IBM Copy Services Manager

Release Notes
June 2016

Version 6 Release 1

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Contents

About this document

This document contains the release notes in support of IBM® Copy Services Manager Version 6, Release 1, Modification 2.

What's new

The following functions are introduced in IBM Copy Services Manager Version 6.1.2:

Version 6, Release 1, Modification 2

This table provides the current technical changes and enhancements to Copy Services Manager as of June 2016.

Table 1. What's new in Copy Services Manager Version 6.1.2 (June 2016)

Function or feature	Description
Support for DS8000 multiple incremental FlashCopy in FlashCopy sessions	If the hardware supports multiple incremental FlashCopy, and incremental is set on the session options, the multi-incremental option is used. Therefore, if the source in the session has another FlashCopy relationship, the incremental option is allowed on the different targets.
Support for DS8000 multiple incremental FlashCopy in Global Mirror with Practice, Metro Global Mirror with Practice, and multi-target Metro Mirror - Global Mirror with Practice sessions	If the hardware supports multiple incremental FlashCopy, a new **Incremental** option is available for the I2H2 relationship. When **Incremental** is set on the session, the I2H2 relationships are established with incremental and are not terminated during the Flash process on the Practice session.
CLI commands available for email notification support	You can now use CLI commands to set up an email server, and notification recipients, for Copy Services Manager server-level alerts.
Support for DS8000 count-key data (CKD) ESE volumes	Copy Services Manager 6.1.2 has full ESE CKD support.
Create a backup of the Copy Services Manager database through the GUI	You can create and download a backup of the Copy Services Manager database by using the Advanced Tools page of the Copy Services Manager GUI. This new feature is the GUI equivalent of using the **mkbackup** command in the CLI.
Support for multi-target Metro Mirror - Global Mirror session with Global Mirror capability to all sites	Copy Services Manager now supports a multi-target Metro Mirror - Global Mirror session type that allows a return to site 1 or site 3 in Global Mirror mode.
Support for three-site AIX HyperSwap	Copy Services Manager can now coexist with AIX PowerHA HyperSwap in a three-site environment.

Prerequisites

Prerequisites for Copy Services Manager include supported operating systems, browsers, and storage systems.

The Copy Services Manager prerequisites can be found at http://www-01.ibm.com/support/docview.wss?uid=ssg1S1005402.

General information

You can find more information about Copy Services Manager from the following resources:

Getting support

> For technical support with this release of Copy Services Manager, go to the following websites:
>
> - IBM System Storage products: http://www.ibm.com/servers/storage
> - IBM Copy Services Manager Support Portal: http://www.ibm.com/support/entry/portal/product/system_storage/storage_software/storage_infrastructure_management/ibm_copy_services_manager

Product documentation

> The Copy Services Manager online product documentation at http://www-01.ibm.com/support/knowledgecenter/SSESK4 contains all of the information that is required to install, configure, and manage Copy Services Manager. The online documentation is updated between product releases to provide the most current information.
>
> You can order or download individual publications that have an order number from the IBM Publications website at http://www-05.ibm.com/e-business/linkweb/publications/servlet/pbi.wss.

Table 2. Copy Services Manager product publications

Title	Description	Order number
IBM Copy Services Manager Installation and Configuration Guide	Provides task-oriented information for anyone who installs and configures Copy Services Manager.	SC27-8543
IBM Copy Services Manager User's Guide	Provides task-oriented information for users of Copy Services Manager. Users should be familiar with the following topics: • Copy Services concepts • General principles of IBM AIX, Linux, Windows, and the IBM z/OS operating systems • Simple Network Management Protocol (SNMP) concepts • Storage Area Network (SAN) concepts	SC27-8542

Known issues and workarounds

The following information describes current known issues with IBM Copy Services Manager Version 6.1.2 and any associated workarounds.

