OnDemand Newsletter

News and Tips about IBM Content Manager OnDemand

1st Quarter 2015

In This Issue

News

About this Newsletter

This newsletter is designed to keep you better informed about IBM® Content Manager OnDemand on all platforms. The newsletter will be published quarterly.

Previous editions of this newsletter can be found in support item 7024130. They are also available on the OnDemand Users Group web site under the heading 'Presentations, Newsletters, and such'.

Correspondence related to this newsletter should be directed to odnews@us.ibm.com.

OnDemand Fixpack 9.5.0.1 available

OnDemand for Multiplatforms

The fixpack 9.5.0.1 installation files are available from IBM Fix Central.

OnDemand for z/OS

To upgrade your system, choose the applicable PTF from the list in support item 1260192.

OnDemand for i

For V7.2, see Information APAR II14723 for a list of the required PTFs.

For V7.1, see Information APAR II14497 for a list of the required PTFs.

OnDemand Fixpack 9.0.0.5 available

OnDemand for Multiplatforms

The fixpack 9.0.0.5 installation files are available from IBM Fix Central.

OnDemand for z/OS

To upgrade your system, choose the applicable PTF from the list in support item 1260192.

OnDemand Fixpack 8.5.0.10 available

OnDemand for Multiplatforms

The fixpack 8.5.0.10 installation files are available from IBM Fix Central.

OnDemand for z/OS

To upgrade your system, choose the applicable PTF from the list in support item 1260192.

End of support for V8.5

OnDemand V8.5 will reach end of support on April 30, 2016. Customers running V8.5 should begin planning their migration to the latest release of OnDemand, currently v9.5. See announcement letters 914-241 and 914-242.

AFP2WEB withdrawal from marketing & support

The AFP2WEB transforms were withdrawn from marketing on February 11, 2015. They will reach end of support on April 30, 2016. Customers requiring the AFP2WEB transforms can purchase them directly from Ricoh. See announcement letter 914-242.

Content Manager OnDemand Workshops

The IBM Content Manager OnDemand workshop is a series of complimentary events held in cities around the world. The workshop features both informative and how-to sessions with demonstrations of the latest features IBM Content Manager OnDemand has to offer from IBM product experts. Upcoming dates and location are:

Singapore	March 12-13
Manila, Philippines	March 16-17
Raleigh (RTP), NC	March 24-25
Boeblingen, Germany	May 5-7
Stockholm, Sweden	June 9-10
Rome, Italy	June 16-17
San Francisco, CA	July 28-29
Dublin(Columbus), OH	August 18-19

More information can be found on the workshop web site.

Did you know?

OnDemand can store any type of static content including but not limited to scanned documents, images, PDF, AFP, Line Data reports, spooled files, audio files, videos, Office documents and XML.

End of support for OnDemand for i V6.1

Effective September 30, 2015, IBM will withdraw support for Content Manager OnDemand for i V6.1. See IBM United States Withdrawal Announcement 914-255 for more details. Customers using OnDemand for i V6.1 should upgrade to V7.2.

End of support for TSM APIs

The Tivoli® Storage Manager (TSM) APIs for IBM i and for z/OS will be withdrawn from support on April 30, 2015. This end of support will affect customers using TSM as their storage manager for OnDemand. OnDemand for i Customers using TSM as a level within an Archive Storage Manager (ASM) migration policy will also be affected. Additional information on migration options will be published in the 2Q2015 newsletter.

Corrected date from 2016 to 2015.

ECM System Monitor V5.2 available

IBM Enterprise Content Management System Monitor V5.2 proactively monitors the health of IBM Enterprise Content Management (ECM) systems and helps maximize your ECM service quality and customer experience. The latest release of the system monitor now includes an enhanced user console with overview dashboard integration into IBM Content Navigator. This latest release also includes the following features and benefits:

• Extended monitoring coverage for IBM Enterprise Content Management products

• Distributed installation of server components (HA, load distribution)

• New event handling mechanism to enhance performance

• Enhanced reporting

• Extended platform support

See announcement letter 914-471.

Version 9.5 Enhancements

National language support enhanced

OnDemand version 9.5 brings the following changes for improved national language support:

- The OnDemand Windows end-user client is now translated into Russian and Turkish.

