and higher

- *Updated* New server version (level 9.0.0.1) available March, 2013 to add link to **Important server upgrade considerations** document

- *Updated* New server version (level 8.5.0.5) available June, 2012 to add link to **Important server upgrade considerations** document

March 20, 2013 edition:

- New server version (level 9.0.0.1) available March, 2013

- IMPORTANT 9.0.0.1 server requirement: You must be running OnDemand server version 8.4.0.3 or higher on your IBM i system prior to upgrading to OnDemand 7.1 or upgrading to server version 9.0.0.1

- IMPORTANT 9.0.0.1 server requirement: Your end-users must be running OnDemand clients (end-user Windows client, ODWEK) version 7.1.2.8 or higher prior to upgrading to OnDemand 7.1 or upgrading to server version 9.0.0.1

- IMPORTANT 9.0.0.1 server requirement: Your end-users running OnDemand clients (end-user Windows client, ODWEK) at 9.0.x.x will only be able to access an 8.4.1.x or higher OnDemand server.

- IMPORTANT 9.0.0.1 server requirement: Your OnDemand administrators must be running the OnDemand Administrator client or the OnDemand batch administration API (ARSXML) version 9.0.0.1 or higher after upgrading to OnDemand 7.1 or upgrading to server version 9.0.0.1

- IMPORTANT 9.0.0.1 server requirement: The OnDemand Administrator client at 9.0.x.x will only work against an 8.5.x.x or higher server

- IMPORTANT 9.0.0.1 server requirement: The OnDemand batch administration API (ARSXML) at 9.0.0.1 will only work against an 8.5.x.x or higher server

- IMPORTANT 9.0.0.1 server requirement: OnDemand servers used to remotely load data should all be at a 9.0.x.x or higher server version

SUMMARY OF CHANGES (continued)

March 20, 2013 edition (continued):

- IMPORTANT 9.0.0.1 server requirement: New date and timestamp support eliminates internal OnDemand date limitations at 9.0.0.1 server version, but requires 9.0.0.0 or higher end-user and Administrator clients to retrieve and define data that uses them

- Starting an instance's server for the first time after upgrading to the 9.0.0.1 server version will take longer than usual

- Job log messages that can be ignored when you start your OnDemand instance server(s) for the first time after upgrading to the 9.0.0.1 server version

- 9.0.0.1 highlights

- New web-based OnDemand Administration component of IBM Navigator for i now available

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

- No longer need to manually update the path to the ondemand.xsd schema file in XML used with the OnDemand Batch Administration API (ARSXML) beginning at server version 8.5.0.5

September 17, 2012 edition:

- *Updated* New server version (level 8.5.0.5) available June, 2012 to include updated list of PTFs

- *Updated* IBM XML Toolkit for System i (5733-XT2) required at 8.5.0.5 server version for customers using ARSXML to include the option of applying two OnDemand PTFs instead of installing the IBM XML Toolkit for System i

August 24, 2012 edition:

- *Updated* New server version (level 8.5.0.5) available June, 2012 to include updated list of PTFs

July 6, 2012 edition:

- *Updated* New server version (level 8.5.0.5) available June, 2012 to include updated list of PTFs

June 29, 2012 edition:

- New server version (level 8.5.0.5) available June, 2012

- IMPORTANT 8.5.0.5 server requirement: You must be running OnDemand server version 8.4.0.3 or higher on your IBM i system prior to upgrading to OnDemand 7.1 after June, 2012, or upgrading to server version 8.5.0.5

- IMPORTANT 8.5.0.5 server requirement: Your end-users must be running OnDemand clients (end-user Windows client, ODWEK, II4C (eClient)) version 7.1.2.8 or higher prior to upgrading to OnDemand 7.1 after June, 2012, or upgrading to server version 8.5.0.5

- IMPORTANT 8.5.0.5 server requirement: Your end-users running OnDemand clients (end-user Windows client, ODWEK, II4C (eClient)) at 8.5.x.x will only be able to access an 8.4.x.x or higher OnDemand server.

- IMPORTANT 8.5.0.5 server requirement: Your OnDemand administrators must be running the OnDemand Administrator client or the OnDemand batch administration API (ARSXML) version 8.5.x.x or higher after upgrading to OnDemand 7.1 after June, 2012, or upgrading to server version 8.5.0.5

- IMPORTANT 8.5.0.5 server requirement: The OnDemand Administrator client at 8.5.x.x will only work against an 8.4.1.x or higher server

- IMPORTANT 8.5.0.5 server requirement: The OnDemand batch administration API (ARSXML) at 8.5.0.5 will only work against an 8.5.x.x or higher server

- IMPORTANT 8.5.0.5 server requirement: OnDemand servers used to remotely load data should all be at an 8.5.x.x or higher server version

- Starting an instance's server for the first time after upgrading to the 8.5.0.5 server version will take longer than usual

- Job log messages that can be ignored when you start your OnDemand instance server(s) for the first time after upgrading to the 8.5.0.5 server version

- IBM XML Toolkit for System i (5733-XT2) required at 8.5.0.5 server version for customers using ARSXML

- New ARS_ORIGINAL_CODEPAGE entry automatically added to the ars.cfg file at 8.5.0.5 server version

- ODWEK users must add AddDefaultCharset utf-8 directive to httpd.conf file at 8.5.0.5 server version

- ODWEK users must clear cache and temp directories before using ODWEK at 8.5.0.5 server version

SUMMARY OF CHANGES (continued)

June 29, 2012 edition (continued):

- WEBi users must manually copy applet files at 8.5.0.5 server version
- Older versions of the Generic Indexer input file are not supported at 8.5.0.5 server version
- Unreadable Greek or Russian language message text for message RDR2798 after upgrading to the 8.5.0.5 server version
- 8.5.0.5 highlights
- AFP Web Viewer installation directory

February 10, 2012 edition:

- *Updated* IMPORTANT OnDemand Web Enablement Kit (ODWEK) Java API changes included in Content Manager OnDemand for i 7.1 (ARSWWW.INI and ARSWWW.PROPS files no longer supported when using Java APIs section)
- *Removed* IMPORTANT OnDemand Web Enablement Kit (ODWEK) Java API changes included in 8.4.1.7 server version due to the update referenced above
- *Updated* IMPORTANT OnDemand PDF Indexer changes included in Content Manager OnDemand for i 7.1 to remove a link to an Adobe website that is no longer valid
- *Updated* all links to the Content Manager OnDemand web site to reflect the new URL

December 16, 2011 edition:

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

September 14, 2011 edition:

- IMPORTANT OnDemand Web Enablement Kit (ODWEK) Java API changes included in 8.4.1.7 server version
- Verifying the correct TCP/IP configuration for OnDemand
- Do not switch back and forth between different OnDemand Administrator Client versions

April 20, 2011 edition:

- New server version (level 8.4.1.7) available April, 2011
- *Updated* Updated Client software recommended

September 10, 2010 edition:

- Downward compatibility PTFs for OnDemand Archive plug-in of System i Navigator
- Samples provided in the ODWEK Installation and Configuration Guide have been revised

April 23, 2010 edition:

- General Availability (GA) version of this document

IMPORTANT NOTICES for All Customers

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 or 7.1.

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 the 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 or 7.1.

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 (CDs) 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/docview.wss?uid=swg21404514 or at www.ibm.com using "1404514" as search criteria. It is highly recommended that you print and review the PDF file provided for instructions on installing the software.

Importance of 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 7.1 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 7.1 is SF99250. 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 Informational APAR for your release (described below) to determine if any individual PTFs in addition to the PTF group are required.

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 7.1 PTF group for DB2 is SF99701; the PTF group for HTTP Server is SF99368; the PTF group for Java is SF99572.

Informational APAR for list of current Content Manager OnDemand 7.1 PTFs

An informational APAR is available that contains a list of current (non-superseded) PTFs along with other important PTF-related information for Content Manager OnDemand for i. The informational APAR number is II14497. You can review this informational APAR on the web at www.ibm.com/support/docview.wss?uid=swg21155672 or at www.ibm.com using "II14497" as search criteria.

The detail contained in the informational APAR includes an indication about which server version is included in the PTFs. You can use this detail to control the server version to which you upgrade. For example, if you review the 8.5.0.5 server version requirements below and determine that you need to upgrade only to 8.4.1.7 and not 8.5.0.5, you can do that by applying PTFs up to (but not including) the 8.5.0.5 level. This would include the 8.4.1.7 server version PTFs and any other additional PTFs that were approved prior to the release of 8.5.0.5.

Updated 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 OnDemand.

To download the OnDemand Clients, follow the instructions provided at www.ibm.com/support/docview.wss?uid=swg21450570 or at www.ibm.com using "1450570" 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.