Table 3. IBM Copy Services Manager Version 6.1.2 known issues and workarounds

Issue	Explanation and possible workaround
When defined with the same consistency group name, all sessions that share the same DS8000 storage system have the same Master/Subordinate topology, even if there are sessions that do not span the same set of storage systems.	Copy Services Manager supports assigning the same consistency group name to multiple Global Mirror sessions. Master/Subordinate sessions for DS8000 are supported, but limited testing was completed for different combinations of Master/Subordinate configurations, due to environment limitations. Consult with IBM Support to ensure proper coverage of your required configuration.
When more than 256 Copy Services Manager sessions are assigned the same consistency group name, internal issues are encountered.	Limit the number of sessions with the same consistency group name to under 256. This issue will be addressed in a future release.
The Global Mirror options are not synced across sessions that share the same consistency group name. Therefore, when the Global Mirror Master is started, it uses the options that were defined for one of the sessions.	In Copy Services Manager, you can modify certain options for Global Mirror sessions, such as the consistency-group interval time. Ensure that all sessions that have the same consistency group name are also defined with the same Global Mirror options.
When the Global Mirror data for a session is exported, gaps might result with no data while the session was in a suspended state.	When a Global Mirror session that shares a consistency group name with other sessions is suspended, the suspended session is removed from the Master on the hardware while the other sessions are restarted and continue to form consistency groups. When a session is removed from the Master, Copy Services Manager stops collecting historical Global Mirror data for that session. This code limitation has no current workaround.
Copy Services Manager does not support the ability to change the Master of the Metro Global Mirror session from the H2 volumes to the H1 volumes without affecting the other Global Mirror sessions that share the consistency group name.	Copy Services Manager supports the ability to use the same consistency group name across a Metro Global Mirror session. However, when running H1>H2, if you issue either a Start H1>H3 to complete an Incremental Resync, or you issue a Suspend/Recover/Start H2H1H3 to switch the direction of the session, the Global Mirror session is terminated at site 2, which affects the other shared Global Mirror sessions. This is a code limitation with no current workaround.

*Table 3. IBM Copy Services Manager Version 6.1.2 known issues and
workarounds (continued)*

Issue	Explanation and possible workaround
Copy Services Manager does not support local OS authentication.	When you migrate from a Tivoli® Storage Productivity Center for Replication installation that uses local OS authentication to a Copy Services Manager installation (see the *IBM Copy Services Manager Installation and Configuration Guide* for migration instructions), local OS users are displayed on the Administration page with an indication that they were not found in either the LDAP or Basic User Registries. Delete these local OS users, and then either create new basic users for local users, or configure LDAP to use LDAP users or groups for authentication.
There is a known DS8000 issue on certain microcode levels when a relationship is running in Global Copy and switched to a Metro Mirror mode. An error occurs indicating that the multi-target feature is not supported. This problem might be encountered on Multi-Target Metro Mirror - Global Mirror and Multi-Target Metro Mirror - Global Mirror with Practice session types.	Suspend the Metro Mirror pairs, and then restart to work around the issue.
After a Recover to Site 3 for a Metro Mirror - Global Mirror with Practice session using count-key data (CKD) volumes, when a Start H3->H1->H2 or Start H3->H2->H1 command is issued, the hardware might return an error code 0F74 with Sense Byte 9 set to 0A on the H1-H3 relationships. This situation leads to a full copy of the data from H3 to H1.	There is a known issue after recovering to site 3 for a Metro Mirror - Global Mirror with Practice session using CKD volumes. The Start H3->H1->H3 and Start H3->H2->H1 command attempt to establish failed over relationships from the H3 volume back to H1 to avoid a full copy, as H3 is the target of the FlashCopy relationship and not in the remote copy relationship between site 1 and site 3. Due to the error in setting up the failback to avoid a full copy, the H3 to H1 relationship performs a full copy of the data.
The Copy Services Manager GUI currently does not support the use of spaces in a Domain user name or search realm.	Some Active Directory servers support spaces in the Domain user name or search realm. Contact IBM Support for a workaround to address this issue.
The Copy Services Manager GUI fails when testing a non-default Active Directory configuration.	Copy Services Manager adds a prefix to the **baseDN** of the value **"cn=users,dc="**, and to the **bindDN** of the value **"cn="**. Enter your domain without these characters (for example, **something.domain.company.com**). For users without the **cn=user,dc** format, contact IBM Support for assistance with manually updating the user registry.

Table 3. IBM Copy Services Manager Version 6.1.2 known issues and workarounds (continued)

Issue	Explanation and possible workaround
Copy Services Manager fails to connect to the following storage systems that are running at version 7.6, or higher: SAN Volume Controller, the IBM Storwize® family, or the IBM FlashSystem family of products.	Starting with the 7.6 versions of systems that are running IBM Spectrum Virtualize, which include SAN Volume Controller, the Storwize family, and FlashSystem family of products, you can configure a login welcome message. However, configuring this welcome message can cause issues with the Copy Services Manager connection to the system. Remove the welcome message to resolve the issue.
Copy Services Manager does not support migrating from one Copy Services Manager server to another on z/OS.	If you need to migrate Copy Services Manager from one server to another on z/OS, contact IBM Support.
The **Start H3H1H2/StartH3H2H1** command on a multi-target Metro Mirror - Global Mirror with Practice session receives a 0F52 hardware error.	During the **Start H3H1H2/Start H3H2H1** command operation for a multi-target Metro Mirror - Global Mirror with Practice session, a failover is issued to the H1/H2 volume to later establish H3 to H1/H2. If there are no paths between H1/H2 and H3, you receive a 0F52 error. The workaround for this scenario is to ensure that there are paths from H1/H2 to H3 and H3 to H1/H2 before you issue the **Start H3H1H2** or **H3H2H1** command.

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