- The OnDemand Administrator client is now translated into Turkish.

- During installation of the Administrator and Windows client, all national languages are installed. The language presented to the user is determined by the Microsoft Windows locale.

- OnDemand has support for names and descriptions in 26 different languages. In addition to folder field name and description support that was previously available, the following items can be now specified in multiple languages:

  - Folder names and descriptions

  - Cabinet names and descriptions

  - Hold names and descriptions

Windows client enhancements

Numerous enhancements make the client easier to use.

Normalized PDF viewing and printing

Regardless of whether the OnDemand application definition's data type is native PDF or user-defined PDF, the OnDemand Windows client will now attempt to view the document with Adobe Acrobat, if it's installed.

When viewing documents with an application data type of PDF, the Adobe Acrobat Reader will be launched externally if Adobe Acrobat is not installed. Previously, this scenario would have resulted in an error.

Multiple versions installed on the same workstation

The install path for the OnDemand Administrator and Windows end-user client was changed to support future installations of multiple versions of the client on the same workstation. This support is not backward compatible with the version 9.0 and earlier clients. Also, only multiple versions will be supported, not multiple fixpacks at the same version. For example, the 9.5.0.0 and 9.5.0.1 clients will NOT be able to be installed on the same workstation.
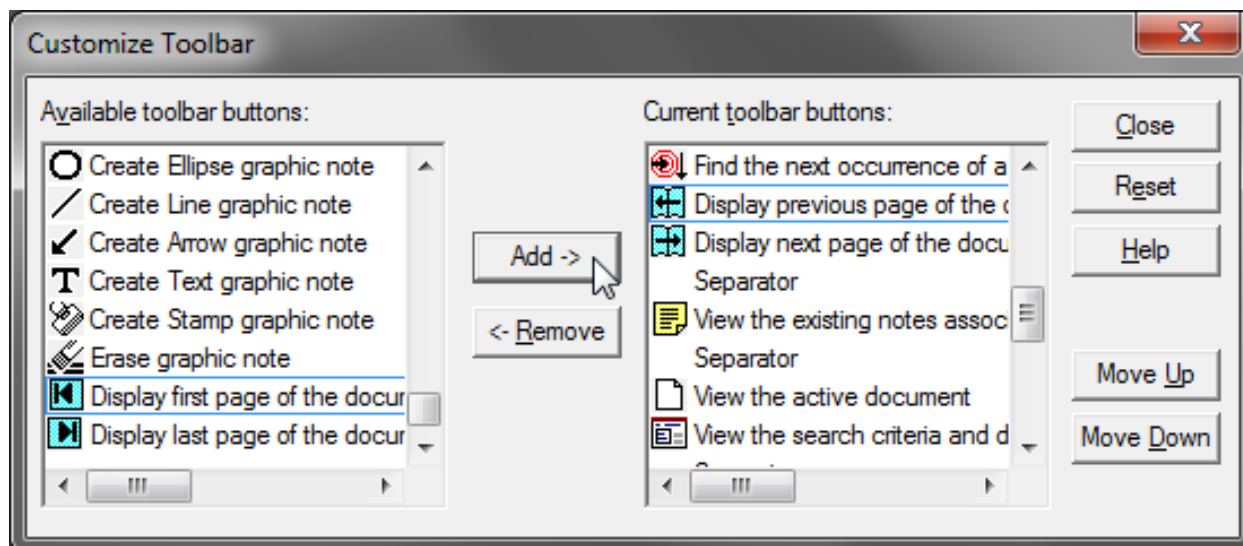
Added support for retrieval of the XML data type

The OnDemand Windows client will open XML documents externally using Windows file type associations.

New toolbar icons for "First Page" and "Last Page" functionality

You can now customize the OnDemand Windows client toolbar with icons for "Display first page of the document" and "Display last page of the document". Just use Options > Customize Toolbar from the menu bar.