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 8.5.0.x Administrator Client might not be backward compatible with the older 8.4.1.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 level of the Administrator Client and continue using this level 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.

Do not switch back and forth between System i Navigator and IBM Navigator for i

You should not use both System i Navigator and the new web-based IBM Navigator for i for administrative functions on a particular Content Manager OnDemand server. When you begin using the new IBM Navigator for i on V7.1, you should no longer use the OnDemand Administration plugin of System i Navigator. You might consider deleting the OnDemand Administration plugin of System i Navigator to avoid confusion. The OnDemand Administration plugin for System i Navigator is optional on V7.1 but not provided or supported at V7.2 or later. Using the new web-based IBM Navigator for i interface on V7.1 allows you to become familiar with it before you upgrade to V7.2 or later.

When upgrading to 7.1, do not start your instance servers or run the Archived Storage Management (ASM) process until after you load and apply GA Cumulative PTF package C0096710 or higher

You must apply GA Cumulative PTF package C0096710 or higher before you start your OnDemand instance servers, or before you run any OnDemand commands, such as Start Archived Storage Management (STRASMOND).

If you have already upgraded to Content Manager OnDemand for i version 7.1 and did not apply a cumulative PTF package before you started your instance servers, read the information provided on the support web site at **www.ibm.com/support/docview.wss?uid=swg21680220** or at **www.ibm.com** using "1680220" as search criteria. Then contact the IBM support center for assistance in resolving this issue.

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 planning information regarding deprecation and removal of ODWEK CGI/Servlet support

Support for Content Manager OnDemand Web Enablement Kit (ODWEK) CGI/Servlet was deprecated at server version 9.0 (in August of 2012) and has been removed from the product at server version 10.1. If you are planning an upgrade to V7.2 or V7.3, you need to be aware that both V7.2 and V7.3 currently run server version 10.1, which means that you will not be able to run an ODWEK CGI/Servlet application on V7.2 or V7.3.

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.

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 support item 1976801, which can also be found at www.ibm.com using "1976801" as search criteria.

Important generic indexer changes in OnDemand server version 8.5.0.5 and higher

Beginning with OnDemand server version 8.5.0.5, 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, OnDemand is now more sensitive to the CCSIDs and CODEPAGEs of the index data and .ind files that are processed by OnDemand using the generic indexer. After upgrading to server version 8.5.0.5 or higher, data that previously archived successfully into 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 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 OnDemand with message **OND2798 ARS1196E Invalid generic index file format: >ÃÖÄÅ×ÁÇÅzøñù<**. 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/docview.wss?uid=swg21635671 or at www.ibm.com using "1635671" 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 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 9.5.0.1 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.x.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 9.5.0.0.

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 9.5.0.3, 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 SI59421.

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/docview.wss?uid=swg21507385 or at www.ibm.com using "1507385" 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 6.1 or 7.1. 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/docview.wss?uid=swg27021252 or at www.ibm.com using "7021252" 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 5.3 and 5.4. 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.

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 5.3 and 5.4 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 6.1, 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 7.1 or immediately following your upgrade to 7.1. Product option 1 is not required and is not supported on 6.1 or 7.1.

New server version (9.5.0.11) 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) PTF SI67449 for 7.1 (or its superseding PTF) provides the updated server version, along with PTF SI67451 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK), and PTF SI67450 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C7192710, or higher, applied to run server version 9.5.0.11.

Important: If you are upgrading to server version 9.5.0.11 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 9.5.0.1 (such as 8.5.x.x), you should review all of the 9.5.0.1 topics below that were introduced at 9.5.0.1 and are still true at 9.5.0.11. These topics are listed under the March 6, 2015 heading in the Summary of Changes. Carefully note the minimum server version requirements for 9.5.0.1, which are also true for 9.5.0.11.

Review the **Important server upgrade considerations for Content Manager OnDemand for i** provided at www.ibm.com/support/docview.wss?uid=swg21515197 or at www.ibm.com using "1515197" as search criteria. Information regarding the changes included with the 9.5.0.11 server version can be found in the Content Manager OnDemand for Multiplatforms 9.5.0.11 fix pack readme files at www.ibm.com/support/docview.wss?uid=swg27050969 or at www.ibm.com using "7050969" as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 9.5.0.11 fix pack readme files affect the Content Manager OnDemand for i platform.

New server version (9.5.0.10) available November, 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) PTF SI66193 for 7.1 (or its superseding PTF) provides the updated server version, along with PTF SI66195 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK), and PTF SI66194 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C7192710, or higher, applied to run server version 9.5.0.10.

Important: If you are upgrading to server version 9.5.0.10 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 9.5.0.1 (such as 8.5.x.x), you should review all of the 9.5.0.1 topics below that were introduced at 9.5.0.1 and are still true at 9.5.0.10. These topics are listed under the March 6, 2015 heading in the Summary of Changes. Carefully note the minimum server version requirements for 9.5.0.1, which are also true for 9.5.0.10.

Review the **Important server upgrade considerations for Content Manager OnDemand for i** provided at www.ibm.com/support/docview.wss?uid=swg21515197 or at www.ibm.com using "1515197" as search criteria. Information regarding the changes included with the 9.5.0.10 server version can be found in the Content Manager OnDemand for Multiplatforms 9.5.0.10 fix pack readme files at www.ibm.com/support/docview.wss?uid=swg27050446 or at www.ibm.com using "7050446" as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 9.5.0.10 fix pack readme files affect the Content Manager OnDemand for i platform.

New server version (9.5.0.9) available July, 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) PTF SI65408 for 7.1 (or its superseding PTF) provides the updated server version, along with PTF SI65410 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK), and PTF SI65409 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C6320710, or higher, applied to run server version 9.5.0.9.

Important: If you are upgrading to server version 9.5.0.9 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 9.5.0.1 (such as 8.5.x.x), you should review all of the 9.5.0.1 topics below that were introduced at 9.5.0.1 and are still true at 9.5.0.9. These topics are listed under the March 6, 2015 heading in the Summary of Changes. Carefully note the minimum server version requirements for 9.5.0.1, which are also true for 9.5.0.9.

Review the **Important server upgrade considerations for Content Manager OnDemand for i** provided at www.ibm.com/support/docview.wss?uid=swg21515197 or at www.ibm.com using "1515197" as search criteria. Information regarding the changes included with the 9.5.0.9 server version can be found in the Content Manager OnDemand for Multiplatforms 9.5.0.9 fix pack readme files at www.ibm.com/support/docview.wss?uid=swg27050105 or at www.ibm.com using "7050105" as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 9.5.0.9 fix pack readme files affect the Content Manager OnDemand for i platform.

New server version (9.5.0.8) available April, 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) PTF SI64495 for 7.1 (or its superseding PTF) provides the updated server

version, along with PTF SI64494 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK), and PTF SI64493 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C6320710, or higher, applied to run server version 9.5.0.8.

Enhancements are also available for the Content Manager OnDemand component of IBM Navigator for i browser-based administration tool. Content Manager OnDemand PTF SI64099 provides the update. Enhancements include:
- 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. See System Administrator authority now required for all functions of Content Manager OnDemand component of IBM Navigator for i for more information.
- New button to start instance server.
- Check interval added to directory monitor definitions and Start Monitor dialog.
- Undesirable migration policy aggregation size limits deprecated.
- Other usability improvements added.

Important: If you are upgrading to server version 9.5.0.8 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 9.5.0.1 (such as 8.5.x.x), you should review all of the 9.5.0.1 topics below that were introduced at 9.5.0.1 and are still true at 9.5.0.8. These topics are listed under the March 6, 2015 heading in the Summary of Changes. Carefully note the minimum server version requirements for 9.5.0.1, which are also true for 9.5.0.8.

Review the **Important server upgrade considerations for Content Manager OnDemand for i** provided at www.ibm.com/support/docview.wss?uid=swg21515197 or at www.ibm.com using "1515197" as search criteria. Information regarding the changes included with the 9.5.0.8 server version can be found in the Content Manager OnDemand for Multiplatforms 9.5.0.8 fix pack readme files at www.ibm.com/support/docview.wss?uid=swg27049625 or at www.ibm.com using "7049625" as search criteria. Note that not all changes documented in the Content Manager OnDemand for Multiplatforms 9.5.0.8 fix pack readme files affect the Content Manager OnDemand for i platform.

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 PTF recommended with server version 9.5.0.8, System Administrator authority was only required to create migration policies.

New server version (9.5.0.7) available December, 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 SI62754 for 7.1 (or its superseding PTF) provides the updated server version, along with PTF SI62755 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK), and PTF SI62756 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C6120710, 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 9.5.0.1 (such as 8.5.x.x), you should review all of the 9.5.0.1 topics below that were introduced at 9.5.0.1 and are still true at 9.5.0.7. These topics are listed under the March 6,

2015 heading in the Summary of Changes. Carefully note the minimum server version requirements for 9.5.0.1, which are also true for 9.5.0.7.

