In This Issue

News

About this newsletter

This newsletter keeps you better informed about IBM® Content Manager OnDemand on all platforms. The newsletter is published quarterly.

Support item 628001 contains previous editions of this newsletter. Direct correspondence related to this newsletter to darrell.bryant@unicomsi.com.

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

Server and client version 10.5.0.10 available

Multiplatforms

The V10.5.0.10 fix pack installation files are available from IBM Fix Central. The fix pack includes the Content Manager OnDemand for Multiplatforms server as well as the OnDemand Administrator, OnDemand Monitor, and OnDemand end-user clients. The readme files for V10.5.0.10 can be found in support item 7246006.

z/OS

To upgrade your system, choose the applicable PTF from the list in support item 347373.

IBM i

See the PTF List for a list of the PTF numbers for your release. You should also review the corresponding Read This First document before installing the PTFs. It is recommended that you order the Content Manager OnDemand for i PTF group when upgrading your system to server version 10.5.0.10.

Release	PTF Group	PTF Lists	Read This First
V7.6	SF99688	335651	82189
V7.5	SF99669	335651	82189
V7.4	SF99652	335651	82189

Changes coming in 2026 at version 10.5.0.11

System requirements

Updated system requirements for Content Manager OnDemand beginning with version 10.5.0.11, planned for 3Q 2026, are available in support item 7249695.

In addition, the following 32-bit product components are not planned to ship with Content Manager OnDemand version 10.5.0.11 and later. Note that all of these components have supported 64-bit equivalents.

- OnDemand Windows Client (32-bit)
- OnDemand Windows Administrator (32-bit)
- OnDemand Windows Monitor (32-bit)
- Content Manager OnDemand Web Enablement Kit (ODWEK) Java APIs (32-bit)
- ARSACIF (32-bit; Multiplatforms only)

Deprecation of Full Text Search

IBM intends to deprecate the current Full Text Search engine technology in a future Content Manager OnDemand 10.5 fix pack.

Note: The intended replacement search engine technology for Content Manager OnDemand Full Text Search is Elasticsearch and OpenSearch.

See announcement letter AD25-1684.

Global Content Manager OnDemand education

Hiring new Content Manager OnDemand administrators or needing a Content Manager OnDemand refresh? Maybe you were not trained and are simply creating Content Manager OnDemand definitions by copying old ones? Whatever your level of skill, now is a great time to get educated on several of the newer features of Content Manager OnDemand V10.5.

Make sure your Content Manager OnDemand team has a strong understanding of the fundamentals of the system, how to administer it, and its purpose.

OnDemand University (ODU) has moved from enChoice, Inc. to CMODSkills, LLC, an IBM authorized Content Manager OnDemand education provider. CMODSkills is the foremost training provider with the most comprehensive Content Manager OnDemand education options for new and existing Content Manager OnDemand users.

All Content Manager OnDemand education is available for remote learning, providing all the benefits of live instruction without the hassle of travel time and costs – students can learn virtually from wherever an internet connection is available. The Instructor Led Online (ILO) courses equip Content Manager OnDemand users with the in-depth knowledge and techniques necessary for getting the maximum benefit from their Content Manager OnDemand systems and prepare students for the IBM Content Manager OnDemand System Administrator badge/certification exam.

The ILO classes include live, interactive presentations and hands-on labs. The class details, including the class curriculum, can be found at cmodskills.com.

The next Public training class will be held from March 9 to March 13, 2026.

This is a great opportunity for those organizations wanting to train one or two students in a classroom setting. This Public (versus Private) session will include students from several companies. There are several openings available for this session and this session is guaranteed to be held. The cost per student for this training session is $3,200 USD. (An additional discount of 10% can be applied for referencing the Newsletter.) To register or for additional information, contact CMODSkills@outlook.com or michristensen77@gmail.com.

Custom or private remote or onsite classes are also available – simply contact either your IBM Expert Lab Services team or CMODSkills@outlook.com for more information..