ARSLOAD enhancements

Duplicate rows removed

The load process now automatically removes duplicate rows of indexes before loading the indexes into the database. There is no longer a need to specify an application postprocessor of "sort -u" or "/bin/sort | /bin/uniq" in order to remove duplicate rows of indexes. A warning message is issued if the application postprocessor contains either command.

```
ARS4343I Postprocess Command >(sort -u) WAS IGNORED, NOW DONE
    INTERNALLY<

ARS4343I Postprocess Command >(/bin/sort | /bin/uniq) WAS
    IGNORED, NOW DONE INTERNALLY<
```

Additional messages

Additional messages are now included in the ARSLOAD output. These messages contain the application group, application, storage set, and storage node, as well as environment information.

```
ARS4334I Load Version <9.5.0.1>  Operating System <AIX> <6.1>
    OS Userid <DBRYANT>  Install Location
    </opt/IBM/ondemand/V9.5/> Data(unlimited KB) Stack(32768 KB)
```

```
Core(2097151 512-blocks) Cpu(unlimited seconds)
File(unlimited 512-blocks) Nofiles(2000) Threads(unlimited)
Processes(unlimited)
```

ARS4335I Server Version <9.5.0.1> Operating System <AIX> <6.1>
Database <DB2> <10.01.0000>

ARS4339I Application Group >CHECKSTMTS<

ARS4340I Application >CHECKS<

ARS4341I Storage Set >Cache Only - Library Server<

ARS4342I Storage Node >Cache Only - Library Server<

Administrator client enhancements

The version 9.5 Administrator client supports servers running versions 8.5.0.x, 9.0.0.x, and 9.5.0.x.

Report Wizard enhancements

Usability of the Report Wizard has been enhanced with the following changes:

- Create an application, application group, and folder without using the graphical indexer

- Use any supported indexer and data type

- New indexer and data type for XML data added (V9.5 servers only)

- New option to enable Full Text Index support in the application group and add Full Text Index fields to the folder

- New option to add a Document Size field and a Page Count field to the application group and folder.

New compare objects function

Version 9.5 adds the capability to compare the attributes of applications, application groups, and folders. This feature creates a summary of the attributes from both objects. The objects compared can be on the same server or on different servers. The summary is contained in an XML document that can be displayed using a web browser.

ARSXML enhancements

New features

The following new features were added to ARSXML in V9.5:

- Separate ARSXML command syntax help messages for the add, update and delete actions

- ***PUBLIC** permission exported without specifying the **-r p** parameter

- New **-r i** option exports only objects listed in the input XML file

- National language support for descriptions of folder, cabinet and hold objects for 26 languages:

  ○ folderNls

  ○ cabinetNls

  ○ holdNls

- Transform support for odfDistribution and odfReportBundle objects:

  ○ transformString type for odfDistribution

  ○ transformStringBundle for odfReportBundle

  ○ Allowed values: None, UTF8 and PDF

Changes

The following changes were made to ARSXML in V9.5.

- CacheDataLen attribute no longer supported in the applicationGroup object

- Time of Super Bundle choice for the distMethod type no longer supported

- Deprecated values for the locationString type:

  ○ Spool – replaced by Print

  ○ Dataset – replaced by File

  ○ E-mail document – replaced by Email

  ○ E-mail notification – replaced by Print notify

- New values for the locationString type (no old equivalent):

  ○ File notify

  ○ None

Tips – Cross Platforms

Searching the System Log using ARSDOC QUERY with a date or date range

Question

When I use ARSDOC QUERY to search the OnDemand System Log with a date or date range, I get an error message. What is the correct format to use for the date field and value?

Answer

New date types were added in V9.0. To support both the old and new date types, the date application group field name and value in the SQL query must be specified using a newly defined format.

The System Log application group can have an old date type, a new date type, or an updated date type. Because application groups can have different date types, the OnDemand server modifies the SQL query so that it maps to the correct value(s). To support the various date types, the SQL syntax requires:

1) "ODDAT_" must precede the name of the date database field name.

2) There must be a space between the field name, the operator, and the value.