Review the **Important server upgrade considerations for Content Manager OnDemand for i** provided at www.ibm.com/support/docview.wss?uid=swg21515197 or at www.ibm.com using "1515197" 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/docview.wss?uid=swg27048939 or at www.ibm.com using "7048939" 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.

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) PTF SI61214 for 7.1 (or its superseding PTF) provides the updated server version, along with PTF SI61215 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK), and PTF SI61216 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C6120710, 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 9.5.0.1 (such as 8.5.x.x), you should review all of the 9.5.0.1 topics below that were introduced at 9.5.0.1 and are still true at 9.5.0.6. These topics are listed under the March 6, 2015 heading in the Summary of Changes. Carefully note the minimum server version requirements for 9.5.0.1, which are also true for 9.5.0.6.

Review the **Important server upgrade considerations for Content Manager OnDemand for i** provided at www.ibm.com/support/docview.wss?uid=swg21515197 or at www.ibm.com using "1515197" 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/docview.wss?uid=swg27048379 or at www.ibm.com using "7048379" 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.

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) PTF SI60156 for 7.1 (or its superseding PTF) provides the updated server version, along with PTF SI60157 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK), and PTF SI60158 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C5317710, 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 9.5.0.1 (such as 8.5.x.x), you should review all of the 9.5.0.1 topics below that were introduced at 9.5.0.1 and are still true at 9.5.0.5. These topics are listed under the March 6, 2015 heading in the Summary of Changes. Carefully note the minimum server version requirements for 9.5.0.1, which are also true for 9.5.0.5.

Review the **Important server upgrade considerations for Content Manager OnDemand for i** provided at www.ibm.com/support/docview.wss?uid=swg21515197 or at www.ibm.com using "1515197" 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/docview.wss?uid=swg27047690 or at www.ibm.com using "7047690" 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.

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) PTF SI59862 for 7.1 (or its superseding PTF) provides the updated server version, along with PTF SI58635 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK), and PTF SI58636 (or

its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C5142710, 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 elsewhere 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 9.5.0.1 (such as 8.5.x.x), you should review all of the 9.5.0.1 topics below that were introduced at 9.5.0.1 and are still true at 9.5.0.4. These topics are listed under the March 6, 2015 heading in the Summary of Changes. Carefully note the minimum server version requirements for 9.5.0.1, which are also true for 9.5.0.4.

Review the **Important server upgrade considerations for Content Manager OnDemand for i** provided at www.ibm.com/support/docview.wss?uid=swg21515197 or at www.ibm.com using "1515197" 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/docview.wss?uid=swg27047265 or at www.ibm.com using "7047265" 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.

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 SI57491, SI57537, and SI57538 for 7.1 (or their superseding PTFs) provide the updated server version, along with PTF SI57539 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK), and PTF SI57540 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C5142710, 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 9.5.0.1 (such as 8.5.x.x), you should review all of the 9.5.0.1 topics below that were introduced at 9.5.0.1 and are still true at 9.5.0.3. These topics are listed under the March 6, 2015 heading in the Summary of Changes. Carefully note the minimum server version requirements for 9.5.0.1, which are also true for 9.5.0.3.

Review the **Important server upgrade considerations for Content Manager OnDemand for i** provided at www.ibm.com/support/docview.wss?uid=swg21515197 or at www.ibm.com using "1515197" 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/docview.wss?uid=swg27046127 or at www.ibm.com using "7046127" 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.

New server version (level 9.5.0.1) available March, 2015

A new version of the OnDemand server software is now available via PTFs for your IBM i system. OnDemand (program product 5770-RD1) PTFs SI55497, SI55498, SI56100, SI56101, and SI56311 for 7.1 (or their superseding PTFs) provide the updated server version, along with PTF SI56102 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK), and PTF

SI56103 (or its superseding PTF) for PDF Indexer. You must also have operating system (5770-SS1) cumulative PTF package C4283710, or higher, applied to run server version 9.5.0.1.

Review the cover letters of these PTFs carefully for important information regarding the changes included with the 9.5.0.1 server version. Be sure to read additional 9.5.0.1 server version items in this document for other important information related to 9.5.0.1. Also review **Important server upgrade considerations for Content Manager OnDemand for i** provided at www.ibm.com/support/docview.wss?uid=swg21515197 or at www.ibm.com using "1515197" as search criteria.

Additional information regarding the changes included with the 9.5.0.1 server version can be found in the OnDemand for Multiplatforms 9.5.0.1 fix pack readme files at www.ibm.com/support/docview.wss?uid=swg27044463 or at www.ibm.com using "7044463" as search criteria. Note that not all changes documented in the 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 SI56311 description and workaround available

Content Manager OnDemand PTF SI56311 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 SI56311 or issue the following three commands:

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

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

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

What's new in server version 9.5.0.1

Many new enhancements have been added to server version 9.5.0.1. 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.
- 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<

IMPORTANT 9.5.0.1 server requirement: Warning message requires reply when you start the first 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 or by calling program QRLMCTL in library QRDARS) after applying the 9.5.0.1 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 9501 (C G). If you have reviewed this Read This First document and the cover letters for the PTFs and are ready to upgrade to 9.5.0.1, reply G to Go. If you need to cancel the upgrade, reply C to Cancel." The message will be issued one time, when you start your first instance server after you upgrade.

If you prefer not to have this message issued, you can create a data area named QRLMSVRLVL in library QRDARS by issuing the following Create Data Area command on the IBM i command line:

```
CRTDTAARA DTAARA(QRDARS/QRLMSVRLVL) TYPE(*DEC) LEN(9 0) VALUE(9501)
```

IMPORTANT 9.5.0.1 server requirement: You must be running OnDemand server version 8.4.1.x or higher on your IBM i system prior to upgrading to OnDemand 7.1 or upgrading to server version 9.5.0.1

(** This text supersedes information below related to the original 7.1 release and other server upgrades **)

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 1, due to the inclusion of server version 9.5.0.1 PTFs that will be installed as part of the upgrade to 7.1.

Similarly, if you are upgrading from a previous server version of OnDemand already at 7.1, you must be running OnDemand server version 8.4.1.x or higher prior to upgrading to server version 9.5.0.1.

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.

IMPORTANT 9.5.0.1 server requirement: Your end-users must be running OnDemand clients (end-user Windows client, ODWEK) version 8.5.0.0 or higher after upgrading to OnDemand 7.1 or upgrading to server version 9.5.0.1

(** This text supersedes information below related to the original 7.1 release and other server upgrades **)

Server version 9.5.x.x of Content Manager OnDemand for i does not support OnDemand client software prior to version 8.5.0.0. This includes, but is not limited to, the OnDemand Windows® (end-user) client and ODWEK CGI/Servlet/Java APIs.

IMPORTANT 9.5.0.1 server requirement: 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

(** This text supersedes information below related to the original 7.1 release and other server upgrades **)

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 <u>client</u> software to 9.5.x.x. As stated above, however, your end-users can run at any client level 8.5.0.0 or higher against a 9.5.x.x. server, so you can run in a mixed server level environment and simply keep your end-users at a <u>client</u> level below 9.5.x.x until all <u>servers</u> in your network are running at 8.5.0.0 or higher.

IMPORTANT 9.5.0.1 server requirement: 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 OnDemand 7.1 or upgrading to server version 9.5.0.1

(** This text supersedes information below related to the original 7.1 release and other server upgrades **)

The OnDemand Administrator client or the OnDemand batch administration API (ARSXML) must be at the same version or higher as the OnDemand server. For server version 9.5.0.1, the OnDemand Administrator client or ARSXML API must be at version 9.5.0.0 or higher.

IMPORTANT 9.5.0.1 server requirement: The OnDemand Administrator client at 9.5.x.x will only work against an 8.5.0.0 or higher server

(** This text supersedes information below related to the original 7.1 release and other server upgrades **)

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.

IMPORTANT 9.5.0.1 server requirement: The OnDemand batch administration API (ARSXML) at 9.5.0.0 will only work against an 8.5.0.0 or higher server

(This text supersedes information below related to the original 7.1 release and other server upgrades **)**

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.

IMPORTANT 9.5.0.1 server requirement: OnDemand servers used to remotely load data should all be at a 9.5.x.x or higher server version

(This text supersedes information below related to other server upgrades **)**

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.

IMPORTANT 9.5.0.1 server requirement: New software prerequisites

Software prerequisites for Content Manager OnDemand for i version 7.1 can be found at www.ibm.com/support/docview.wss?uid=swg27016180 or at www.ibm.com using "7016180" as search criteria.