Tips – Cross Platform – 10.5.0.10

CLASSPATH update for version 10.5.0.10

Update the CLASSPATH for the ODWEK Java APIs

The list of .jar files to include in the CLASSPATH for the ODWEK Java APIs at version 10.5.0.10 is as follows:

```
ODApi.jar (ODWEK Java APIs)
gson-2.13.2.jar
log4j-api-2.25.2.jar
log4j-core-2.25.2.jar
```

Update the CLASSPATH for the REST Services APIs

The list of .war and .jar files to include in the CLASSPATH for the REST Services APIs at version 10.5.0.10 is as follows:

```
cmod-rest.war (REST Services APIs)
ODApi.jar (ODWEK Java APIs)
commons-pool2-2.12.1.jar
gson-2.13.2.jar
log4j-api-2.25.2.jar
log4j-core-2.25.2.jar
```

How to synchronize user name, user description, and group description LDAP attributes

Beginning with Content Manager OnDemand version 10.5.0.10, the ARSLSYNC program can be configured to synchronize additional information about the users and groups. Previously, only the user ID and group ID would be synchronized. Now, with the addition of three new configuration parameters, the user's full name and description and the group's description can be synchronized from the LDAP server to the relevant user and group fields in Content Manager OnDemand.

The objective of this change is to provide more information about users and groups that are synchronized from an LDAP server to the Content Manager OnDemand server.

Parameters

For AIX, Linux, zLinux, z/OS, and IBM i platforms, edit the ARS.CFG configuration file for the relevant instance and add the following parameters as needed. For Windows platforms, use the OnDemand Configurator program. Right click the instance, select Properties, click the Parameters button, and add the parameters as needed.

`ARS_LDAP_USER_FULL_NAME_ATTRIBUTE` - This parameter is used to identify the LDAP attribute that contains the name of the user.

This attribute value populates the Name field of the user that is created in Content Manager OnDemand.

`ARS_LDAP_USER_DESCRIPTION_ATTRIBUTE` - This parameter is used to identify the LDAP attribute that contains the description of the user. This attribute value populates the Description field of the user that is created in Content Manager OnDemand.

`ARS_LDAP_GROUP_DESCRIPTION_ATTRIBUTE` - This parameter is used to identify the LDAP attribute that contains the description of the group. This attribute value populates the Description field of the group that is created in Content Manager OnDemand.

For more information about the Content Manager OnDemand ARSLSYNC program, refer to the product documentation here:

Multiplatforms: ARSLSYNC

z/OS: ARSLSYNC

IBM i: ARSLSYNC

More details are available in support item 7251946.

HTML5 viewer settings

The following settings reside in the HTML5 configuration file named config.json. This file is contained in the LineDataHTML5Viewer.zip file that ships with Content Manager OnDemand Web Enablement Kit (ODWEK).

In server version 10.5.0.10 and later, these values can also be specified through the ODWEK ODConfig object. This value then overrides what is specified in the config.json file.

CopyPagesTimeoutInSeconds

This setting allows a timeout value to be specified, so if the copy pages to file operation takes an inordinate amount of time, the browser will become usable to the user again after the specified amount of time.

MaxSegmentSizeToCacheMB

Indicates to the HTML5 viewer the maximum size of a document before it must be stored in browser cache and loaded a page at a time.

DefaultFont

Specify the font to be used by the HTML5 viewer upon first use or if the user has yet to choose one from the font dialog in the viewer.

More details are available in support item 7245870.

Tips – Cross Platform

Log4j logging and ODWEK V10.5

When upgrading Content Manager OnDemand Web Enablement Kit (ODWEK) for your ODWEK-based application to version 10.5 from any previous ODWEK version, two Log4j jar files are now required to be added to the application's CLASSPATH as described in Setting up the development environment.

These Log4j jar files provide enhanced troubleshooting capabilities for ODWEK applications when enabled as instructed by IBM Software Support. However, if you have a custom-written ODWEK application and your application also uses Log4j to log your application's log messages, you might be seeing unwanted ODWEK log messages produced. This could happen if your default logger, also known as the root logger, specifies a level that is not OFF or FATAL. If you do not want ODWEK Log4j messages intermingled with your application's log output, you can filter out the Log4j ODWEK messages by either turning them off or redirecting appropriate levels to a different Appender.

Create a separate Logger for ODWEK

In the Loggers section of your Log4j configuration file, add a Logger for ODWEK-specific log statements. If you are using log4j2.xml as your Log4j configuration file, that might look like:

```
<Logger name="com.ibm.edms.od" level="OFF"
    additivity="FALSE">
```

This will turn off all ODWEK Log4j logging completely.