3) The date value must be in the following format:

`'YYYY-MM-DD HH:MM:SS.FFFFFF'` where FFFFFF consists of 6 fractional digits

Typically you would search for system log entries with a date RANGE and specify the FFFFFF fractional digits as .000000 to .999999

Note: To specify a segment date range using the -S option for ARSDOC QUERY, the date format must also follow the same format listed in item 3 and the format must be specified as:

`'%Y-%m-%d %H:%M:%S.%F'`

Examples:

```
arsdoc query -u oduser -h odserver -f "System Log" -i "where
   ODDAT_time_stamp > '2015-01-01 12:50:00.000000' and userid like
   'ODUSER%'"

arsdoc query -u oduser -h odserver -f "System Log" -i "WHERE
   ODDAT_time_stamp BETWEEN '2015-01-01 00:00:00.000000' AND
   '2015-01-06 23:59:59.999999' AND userid LIKE 'ODUSER%'"

arsdoc query -u oduser -h odserver -f "System Log" -i "WHERE
   ODDAT_time_stamp BETWEEN '2015-01-01 00:00:00.000000' AND
   '2015-01-06 23:59:59.999999' AND userid LIKE 'ODUSER%'" -S
   "2014-01-01 00:00:00.000000,2015-01-06 00:00:00.000000,%Y-%m-%d
   %H:%M:%S.%F"
```

This tip is adapted from support item 1694054.

Tips — Multiplatforms

Using regular expressions - ACIF examples

What is a regular expression?

A regular expression is a pattern which is used to match characters in a string. There are many excellent online resources that explain the syntax rules of regular expressions. ACIF support for regular expressions is available in OnDemand for Multiplatforms, but not in OnDemand for z/OS.

What's new in V9.5?

Beginning at version 9.5.0.0, ACIF can use a regular expression in the TRIGGER and FIELD parameters. In the TRIGGER parameter, the regular expression specifies the pattern for which to search; in the FIELD parameter, the regular expression is applied to the characters that have been extracted from the field in a way similar to using a mask.

ASCII Data

The regular expression must be specified in the code page given by the CPGID parameter. If you are running on an ASCII platform and the CPGID of the document is ASCII then the regular expression can be specified as text. For example:

```
CPGID=819
TRIGGER1=*,*,'PAGE',(TYPE=GROUP)
TRIGGER2=*,25,REGEX='[A-Z]{3}-[A-Z]{6}',(TYPE=FLOAT)
FIELD1=0,9,2,(TRIGGER=1,BASE=TRIGGER)
FIELD2=0,38,10,(TRIGGER=2,BASE=0,REGEX='[A-Z] [0-9]{3}-\S+')
INDEX1='Page',FIELD1,(TYPE=GROUP,BREAK=YES)
INDEX2='Sub-Source',FIELD2
```

In this example TRIGGER2 uses a regular expression, which specifies a pattern of three uppercase letters, followed by a hyphen, followed by six uppercase letters. The text "SUB-SOURCE" would match the pattern.

FIELD2 uses a regular expression, which specifies one uppercase letter, followed by a space, followed by three numbers, followed by a hyphen, followed by one or more non-white space characters. The characters "Q 010-1", "I 000-RS", or "L 133-1B" would match this regular expression.

EBCDIC Data

If you are running on an ASCII platform and the CPGID parameter of the document is not ASCII, then the regular expression must be specified in hexadecimal in the code page given by the CPGID parameter. For example:

```
CPGID=500
TRIGGER1 = *,1,REGEX = X'4AF060F95AC0F3D0'  /* [0-9]{3} */
```

More Examples

Here is an example of using a regular expression to extract a date in the form of "July 4, 1956":

```
TRIGGER1=*,1,'1'
FIELD1=0,13,18,(REGEX='[A-Z][a-z]+ [0-9]+, [0-9]
    {4}',DEFAULT='January 1, 1970')
INDEX1='Date',FIELD1
```

Here is an example of using a regular expression with a transaction field to extract a range of Social Security numbers:

```
TRIGGER1=*,1,'1'
FIELD1=0,30,3
FIELD2=*,*,12,(OFFSET=(59:70),ORDER=BYROW,REGEX='[0-9]{3}-[0-9]
    {2}-[0-9]{4}')
INDEX1='DEPT',FIELD1,(TYPE=GROUP)
INDEX2='SOCIAL SECURITY NUMBER',FIELD2,(TYPE=GROUPRANGE)
```

This tip is adapted from the version 9.5 Indexer Reference.