Note that a number of capabilities in 9.5.0.1 require Java (IBM Developer Kit for Java; 5761-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) is now required.

For OnDemand Administrator client graphical indexer functions, IBM i Access Client Solutions – Windows Application Package is now supported as an alternative to or instead of IBM i Access for Windows (5770-XE1). Details for acquiring the licensed Windows Application Package (which is required by the OnDemand Administrator client) as well as a second optional, no-charge component (IBM i Access Client Solutions base package) are available at: http://www.ibm.com/support/docview.wss?uid=nas8N1010355. Note that Windows Application Package is an alternative to IBM i Access for Windows on workstations running Windows 7 and Windows 8, but it is **required** on Windows 10 workstations, since IBM i Access for Windows is not supported on Windows 10. IBM i Access (5770-XW1), which runs on the IBM i server, is still required for all environments.

For server version 9.5.0.1, you must be running Java version 1.7. To run Java version 1.7, you must install 5761-JV1 options 14 and 15. Instructions for downloading 5761-JV1 options 14 and 15 can be found at http://www.ibm.com/support/docview.wss?uid=nas8N1011217 or at www.ibm.com using "N1011217" as search criteria.

If you use Java 1.7, you must set the environment variable named JAVA_HOME to '/QOpenSys/QIBM/ProdData/JavaVM/jdk70/64bit'.

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 and the JAVA_HOME environment variable.

From the IBM i command line:

```
ADDENVVAR ENVVAR(JAVA_HOME) VALUE('/QOpenSys/QIBM/ProdData/JavaVM/jdk70/64bit')
```