Redirect ODWEK Log4j log messages

If you would like to capture some level of ODWEK Log4j errors, create an Appender in the Appenders section of your log4j2.xml file. For example, to create an Appender that delivers ODWEK Java API error messages to a file, your log4j2.xml file might contain something like:

```
<Appenders>
…
  <File name="ODWEKFile" fileName="/tmp/logs/odwek.log">
   <PatternLayout pattern="%d{yyyy-MMM-dd HH:mm:ss.SSS
   a} [%t] %-5level %logger{36}:%M:%L - %msg%n" />
  </File>
…
</Appenders>
```

Then reference the new File Appender in the Logger created to capture ODWEK Log4j messages. For example:

```
<Logger name="com.ibm.edms.od" level="ERROR"
    additivity="FALSE">
        <AppenderRef ref="ODWEKFile" />
</Logger>
```

This will cause Log4j to write error messages that are generated by the ODWEK Java APIs to the Appender referenced by the Logger's AppenderRef attribute. Setting the ODWEK Java API Logger level to a level that produces a high volume of messages, such as DEBUG or TRACE or INFO instead of ERROR, might adversely affect performance, especially in a high volume environment.

See the Log4j documentation for multiple options available in the Log4j configuration file.

Setting a non-default delimiter for searches that use the In and Not In operators with ODWEK

The In operator can be used to search for values within a certain set. For example, the search Account Name In Gribble Hickenbotham Quackenbush returns all documents in which the name is either Gribble, Hickenbotham, or Quackenbush. The search values are separated by a space character by default. However, what if the search values contain space characters? For example, the search Account Name In Gribble Hicken botham Quacken bush would not return all documents in which the name is either Gribble, Hicken botham, or Quaken bush, but rather, it would return all documents in which the name is either Gribble, Hicken, botham, Quaken, or bush. This might not be what you desire. To return all documents in which the name is either Gribble, Hicken botham, or Quaken bush, you would need to use a different search value delimiter to avoid splitting the search terms where the default delimiter - a space - is present. ODWEK allows you to set a non-default delimiter in two ways.

1.) Set the delimiter in the `ODConfig` constructor. Passing the non-default delimiter to the `ODConfig`constructor causes the delimiter to be set globally.

   In the following example, ODWEK sets all 'In' operator delimiters to an asterisk character.

```
Properties od_props = new Properties();

        od_props.setProperty(ODConfig.IN_OP
ERATOR_DELIMITER, Character.toString('*'));
```

   Then pass the Properties object to the ODConfig constructor.

2.) Set the non-default delimiter using the `ODServer.setInOperatorDelimiter(char delim)`. This delimiter will override any character set in the ODConfig and any character set with a previous call to `ODServer.setInOperatorDelimiter`.

In the following example, ODWEK will set all 'In' operator delimiters to a caret character.

```
ODCriteria odCrit1 =
odFolder.getCriteria("Account Name");

        odCrit1.setOperator(ODConstant.OPIn);

        odServer.setInOpDelimiter('^');

        odCrit1.setSearchValue("Gribble^Hicken
botham^Quaken bush");

        hits = odFolder.search();
```
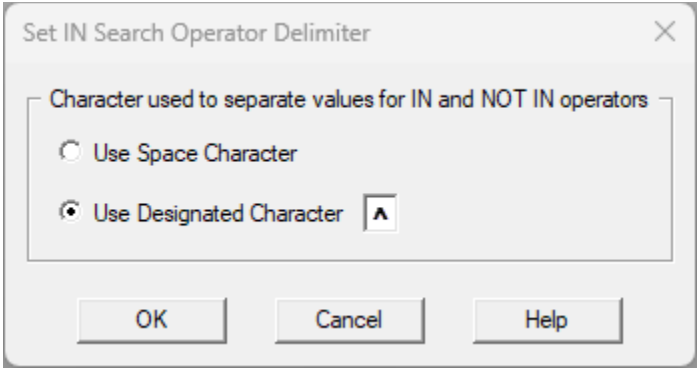
The same delimiter will also be used for any Not In searches.

Setting a non-default delimiter for searches that use the In and Not In operators with the OnDemand Client

When using the OnDemand Client, the In search operator delimiter is set on each workstation. There is a menu item, Options > Set IN Search Operator Delimiter, that is used to change this delimiter.

