

IBM Copy Services Manager
Version 6 Release 1

Release Notes
August 2016

IBM

Note:

Before using this information and the product it supports, read the information in "Notices" on page 9.

Edition notice

This edition applies to Version 6, Release 1, Modification 3 of IBM Copy Services Manager and to all subsequent releases and modifications until otherwise indicated in new editions.

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About this document

This document contains the release notes in support of IBM® Copy Services Manager Version 6, Release 1, Modification 3.

What's new

The following functions are introduced in IBM Copy Services Manager Version 6.1.3:

Version 6, Release 1, Modification 3

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

Table 1. What's new in Copy Services Manager Version 6.1.3 (August 2016)

Function or feature	Description
The 15-character restriction is now removed for SAN Volume Controller session names.	It is still recommended that the SAN Volume Controller session names remain fewer than 16 characters. Doing so means that the consistency group name that is created on the hardware can match the session name.
You can view the DS8000 [®] advanced settings from within the Copy Services Manager GUI.	The Copy Services Manager GUI now offers a way for you to view and download a CSV file that contains DS8000 advanced settings. The file displays only those settings that are changed from the default values.
The <i>IBM Copy Services Manager Installation and Configuration Guide</i> is now updated to reflect the latest FMIDs for the 6.1.3 release.	For products that use the System Modification Program/Extended (SMP/E) installation process, the function modification identifier (FMID) is a value that is used to distinguish separate parts of a product. An FMID is the zSeries identifier for a serviceable unit.
Copy Services Manager Version 6.1.3 now offers z/OS FlashCopy management through the z/OS FlashCopy [®] Manager utility. The <i>IBM Copy Services Manager z/OS FlashCopy Manager User's Guide</i> is also available to assist you with implementing this tool in your environment.	The z/OS FlashCopy Manager is an ISPF/PDF application dialog that helps simplify the FlashCopy Level 2 capabilities of a DS8000 storage system. FlashCopy technology can be used to address a range of business objectives. For example: <ul style="list-style-type: none">• Creating a copy of production data for subsequent transfer from disk to tape for disaster recovery.• Creating a copy for use in quality assurance testing of DB2[®] applications.• Creating a point-in-time restore point to minimize the impact of a software error that has corrupted a production database.

Chapter 1. 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>.

Chapter 2. 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 or location
<i>IBM Copy Services Manager Installation and Configuration Guide</i>	This guide provides task-oriented information for anyone who installs and configures IBM Copy Services Manager.	SC27-8543
<i>IBM Copy Services Manager User's Guide</i>	This guide provides task-oriented information for users of IBM Copy Services Manager. Users should be familiar with the following topics <ul style="list-style-type: none">• 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
<i>IBM Copy Services Manager z/OS FlashCopy Manager User's Guide</i>	This guide provides task-oriented information for those who administer FlashCopy operations in a z/OS environment.	SC27-8032

Table 2. Copy Services Manager product publications (continued)

Title	Description	Order number or location
<i>IBM Copy Services Manager Release Notes</i>	This document contains the release notes in support of IBM Copy Services Manager.	Search on IBM Copy Services Manager at IBM Fix Central (www.ibm.com/support/fixcentral) to locate and download the Release Notes related to your product version.
<i>IBM Copy Services Manager for z Systems Program Directory and IBM Copy Services Manager Basic Edition for z Systems Program Directory</i>	<p>These program directories are intended for system programmers who are responsible for program installation and maintenance.</p> <p>They contain information about the material and procedures associated with the installation of IBM Copy Services Manager for z Systems™ and IBM Copy Services Manager Basic Edition for z Systems.</p>	<p>http://ibm.co/1PWppUO</p> <p>Order number for the <i>IBM Copy Services Manager for z Systems Program Directory</i> is GI13-4517</p> <p>Order number for the <i>IBM Copy Services Manager Basic Edition for z Systems Program Directory</i> is GI13-4518</p>
<i>Program Directory for IBM Copy Services Manager FlashCopy Manager for IBM Copy Services Manager for z Systems</i>	This guide is intended for the system programmer or storage administrator of the IBM Copy Services Manager z/OS FlashCopy Manager utility.	GI11-2904

Chapter 3. Known issues and workarounds

The following information describes current known issues with IBM Copy Services Manager Version 6.1.3 and any associated workarounds.

Table 3. IBM Copy Services Manager Version 6.1.3 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 6.1.3 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 <i>IBM Copy Services Manager Installation and Configuration Guide</i> 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 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 6.1.3 known issues and workarounds (continued)

Issue	Explanation and possible workaround
<p>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.</p>	<p>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.</p>
<p>Copy Services Manager does not support migrating from one Copy Services Manager server to another on z/OS.</p>	<p>If you need to migrate Copy Services Manager from one server to another on z/OS, contact IBM Support.</p>
<p>The Start H3H1H2/StartH3H2H1 command on a multi-target Metro Mirror - Global Mirror with Practice session receives a 0F52 hardware error.</p>	<p>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.</p>

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