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(JAVA_HOME) VALUE('/QOpenSys/QIBM/ProdData/JavaVM/jdk70/64bit') 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 JAVA_HOME=/QOpenSys/QIBM/ProdData/JavaVM/jdk70/64bit
```

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

IMPORTANT 9.5.0.1 server requirement: 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.

IMPORTANT 9.5.0.1 server requirement: Hexadecimal triggers used with PDF indexer must now be ASCII instead of EBCDIC

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 needs 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.

New server version (level 9.0.0.3) available December, 2013

A new version of the OnDemand server software is now available via PTFs for your IBM i system. OnDemand (program product 5770-RD1) PTF SI51612 for 7.1 (or its superseding PTF) provides the updated server version, along with PTF SI51621 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK), and PTF SI51615 (or its superseding PTF) for PDF Indexer.

It is very important to note that, if you are upgrading from a version prior to 8.5.0.5 (such as 8.4.1.7), you should review all of the 8.5.0.5 topics below that were introduced at 8.5.0.5 and are still true at 9.0.0.3. These topics are listed under the June 29, 2012 heading in the Summary of Changes. If you are upgrading from 8.5.0.5, you should review all of the 9.0.0.1 topics below, which are still true at 9.0.0.3. These topics are listed under the March 20, 2013 heading in the Summary of Changes. Carefully note the minimum server levels required for 9.0.0.1, which are also true for 9.0.0.3.

Review the **Important server upgrade considerations for Content Manager OnDemand for i** provided at www.ibm.com/support/docview.wss?uid=swg21515197 or at www.ibm.com using "1515197" as search criteria. Information regarding the changes included with the 9.0.0.3 server version can be found in the OnDemand for Multiplatforms 9.0.0.3 fix pack

readme files at www.ibm.com/support/docview.wss?uid=swg21657736 or at www.ibm.com using "1657736" as search criteria. Note that not all changes documented in the OnDemand for Multiplatforms 9.0.0.3 fix pack readme files affect the OnDemand for i platform.

New server version (level 9.0.0.2) available July, 2013

A new version of the OnDemand server software is now available via PTFs for your IBM i system. OnDemand (program product 5770-RD1) PTF SI50458 for 7.1 (or its superseding PTF) provides the updated server version, along with PTF SI50491 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK), and PTF SI50495 (or its superseding PTF) for PDF Indexer.

It is very important to note that, if you are upgrading from a version prior to 8.5.0.5 (such as 8.4.1.7), you should review all of the 8.5.0.5 topics below that were introduced at 8.5.0.5 and are still true at 9.0.0.2. These topics are listed under the June 29, 2012 heading in the Summary of Changes. If you are upgrading from 8.5.0.5, you should review all of the 9.0.0.1 topics below, which are still true at 9.0.0.2. These topics are listed under the March 20, 2013 heading in the Summary of Changes. Carefully note the minimum server levels required for 9.0.0.1, which are also true for 9.0.0.2.

Review the **Important server upgrade considerations for Content Manager OnDemand for i** provided at www.ibm.com/support/docview.wss?uid=swg21515197 or at www.ibm.com using "1515197" as search criteria. Information regarding the changes included with the 9.0.0.2 server version can be found in the OnDemand for Multiplatforms 9.0.0.2 fix pack readme files at www.ibm.com/support/docview.wss?uid=swg21626690 or at www.ibm.com using "1626690" as search criteria. Note that not all changes documented in the OnDemand for Multiplatforms 9.0.0.2 fix pack readme files affect the OnDemand for i platform.

New server version (level 9.0.0.1) available March, 2013

A new version of the OnDemand server software is now available via PTFs for your IBM i system. OnDemand (program product 5770-RD1) PTFs SI48916, SI49233, SI49234, and SI49235 for 7.1 (or their superseding PTFs) provide the updated server version, along with PTF SI49261 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK), PTF SI49343 (or its superseding PTF) for PDF Indexer, and PTFs SI46675 and SI45678 (or their superseding PTFs) for System i Navigator and the graphical indexer. (Note that the System i Navigator and graphical indexer PTFs were released with server version 8.5.0.5, so they may already be applied to your system.) In addition to these PTFs, you might also be interested in a new web-based administrative interface called IBM Navigator for i. OnDemand PTF SI48807 (or its superseding PTF) provides the software for the OnDemand Administration component of IBM Navigator for i. See the item in this document titled New web-based OnDemand Administration component of IBM Navigator for i now available for more information.

It is very important to note that, if you are upgrading from a version prior to 8.5.0.5 (such as 8.4.1.7), you should review all of the 8.5.0.5 topics below that were introduced at 8.5.0.5 and are still true at 9.0.0.1. These topics are listed under the June 29, 2012 heading in the Summary of Changes.

Review the cover letters of these PTFs carefully for important information regarding the changes included with the 9.0.0.1 server version. Be sure to read additional 9.0.0.1 server version items in this document for other important information related to 9.0.0.1. Also review **Important server upgrade considerations for Content Manager OnDemand for i** provided at www.ibm.com/support/docview.wss?uid=swg21515197 or at www.ibm.com using "1515197" as search criteria.

IMPORTANT 9.0.0.1 server requirement: You must be running OnDemand server version 8.4.0.3 or higher on your IBM i system prior to upgrading to OnDemand 7.1 or upgrading to server version 9.0.0.1

(** **This text supersedes information below related to the original 7.1 release and the 8.5.0.5 server upgrade** ** **)**

If you are upgrading from a previous release of OnDemand (such as 5.4 or 6.1), you must be running OnDemand server version 8.4.0.3 or higher prior to upgrading to OnDemand for i Version 7 Release 1, due to the inclusion of server level 9.0.0.1 PTFs that will be installed as part of the upgrade to 7.1.

If you are upgrading from a previous server version of OnDemand already at 7.1, you must be running OnDemand server version 8.4.1.3 or higher prior to upgrading to server version 9.0.0.1.

You can determine your current server version using either one of the following methods:

- If you are running version 7.1.2.5 or higher of the OnDemand client, 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.

- On any version of OnDemand, 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.

IMPORTANT 9.0.0.1 server requirement: Your end-users must be running OnDemand clients (end-user Windows client, ODWEK) version 8.4.1.x or higher prior to upgrading to OnDemand 7.1 or upgrading to server version 9.0.0.1

(** This text supersedes information below related to the original 7.1 release and the 8.5.0.5 server upgrade **)**

Server version 9.0.0.1 of OnDemand for i does not support OnDemand client software prior to version 8.4.1.x. This includes, but is not limited to, the OnDemand Windows® (end-user) client and ODWEK CGI/Servlet/Java APIs. Note, however, that if an OnDemand user needs to access the System Log or System Load folders, that user must be running version 9.0.0.0 or higher of the OnDemand client software. For example, a user attempting to access a version 9.0.0.1 or higher server's System Log or System Load folders with OnDemand client version 8.5.x.x will receive an error due to the enhanced date/timestamp support introduced with the version 9.0.0.1 server.

IMPORTANT 9.0.0.1 server requirement: Your end-users running OnDemand clients (end-user Windows client, ODWEK) at 9.0.x.x will only be able to access an 8.4.1.x or higher OnDemand server

(** This text supersedes information below related to the 8.5.0.5 server upgrade **)**

The 9.0.x.x versions of the OnDemand clients (such as the end-user Windows client and ODWEK) will only work against an 8.4.1.x 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 8.4.1.x or higher before upgrading your <u>client</u> software to 9.0.x.x. As stated above, however, your end-users can run at any client level 8.4.1.x or higher against a 9.0.x.x. server, so you can run in a mixed server level environment and simply keep your end-users at a <u>client</u> level below 9.0.x.x until all <u>servers</u> in your network are running at 8.4.1.x or higher.

IMPORTANT 9.0.0.1 server requirement: Support for eClient and Information Integrator for Content (II4C) deprecated at 9.0.0.1

You should upgrade to IBM Content Navigator (ICN) if similar function is required.

IMPORTANT 9.0.0.1 server requirement: Your OnDemand administrators must be running the OnDemand Administrator client or the OnDemand batch administration API (ARSXML) version 9.0.0.1 or higher after upgrading to OnDemand 7.1 or upgrading to server version 9.0.0.1
(** This text supersedes information below related to the original 7.1 release and the 8.5.0.5 server upgrade **)**
The OnDemand Administrator client or the OnDemand batch administration API (ARSXML) must be at the same version or higher as the OnDemand server. For server version 9.0.0.1, the OnDemand Administrator client or ARSXML API must be at version 9.0.0.1 or higher.

IMPORTANT 9.0.0.1 server requirement: The OnDemand Administrator client at 9.0.x.x will only work against an 8.5.x.x or higher server

(** This text supersedes information below related to the 8.5.0.5 server upgrade **)**

The 9.0.x.x versions of the OnDemand Administrator client work against any 8.5.x.x 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.x.x or higher before upgrading your OnDemand Administrator client software to 9.0.x.x.

IMPORTANT 9.0.0.1 server requirement: The OnDemand batch administration API (ARSXML) at 9.0.0.1 will only work against an 8.5.x.x or higher server

(** This text supersedes information below related to the 8.5.0.5 server upgrade **)**
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.x.x or higher before upgrading to the 9.0.0.1 server version. The 9.0.0.1 version of the ARSXML API will only work against an 8.5.x.x or higher server.

IMPORTANT 9.0.0.1 server requirement: OnDemand servers used to remotely load data should all be at a 9.0.x.x or higher server version

(** This text supersedes information below related to the 8.5.0.5 server upgrade **)**
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 9.0.x.x or higher.

IMPORTANT 9.0.0.1 server requirement: New date and timestamp support eliminates internal OnDemand date limitations at 9.0.0.1 server version, but requires 9.0.0.0 or higher end-user and Administrator clients to retrieve and define data that uses them

The date- and time-related fields in application group and folder definitions have been enhanced to support a broader range of dates and timestamps. The previous date and time formats are still supported; the name of the old field types have been renamed to include "(old style)" appended to the name to help differentiate between the previous formats and the new formats when using the OnDemand Administrator client. It is extremely important to note, however, that retrieving data in any folders or application groups that use the new formats requires that your end-users MUST use version 9.0.0.0 or higher of the OnDemand end-user client. To work with folder and application group definitions that use the new formats, your OnDemand administrators MUST use version 9.0.0.0 or higher of the OnDemand Administrator client.

Important additional information and instructions for updating existing folder and application group definitions can be found at the Content Manager OnDemand support web site at www.ibm.com/support/docview.wss?uid=swg27037942 or at www.ibm.com/ using "7037942" as search criteria.

The internal Content Manager OnDemand load ID (also known as the report ID) has been enhanced to use the new date/time values as well, which means that the format of the load ID has changed from

    5065-3-0-17FAA-13137-13137

to

    5065-3-0-17FAA-20021219000000-20021219000000-5066

which also includes the internal Content Manager OnDemand application ID appended to the end.

IMPORTANT 9.0.0.1 server requirement: Support for Time field data type deprecated at 9.0.0.1

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.

Starting an instance's server for the first time after upgrading to the 9.0.0.1 server version will take longer than usual

Due to additions and modifications of fields in a number of database files, the starting of an instance's server job for the first time after the upgrade to the 9.0.0.1 server version will take longer than usual. If you are concerned that the job is not progressing, do not end the job. Instead, review the status messages in the job log that show the progress of the changes, and allow the job to complete successfully.

Job log messages that can be ignored when you start your OnDemand instance server(s) for the first time after upgrading to the 9.0.0.1 server version

The first time you start your OnDemand server(s) after the application of the OnDemand server upgrade PTFs for 9.0.0.1, you might see some or all of the following messages in one of the QSQSRVR job logs associated with your OnDemand server. The example messages shown below were issued when the QUSROND instance was started, but your messages will reflect the instance name that you started on your system. The file names, database table names, and field names will vary. You can safely ignore any messages similar to those shown below, regardless of the specific file name, database table name, or field name in the message.

    ARSDFUOT in QUSROND type *FILE not found.
    ARSAGINDEX in QUSROND type *FILE already exists.
    Alternative name for file ARSAG00009 not allowed.
    PASSWD_EXP is a duplicate column name.
    Change to field PREPR00001 may result in data loss.
    Truncation of data may have occurred for ALTER TABLE of ARSAPP in QUSROND.

9.0.0.1 highlights

- OnDemand end-user client can now update metadata such as index fields (if the user has proper permission)
- New date and timestamp support eliminates internal OnDemand date limitations
- Documents can now be defined with up to 16 triggers and 128 index fields when using the OS/400 and PDF indexers
- Number of spawned jobs has been reduced while loading data for improved load performance
- Graphical annotation support has been added to the ODWEK line data viewer applet
- Websphere Application Server version 8 now supported
- IBM Content Navigator support enhanced when using OnDemand as a back-end repository
- Enhanced spooled file selection has been added when using the OnDemand Administrator client to define OnDemand applications
- Graphical indexer now supports "Find Once" and "Use Load Default or Propagation" options
- PDF indexer now supports Float triggers
- Multiple Tivoli Storage Manager (TSM) servers are now supported
- OnDemand end-user client search hit list results and documents can now be directly exported to a .csv file format

New web-based OnDemand Administration component of IBM Navigator for i now available

Support for the OnDemand Administration component of IBM Navigator for i is now available. Navigator for i is a web-based browser interface used to perform key tasks for IBM i administration. The OnDemand Administration component of Navigator for i supports all of the tasks currently available in the OnDemand Archive plugin of the System i Navigator Windows client application. However, unlike the Windows client application, nothing needs to be installed on the workstation to use the OnDemand Administration component of Navigator for i.

The OnDemand Administration component of Navigator for i is included in OnDemand PTF SI48807 (or its superseding PTF). This support is being released along with the 9.0.0.1 server upgrade PTFs but does not require server version 9.0.0.1. The OnDemand Administration component can also be used to work with OnDemand for i servers prior to 9.0.0.1.

After the PTF is applied to your IBM i system, Navigator for i is accessed by simply pointing your browser to the system name of your IBM i server, and including :2001 after the system name. For example: *myserver.mysystem.com:2001* Log on, and then select OnDemand Administration from the left panel. Click the question mark (**?**) in the far right corner of any panel for panel- and field-specific help. Click **Help** near **Logout** for task help such as how to create a migration policy. Available tasks include creating and managing migration policies, archive media, output queue monitor definitions, and directory monitor definitions.

Your user must be defined as an OnDemand System Administrator to use the OnDemand Administration component of Navigator for i. Logging on to Navigator for i with the QONDADM user profile is not supported, however, due to the unique authority attributes of that user profile.

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

Customers using OnDemand Web Enablement Kit (ODWEK) should change their 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.

New server version (level 8.5.0.5) available June, 2012

A new version of the OnDemand server software is now available via PTFs for your IBM i system. Content Manager OnDemand PTFs SI47891, SI47890, SI46927, SI46564, SI46536, and SI46534 for 7.1 (or their superseding PTFs) provide the updated server version, along with PTF SI46571 (or its superseding PTF) for OnDemand Web Enablement Kit (ODWEK), PTF SI46578 (or its superseding PTF) for PDF Indexer, and PTFs SI46675 and SI45678 (or their superseding PTFs) for System i Navigator. In addition to these PTFs for Content Manager OnDemand (program product 5770-RD1), you must also apply prerequisite PTF SI46817 (or its superseding PTF) for DB2 (part of program product 5770-SS1). If you have implemented the Enhanced Retention Management feature, which provides hold and release capabilities for OnDemand documents, or Content Federation Services for Content Manager OnDemand (CFS-CMOD), which provides integration with FileNet P8, you must also apply PTF SI47409 (or its superseding PTF) for DB2.

Review the cover letters of these PTFs carefully for important information regarding the changes included with the 8.5.0.5 server version. Be sure to read additional 8.5.0.5 server version items in this document for other important information related to 8.5.0.5. Also review **Important server upgrade considerations for Content Manager OnDemand for i** provided at www.ibm.com/support/docview.wss?uid=swg21515197 or at www.ibm.com using "1515197" as search criteria.

IMPORTANT 8.5.0.5 server requirement: You must be running OnDemand server version 8.4.0.3 or higher on your IBM i system prior to upgrading to OnDemand 7.1 after June, 2012, or upgrading to server version 8.5.0.5 (** This text supersedes information below related to the original 7.1 release**)

If you are upgrading from a previous release of OnDemand (such as 5.4 or 6.1), 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 1 after June, 2012, due to the inclusion of server level 8.5.0.5 PTFs that will be installed as part of the upgrade to 7.1.

If you are upgrading from a previous server version of OnDemand already at 7.1, you must be running OnDemand server version 8.4.1.3 or higher prior to upgrading to server version 8.5.0.5.

You can determine your current server version using either one of the following methods:

- If you are running version 7.1.2.5 or higher of the OnDemand client, 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.

- On any version of OnDemand, 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.

IMPORTANT 8.5.0.5 server requirement: Your end-users must be running OnDemand clients (end-user Windows client, ODWEK, II4C (eClient)) version 7.1.2.8 or higher prior to upgrading to OnDemand 7.1 after June, 2012, or upgrading to server version 8.5.0.5 (** This text supersedes information below related to the original 7.1 release**)

Server version 8.5.0.5 of Content Manager OnDemand for i does not support OnDemand client software prior to version 7.1.2.8. This includes, but is not limited to, the OnDemand Windows® (end-user) client, ODWEK CGI/Servlet/Java APIs, and II4C (eClient).

IMPORTANT 8.5.0.5 server requirement: Your end-users running OnDemand clients (end-user Windows client, ODWEK, II4C (eClient)) at 8.5.x.x will only be able to access an 8.4.x.x or higher OnDemand server.

The 8.5.x.x versions of the OnDemand clients (such as the end-user Windows client, ODWEK, II4C (eClient)) will only work against an 8.4.x.x 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 8.4.x.x or higher before upgrading your client software to 8.5.x.x. As stated above, however, your end-users can run at any client level 7.1.2.8 or higher against an 8.5.x.x. server, so you can run in a mixed server level environment and simply keep your end-users at a client level below 8.5.x.x until all servers in your network are running at 8.4.x.x or higher.

IMPORTANT 8.5.0.5 server requirement: Your OnDemand administrators must be running the OnDemand Administrator client or the OnDemand batch administration API (ARSXML) version 8.5.0.5 or higher after upgrading to OnDemand 7.1 after June, 2012, or upgrading to server version 8.5.0.5 (** This text supersedes information below related to the original 7.1 release**)

The OnDemand Administrator client or the OnDemand batch administration API (ARSXML) must be at the same version or higher as the OnDemand server. For server version 8.5.0.5, the OnDemand Administrator client or ARSXML API must be at version 8.5.0.5 or higher.

IMPORTANT 8.5.0.5 server requirement: The OnDemand Administrator client at 8.5.x.x will only work against an 8.4.1.x or higher server

The 8.5.x.x versions of the OnDemand Administrator client work against any 8.4.1.x 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 8.4.1.x or higher before upgrading your OnDemand Administrator client software to 8.5.x.x.

IMPORTANT 8.5.0.5 server requirement: The OnDemand batch administration API (ARSXML) at 8.5.0.5 will only work against an 8.5.x.x 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.x.x or higher before upgrading to the 8.5.0.5 server version. The 8.5.0.5 version of the ARSXML API will only work against an 8.5.x.x or higher server.

IMPORTANT 8.5.0.5 server requirement: OnDemand servers used to remotely load data should all be at an 8.5.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 8.5.x.x or higher.

Starting an instance's server for the first time after upgrading to the 8.5.0.5 server version will take longer than usual

Due to a small number of file conversions, the starting of an instance's server job for the first time after the upgrade to the 8.5.0.5 server version will take longer than usual. If you are concerned that the job is not progressing, do not end the job. Instead, review the status messages in the job log that show the progress of the changes, and allow the job to complete successfully.

Job log messages that can be ignored when you start your OnDemand instance server(s) for the first time after upgrading to the 8.5.0.5 server version

The first time you start your OnDemand server(s) after the application of the OnDemand server upgrade PTFs for 8.5.0.5, you might see some or all of the following messages in one of the QSQSRVR job logs associated with your OnDemand server. The example messages shown below were issued when the QUSROND instance was started, but your messages will reflect the instance name that you started on your system. These messages can be safely ignored. These files are not used by OnDemand for i.