Tips – z/OS

OnDemand for z/OS Quick Hits

OAM sharing concern

You can use the same OAM for different instances of OnDemand only if you use different collection names for each instance. When storing an object, OnDemand will first delete an object (if any) with that object name, and then store the object. Two instances can create the same object names. The only differentiation between the instances is the collection name. If both instances use the same collection name, a load from a second instance will overwrite the OAM objects created by the first instance.

Upgrade process if you are not using ODF

Are you planning your upgrade from V8.5? Worried that upgrading to V9.5 is too complicated? If you compare the readme documents for V9.0 and V9.5, you'll see that if you're not using ODF, upgrading to V9.5 requires no additional work compared to upgrading to V9.0.

OnDemand for z/OS V9.0 Readme

OnDemand for z/OS V9.5 Readme

If you run into problems with any of the database upgrade steps

If you have problems with steps similar to this in the readme:

Run "arsdb -I <instance_name> -vx ARSAGPERMS ARSANN ARSAPP
    ARSAPPUSR ARSNAMEQ ARSPRTOPTS ARSSYS" to export the tables.

Try running the command individually for each table. For example:

```
arsdb -I <instance_name> -vx ARSAGPERMS
```

then next

```
arsdb -I <instance_name> -vx ARSANN
```

and so on.

Are the definitions for the control tables documented anywhere?

Yes! They're documented in the Knowledge Center for each release in the "Administration Guide for z/OS" under the "Administering" heading.

Tips – IBM i

Do I need to run DSM and ASM?

Yes, in most circumstances you must run Disk Storage Management (DSM) and Archived Storage Management (ASM).

DSM

DSM performs the following functions:

- Controls the expiration of indexes and data from OnDemand (if you do not use storage manager-based expiration)

- Migrates data from cache to the storage manager (if the Migrate Data from Cache option is not set to When loaded)

- Expires data from cache if Cache Data is set to Yes

If you do not run DSM, your disk storage requirements for OnDemand are probably higher than expected. The number of objects stored in the Integrated File System (IFS) are also higher than necessary, which results in longer save and restore times.

Note that if you have never run DSM, the first execution of the Start Disk Storage Management (STRDSMOND) command might last for an extended period of time.

If you want to configure OnDemand so that DSM can be run less frequently in the future, see support item 1417320 titled *Reducing the need to run Disk Storage Manager (DSM)*.

ASM

ASM performs the following functions:

- Controls the expiration of indexes and data from OnDemand (if you use storage manager-based expiration)

- Aggregates data before migrating it to archive media (if you select the Aggregation option in the Migration Policy)

- Migrates data between levels of the Migration Policy

If you do not run ASM, your disk storage requirements for OnDemand are probably higher than expected. The number of objects stored in the Integrated File System (IFS) are also higher than necessary, which results in longer save and restore times.

Note that if you have never run ASM, the first execution of the Start Archived Storage Management (STRASMOND) command or the STRDSMOND command with parameter STRASMOND(*YES) might last for an extended period of time.

For more information about expiring archives using ASM, see support item 1317082 titled *Expiration processing in Archive Storage Manager (ASM)*.

Additional Information

Knowledge Centers

OnDemand for Multiplatforms Knowledge Centers

OnDemand for z/OS Knowledge Centers

OnDemand for i Knowledge Centers

Publication Libraries - Containing all PDF versions of the documentation

OnDemand for Multiplatforms	Version 8.5	Version 9.0	Version 9.5
OnDemand for z/OS	Version 8.5	Version 9.0	Version 9.5
OnDemand for i	Version 6.1	Version 7.1	Version 7.2

Product System Requirements

OnDemand for Multiplatforms	Version 8.5	Version 9.0	Version 9.5
OnDemand for z/OS	Version 8.5	Version 9.0	Version 9.5
OnDemand for i	Version 6.1	Version 7.1	Version 7.2

More Enterprise Content Management Web Sites

Content Manager OnDemand Product Overview

Compatibility Matrix for the OnDemand clients and servers

Content Navigator Product Overview

Social Media

IBM Content Manager OnDemand is on social media, including developerWorks, Facebook, and the Client Success Essentials wiki. For more information and links to all social media sites, see support item 1673183.

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.

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