The same delimiter will also be used for any Not In searches.

Tips – z/OS

Quick Hits

What is the maximum input file size when using ARSYSPIN?

The maximum input file size is two gigabytes. The limit is because ARSYSPIN copies the input to a data space, which is limited in size to two gigabytes.

From the z/OS 2.4: MVS Programming: Extended Addressability Guide:

   A data space is a range of up to two gigabytes of contiguous virtual storage addresses that a program can directly manipulate through assembler instructions. Unlike an address space, a data space contains only data; it does not contain common areas or system data or programs. Program code does not execute in a data space, although a program can reside in a data space as nonexecutable code.

Temporary space cleanup

You need to manage the space used in the Content Manager OnDemand instance temporary directory. That directory path is set in the ARS.CFG configuration file by the ARS_TMP parameter. If the space used by that directory becomes too large, it might prevent ARSSOCKD from starting successfully. A symptom of this is that ARSSOCKD starts and then immediately terminates. A good housekeeping recommendation is for you to check that directory periodically. If there are any files in there over six months old, back them up and then delete them. The same recommendation holds true for the directory named in the ARS_PRINT_PATH parameter.

Tips – IBM i

The enhancements described below are included in the following Content Manager OnDemand for i (5770-RD1) PTFs:

Version	Content Manager OnDemand PTF
V7.6	SJ07208, SJ07211, SJ07215
V7.5	SJ07209, SJ07212, SJ07213, SJ07216
V7.4	SJ07210, SJ07214, SJ07217

These PTFs require server version 10.5.0.9 or higher.

ASM expiration improvements

The Start Archived Storage Mgmt (STRASMOND) command now correctly handles segment expiration. Your migration policy must have an expire level. ASM deletes the documents from archive storage when they reach the expire level in your migration policy. You must also run the Start Disk Storage Management (STRDSMOND) command to delete the segment from the system.

What is segment expiration?

The system deletes a segment (table) of index data at a time from the application group. The system can delete a segment of index data only after the segment is closed and every record in the segment has reached its expiration date.

Setting up segment expiration

When using segment expiration, you should set the value of the Life of Data & Indexes field in the application group definition to the same value as the sum of the duration in all levels of your migration policy. If you do not make these values the same, you might expire documents before indexes or indexes before documents.

Create Instance command no longer requires special authorities

Previously, the Create Instance (CRTINSTOND) command required the issuing user to have *SECADM and *ALLOBJ special authorities.

With the PTFs listed above, the Create Instance (CRTINSTOND) command is changed so that it does not require any special authorities. The user must still have QRDARS400 as a group or supplemental group profile.

Locale checking moved to command processors

Previously, the locale checking that was performed in command validation programs caused a command to fail with message *OND0588 - A locale must be set* if the current user profile did not have a locale specified in the user profile. In most cases, this was the correct result. However, if the command was submitted to batch by using the Submit Job (SBMJOB) command to run under a different user profile that does have a locale set, it should not have failed.

With the PTFs listed above, the locale checking is moved to the command processing programs. This allows the profile under which the job is submitted (specified on the USER parameter of the SBMJOB command) to be the one that is checked for a locale. The commands will no longer fail if the submitting user profile does not have a locale assigned.

Content Manager OnDemand for i help text available online

Do you ever find yourself thinking about a Content Manager OnDemand for i command but do not have access to a 5250 session to review the parameters and their help text?

The help text for all Content Manager OnDemand for i commands is available online at:

https://www.ibm.com/docs/en/i/7.6.0?topic=product-content-manager-ondemand-i-commands

This help text is part of the IBM i operating system documentation, which includes the help text for all IBM supplied commands.

Additional Information

Documentation

Content Manager OnDemand for Multiplatforms Documentation

Content Manager OnDemand for z/OS Documentation

Content Manager OnDemand for i Documentation

Content Navigator Documentation

Publication Libraries - PDF versions of the documentation

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

More Enterprise Content Management websites

IBM Content Manager OnDemand Product Overview

Compatibility Matrix for the Content Manager OnDemand clients and servers

Hardware and software requirements for all versions of Content Manager OnDemand

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

OnDemand User Group

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

Copyright and trademark information

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft, Windows, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

Java and all Java-based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.

A current list of IBM trademarks is available on the web at "Copyright and trademark information".