```
ARSDFDRT in QUSROND type *FILE not found.
ARSDFUOT in QUSROND type *FILE not found.
ARSRDBUNDT in QUSROND type *FILE not found.
```

IBM XML Toolkit for System i (5733-XT2) or OnDemand PTFs required at 8.5.0.5 server version for customers using ARSXML

Prior to server version 8.5.0.5, OnDemand for i included the Java version of the Xerces XML parser. With 8.5.0.5, OnDemand for i uses the C++ version of the Xerces XML parser which is included in the IBM XML Toolkit for System i licensed program product (5733-XT2) or via OnDemand PTFs SI47890 and SI47891 (or their superseding PTFs). You will need to acquire and install the IBM XML Toolkit for System i or the two OnDemand PTFs if you use the ARSXML API to perform OnDemand batch administration functions. See the Content Manager OnDemand for i: Common Server Administration Guide for details about batch administration and the ARSXML API.

No longer need to manually update the path to the ondemand.xsd schema file in XML used with the OnDemand Batch Administration API (ARSXML) beginning at server version 8.5.0.5

Beginning at server version 8.5.0.5, the XML files that are created by using the Content Manager OnDemand for i XML batch administration API (ARSXML) EXPORT function will contain a full path name for the ondemand.xsd schema file. No editing of the XML file is required prior to using the XML to import the OnDemand objects into another server, unless the XML is to be used to import objects into a server that is not an IBM i server.

This 8.5.0.5 server enhancement saves an OnDemand administrator from being required to know where the ondemand.xsd file is located, and to be concerned with how to specify that path in their XML files. Server versions prior to 8.5.0 5 did not specify an explicit path name for the ondemand.xsd file in the XML from an export, and because of that, OnDemand administrators had choose one of the methods outlined in the document found at the Content Manager OnDemand support web site at www.ibm.com/support/docview.wss?uid=swg21627303 (or at www.ibm.com using "1627303" as search criteria).to be sure the ondemand.xsd file would be located correctly. If that step was not done, the ARSXML API might use an incorrect schema file located in an incorrect directory, or attempt to use one that could not be found.

For example, prior to server version 8.5.0.5, the first few lines of the XML file resulting from an ARSXML EXPORT might look similar to this:

```
<?xml version="1.0" encoding="UTF-8" ?>
<onDemand xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:noNamespaceSchemaLocation="ondemand.xsd" >
```

At server version 8.5.0.5 and higher, the first few lines will look similar to this instead:

```
<?xml version="1.0" encoding="UTF-8" ?>
<onDemand xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:noNamespaceSchemaLocation="/QIBM/ProdData/OnDemand/bin/xml/ondemand.xsd">
```

New ARS_ORIGINAL_CODEPAGE entry automatically added to the ars.cfg file at 8.5.0.5 server version

The first time you start an instance server or whenever you create a new instance after installing the 8.5.0.5 server upgrade PTF(s), OnDemand will automatically add an ARS_ORIGINAL_CODEPAGE entry to the ars.cfg file for the instance. The ars.cfg file is located in IFS on your IBM i server at /QIBM/UserData/OnDemand/<instancename> where <instancename> is the name of your OnDemand instance. The value for the ARS_ORIGINAL_CODEPAGE entry will be set to 0 (zero) for any instance created after you have upgraded to 8.5.0.5. The ARS_ORIGINAL_CODEPAGE entry will be set to the language CCSID of the instance for any existing instance created prior to 8.5.0.5, and is set the first time the instance is started after upgrading to 8.5.0.5. Do not remove the ARS_ORIGINAL_CODEPAGE entry from the ars.cfg file for any reason. If the entry is removed, unexpected results will occur.

ODWEK users must add AddDefaultCharset utf-8 directive to httpd.conf file at 8.5.0.5 server version

After installing the 8.5.0.5 server upgrade PTF(s), customers using the OnDemand Web Enablement Kit (ODWEK) must add the AddDefaultCharset utf-8 directive to their httpd.conf file(s). For example, a German httpd.conf file might contain the following, with the new directive inserted after the CGIConvMode EBCDIC line:

```
# Added Lines for ODWEK
DefaultFsCCSID 1141
DefaultNetCCSID 1208
CGIConvMode EBCDIC
AddDefaultCharset utf-8              <<<
# End Added Lines for ODWEK
```

ODWEK users must clear cache and temp directories before using ODWEK at 8.5.0.5 server version

After upgrading to the 8.5.0.5 server version and before using the ODWEK CGI or servlet, you must delete all of the files from the ODWEK cache and temp directories. The directories are specified by the CACHEDIR and TEMPDIR directives in the arswww.ini file.

WEBi users must manually copy applet files at 8.5.0.5 server version

After upgrading to the 8.5.0.5 server version and before using WEBi, you must manually update the LineDataViewer and AFP2HTML applet files by copying the three applet files (ODAfp2Html2.jar, ODLineDataViewer2.jar, IEFix.js) from the ODWEK install directory to the WEBi install directory under WebSphere, which is typically <WebSphereRoot>/installedApps/<node/cell>/wcappservices.ear/wcodservices.war/applets. The WebServer will then need to be restarted.

Older versions of the Generic Indexer input file are not supported at 8.5.0.5 server version

The old Generic Index file format used prior to Content Manager OnDemand server version 8.3 is no longer supported.

Unreadable Greek or Russian language message text for message RDR2798 after upgrading to the 8.5.0.5 server version

Each time an OnDemand server is started for an instance running in the Greek or Russian language, the job log will contain unreadable text in message RDR2798, which would normally read: "The ARSSOCKD instance XXXXX is ready," where XXXXX is the name of the instance. In the message details of RDR2798, the "From program" is QRLCASMI and the "To program" is ARSCS. The unreadable text can be ignored. All other messages in the server job log are correctly displayed.

HEX=U indexer parameter for PDF indexer

Beginning with server version 8.5.0.5 on OnDemand for i, the PDF indexer supports the use of the HEX=U indexer parameter. HEX=U indicates that any hexadecimal characters in a TRIGGER or FIELD parameter are encoded in UTF-8. If HEX=U is not specified, the PDF Indexer expects hexadecimal characters to be encoded in EBCDIC. For example, the following hexadecimal values are encoded in UTF-8:

```
TRIGGER1=UL(0.02,6.11),LR(0.36,7.63),*,X'50524553435249424552',(TYPE=GROUP)
FIELD1=X'4D524830303252'
FIELD1=UL(4.28,3.14),LR(4.81,3.43),0,(TRIGGER=1,BASE=0,DEFAULT=X'4E2F41')
```

To use these UTF-8 triggers and fields successfully, add the following bold line to your indexer parameters in your OnDemand application definition:

```
…
INDEXSTARTBY=1
RESTYPE=NONE
HEX=U
…
```

8.5.0.5 highlights

- FIPS support. Previously, user passwords were stored with DES encryption. At 8.5.0.5, user passwords are stored with AES 128 CBC encryption. Passwords in the Storage Node (TSM passwords) are also stored with AES 128 CBC encryption.

- Folder fields in multiple languages, which can be configured using either the OnDemand Administrator client or ARSXML.

- New DECFLOAT data type, which supports a decimal floating-point value. Precision of both 16 and 34 digits can be specified.

- Server-based text search for PDF documents when data is defined in the OnDemand application definition as User Defined and the File Extension is PDF with a PDF mime-type defined on the workstation.

- Enhanced User login message, which includes additional information about the client connection. This will include platform, command, and version information. For example, the system log will now show a message similar to this:

- Login: yoursystem.com 9.99.999.999 non-SSL (Windows) (CLIENT GUI) (8.5.0.5)

- Additional language support for alphabetic month names in dates has been added. A chart to help you determine which CCSIDs (code pages) support a particular language's alphabetic dates can be found at the Content Manager OnDemand support web site at www.ibm.com/support/docview.wss?uid=swg27028684 or at www.ibm.com using "7028684" as search criteria.

- New warning message if you are using the ARSLOAD API and loading data to an application group that does not have a storage set defined. (Note that the Add Report to OnDemand (ADDRPTOND) command already provides this warning message.)

- Server system parameters support has been added to the ARSXML batch administration API support by using the <systemParameters> object.

- An XML schema validation function has been added to the ARSXML batch administration API support by using ARSXML VALIDATE.

- The ARSXML batch administration API has been enhanced to provide better performance and error reporting.

- PDF Indexer resource collection now collects PDF Form Objects in addition to Fonts and Images.

- PDF Indexer can now use metadata within the PDF document to create indexes. The entire document will be indexed as one group. The names of the metadata fields will be used as the index names. Metadata indexing cannot be combined with regular trigger indexing. TRIGGER, FIELD and INDEX parameters are not used. If TRIGGER, FIELD or INDEX parameters are specified, they are ignored. To invoke, specify the INDEXMODE=METADATA indexer parameter. More information about INDEXMODE=METADATA can be found in the OnDemand for i Advanced Indexing Reference at the Content Manager OnDemand support web site at www.ibm.com/support/docview.wss?uid=swg27015520 or at www.ibm.com using "7015520" as search criteria.

- For ODWEK installations that are using the Java Line Data Viewer applet or the Java AFP2HTML applet, the applet .jar file is now timestamped so it no longer expires.

- For ODWEK installations that are using the Java Line Data Viewer applet, support has been added for logical views, local print options, print line count, color selection, and improved accessibility to allow navigation without a mouse, screen reader support, and system color schemes and fonts.

- For ODWEK installations that are using the Java API, a new trace engine has been added to increase performance when Trace is enabled and to provide a higher level of trace detail.

- For ODWEK installations that are using the Java API, support has been added for Folder fields in multiple languages.

- For ODWEK installations that are using the Java API, multiple APIs have been added to increase availability of document details such as page count, document size, document code page, and page rotation.

New server version (level 8.4.1.7) available April, 2011

A new version of the OnDemand server software is now available via PTFs for your IBM i system. Content Manager OnDemand PTF SI43029 for 7.1 (or its superseding PTF) provides the updated server version, along with PTFs SI43041 and SI43040 (or their superseding PTFs) for OnDemand Web Enablement Kit (ODWEK), and PTFs SI42945 and SI42920 (or their superseding PTFs) for PDF Indexer. Review the cover letters of these PTFs carefully for important information regarding the changes included with the 8.4.1.7 server version.

You must be running OnDemand server version 7.1.2.8 or higher prior to upgrading to 7.1
(** This text is superseded by information above related to server level 8.5.0.5 upgrade available June, 2012**)

If you are upgrading from a previous release of OnDemand, you must be running OnDemand server version 7.1.2.8 or higher prior to upgrading to Content Manager OnDemand for i Version 7 Release 1. You can determine your current server version using either one of the following methods:

- If you are running version 7.1.2.5 or higher of the OnDemand client, 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.
- On any version of OnDemand, 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.

You must be running OnDemand client version 7.1.2.0 or higher prior to upgrading to 7.1
(** This text is superseded by information above related to server level 8.5.0.5 upgrade available June, 2012**)

Version 7.1 of Content Manager OnDemand for i does not support OnDemand client software prior to version 7.1.2.0. This includes, but is not limited to, the OnDemand Windows® (end-user) client, ODWEK CGI/Servlet/Java APIs, CICS®, and II4C (eClient).

You must be running OnDemand Administrator client version 8.4.1.3 or higher prior to upgrading to 7.1
(** This text is superseded by information above related to server level 8.5.0.5 upgrade available June, 2012**)
The OnDemand Administrator client must be at the same version or higher as the OnDemand server. For version 7.1, the OnDemand Administrator client must be at version 8.4.1.3 or higher.

Starting an instance's server or running the Archive Storage Management (ASM) process for the first time after upgrading to 7.1 will take longer than usual

Due to file conversions and movement of many ASM-related objects from QUSRRDARS library to the individual instance libraries, the starting of an instance's server job or ASM process for the first time after the upgrade to 7.1 will take longer than usual. Do not end the job, concerned that the job is not progressing. Instead, review the status messages in the job log that show the progress of the changes, and allow the job to complete successfully.

Verifying the correct TCP/IP configuration for OnDemand

The correct configuration of TCP/IP is critical to the functioning of OnDemand on your system. Problems caused by incorrect configuration of TCP/IP might include:

1. Inability to start the OnDemand servers
2. Inability to archive documents
3. Poor performance when logging on from the OnDemand Client
4. Inability to open System Log messages

Detailed information about TCP/IP configuration settings for OnDemand can be found at the Content Manager OnDemand support web site at www.ibm.com/support/docview.wss?uid=swg21498699 or at www.ibm.com using "1498699" as search criteria.

Content Manager OnDemand for i and OnDemand Web Administrator (ODWA)

If you run OnDemand Web Enablement Kit (ODWEK) on a platform other than IBM i, you might have received the OnDemand Web Administrator (ODWA) software when you installed ODWEK. Note that the OnDemand Web Administrator (ODWA) is not supported for administering Content Manager OnDemand for i.

IMPORTANT OnDemand Web Enablement Kit (ODWEK) Java API changes included in Content Manager OnDemand for i 7.1

ARSWWW.INI and ARSWWW.PROPS files no longer supported when using Java APIs: You must use the ODConfig constructor to setup the configuration environment for your ODWEK Java API application. This is accomplished by creating the ODConfig object in your Java code. Additional details and coding examples can be found at the Content Manager OnDemand support web site at www.ibm.com/support/docview.wss?uid=swg21512030 or at www.ibm.com using "1512030" as search criteria.

ADDFIELDSTODOC ID no longer supported: The ADDFIELDSTODOCID parameter is no longer supported in the arswww.props file.

API service program name change: The service program ARS3WAPI is no longer supported and will be removed in a future PTF. The new service program name is ARS3WAPI64. All references to ARS3WAPI in your configuration and code must be changed to ARS3WAPI64.

ODWEK API changes: A number of previously deprecated functions that have now been removed. The replacement for each of the deprecated APIs is documented in the deprecation notice for each of them. Refer to the documentation included in the ODApiDoc.zip file found in /QIBM/ProdData/OnDemand/www/api for more information.

IMPORTANT OnDemand Web Enablement Kit (ODWEK) CGI and servlet changes included in Content Manager OnDemand for i 7.1

Line Data Viewer Applet: The Line Data Viewer Applet Version 2 is the only version of the applet that is supported for ODWEK CGI and Servlet. All arswww.ini files must be modified to update the ODApplet.version parameter to equal 2 (ODApplet.version=2).

New plugin files: The imgplgin.exe, afpviewer.exe, and afpviewer.zip are now at version 8.4.1.3 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 level 8.4.1.3. 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.

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."

IMPORTANT OnDemand PDF Indexer changes included in Content Manager OnDemand for i 7.1

Revised font instructions: The ACRO_RES_DIR and PSRESOURCEPATH environment variables are no longer supported. The following directory structure is now used for the Adobe font set that you might have installed on your system:

    /QIBM/ProdData/OnDemand/Adobe/Fonts

(Contains font resources ending with .PFN, .PFB, .TT, .TTF, .MMM)

    /QIBM/ProdData/OnDemand/Adobe/Resource/CMap

(Contains font CMap resources which have no extension)

    /QIBM/ProdData/OnDemand/Adobe/Resource/CIDFont

(Contains font resources with the extension of .otf)

The directories will automatically be created on the installing system if they do not exist. Existing fonts used with the PDF Indexer that are not imbedded in the datastream must be moved to the directory structure described above; otherwise, documents that previously indexed correctly might fail. These fonts can be obtained from Adobe.

Additional details can be found at the Content Manager OnDemand support web site at www.ibm.com/support/docview.wss?uid=swg21156959 or at www.ibm.com using "1156959" as search criteria.

DBCS trigger: The DBCS trigger will now accept the character output of the graphical indexer. You are no longer required to change the output from the graphical indexer to EBCDIC hexadecimal to index with a DBCS trigger. Existing applications that are currently coded using the EBCDIC hexadecimal format will still work without modification.

There still might be situations where the DBCS hexadecimal trigger is required. When using a hexadecimal DBCS trigger, the DBCS trigger is first marked up using the graphical indexer. Once the index parameters are created, the user must then edit the index parameters in the Application and replace the marked-up trigger with its EBCDIC hexadecimal equivalent. The trigger might be entered with or without spaces between the DBCS characters. Also, the shift out/shift in characters are not longer required between the DBCS characters.

An example of the TRIGGER index parameter specified with EBCDIC hexadecimal follows:

```
TRIGGER1=UL(5.40,1.92),LR(6.00,2.07),*,X'0E438D438E439443A60F'
```

Additional Information Regarding 7.1

The following information relates to changes in Content Manager OnDemand for i 7.1 that are not reflected in the 7.1 publications.

Downward compatibility PTFs for OnDemand Archive plug-in of System i Navigator

When you use the version 7.1 OnDemand Archive plug-in of System i Navigator with version 6.1 and version 5.4 systems, or when you use the version 6.1 plug-in with version 5.4 systems, you must have the following PTFs installed:

Version 7.1: SI38798 or its superseding PTF

Version 6.1: SI38933 or its superseding PTF

Version 5.4: SI38934 or its superseding PTF

After applying the PTFs, you must uninstall and reinstall the OnDemand Archive plug-in.

When attempting to install the OnDemand Archive plug-in, if the server level (version and release, such as 7.1) for the plug-in does not match the System i Navigator level (version and release), System i Navigator does not allow the plug-in to be installed. For example, if the System i Navigator is at 6.1 on your workstation and you try to install the OnDemand Archive plug-in from a 7.1 system, you will receive a message stating the OnDemand Archive plug-in is not allowed to be installed from that system.

In addition, when attempting to access an IBM i system by using the OnDemand Archive plug-in, the OnDemand Archive plug-in verifies that the PTF level of the plug-in is correct for the IBM i system being accessed. For example, if you access a 6.1 IBM i system from a 7.1 OnDemand Archive plug-in and the 6.1 IBM i system does not have the appropriate OnDemand PTF installed, the OnDemand Archive option is disabled. Prior to trying again, you must install the appropriate OnDemand PTF on your IBM i system (listed above), then close and reopen System i Navigator.

AFP Web Viewer installation directory

When installing the OnDemand AFP Web Viewer on a 64-bit Windows system, the software should be installed in the /Program Files directory path, not in the /Program Files (x86) directory path. If you install the OnDemand AFP Web Viewer in the /Program Files (x86) directory path, you might experience problems viewing AFP documents stored using large object support.

Enhanced Retention Management restrictions

Enhanced Retention Management capabilities are now available as a separately priced feature of OnDemand for i at 7.1, which provide new hold and release functions for the OnDemand end-user client, and HOLD-ADD and HOLD-RELEASE parameters for the ARSDOC API, and the ODWEK ODHold and ODHit Java APIs. IMPORTANT NOTE: When using Enhanced Retention Management, the OnDemand Disk Storage Manager (DSM) must be in complete control of expiration processing. If you are using the OnDemand Archive Storage Manager (ASM) or Tivoli® Storage Manager, you must disable the ability for either of these storage managers to expire data. For example, in ASM, this means disabling or deleting any Expire levels in migration polices that are used with OnDemand application groups that have Enhanced Retention Management enabled.

Additional setup information for Enhanced Retention Management

Detailed setup information for Enhanced Retention Management is contained in the Enhanced Retention Management Guide available on the web at www.ibm.com/support/docview.wss?uid=swg27024000 or at www.ibm.com using "7024000" as search criteria.

Content Manager OnDemand for i integration with FileNet P8 Platform

The Summary of changes listed in each of the Content Manager OnDemand for i 7.1 publications indicates that integration with FileNet P8 Platform is a separately orderable and chargeable feature of Content Manager OnDemand

for i 7.1. After the publications were finalized, the decision was made to include this integration as part of the base product of Content Manager OnDemand for i 7.1. There is no additional charge for this integration support.

Additional setup information for Filenet P8 integration

In addition to the information provided in the Content Manager OnDemand for i publications, review the Filenet P8 integration setup instructions at the Content Manager OnDemand support web site at www.ibm.com/support/docview.wss?uid=swg27018553 or at www.ibm.com using "7018553" as search criteria.

VALIDATE parameter of the Start Disk Storage Management (STRDSMOND) command

The Command reference section of the Content Manager OnDemand for i: Common Server Administration Guide notes a restriction that no longer exists. The VALIDATE parameter has been added back to the STRDSMOND command in 7.1 to allow you to validate the Content Manager OnDemand disk storage structures as part of disk storage management processing.

QPRLCASM1 printer file

The Content Manager OnDemand for i: Common Server Administration Guide references an archived storage management (ASM) printer file named QPRLCASM1. In 7.1, that printer file name has changed to QPRLCASM.

Samples provided in the ODWEK Installation and Configuration Guide have been revised

The sample ODWEK Java API programs that are shipped with version 7.1 have been revised and are somewhat different than the samples provided in **Appendix D. Java API programming guide** of the **Common Server ODWEK Installation and Configuration Guide**. You should use the source code found in the zip file named ODApiSamples.zip in the /QIBM/ProdData/OnDemand/www/api directory on your IBM i server for your reference or if you choose to modify these samples for your own use.