

What's New in IBM Copy Services Manager V6.3.11

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IDEA CSM-I-139 - Allow larger size volumes for FC targets and SGC recovery volumes

- Today a FlashCopy session target and a Safeguarded Copy session recovery volume, have to be the same size as the source volume
- Customers have requested the ability to use FlashCopy for migration
- In 6.3.11, a new “FlashCopy Migration” session is now available which allows customers to define targets with a larger size
- Customers have also requested allow Safeguarded Copy recovery volumes of a larger size.
- Having larger SGC recovery volumes allows customers to setup a pool of volumes that could be a recovery volume for any of their volumes, in case they need to recover only one, or a subset of volumes, such as with products like IZBR

Create Session

Hardware type: DS8000, DS8000, ESS 800

Session type: FlashCopy Migration

Choose Session Type

- Monitor
- ESESizer
- SGCSizer
- Point in Time
- FlashCopy
- FlashCopy Migration**
- Safeguarded Copy
- Synchronous
- Metro Mirror Single Direction
- Metro Mirror Failover/Fallback

***Host1 volume**
DS8000:2107.GXZ91:VOL:0200 (CSM200)

***Target1 volume**
DS8000:2107.GXZ91:VOL:6400

Volume Details

User Name: CSM200
Full Name: DS8000:2107.GXZ91:VOL:0200
Type: 3390
Capacity: 100 Cyls
Protected: No
Space Efficient: No
z/OS Connection: No
Volume WWN: 6005076307FFD7A30000000000000200
Device Number: N/A

Volume Details

User Name: DS8000:2107.GXZ91:VOL:6400
Full Name: DS8000:2107.GXZ91:VOL:6400
Type: 3390
Capacity: 60102 Cyls
Protected: No
Space Efficient: No
z/OS Connection: No
Volume WWN: 6005076307FFD7A300000000000006400
Device Number: N/A

OK Cancel

View / Modify Properties for session SGC_site4

Session Options Backup Options **H1-R1 Options**

Backup Recovery:

No Copy
 Persistent
 Allow Larger Target Volumes

OK Cancel

IDEA CSM-I-155 - LSS level selection for ESESizer and SGCSizer

- Both the ESESizer and SGCSizer sessions only require a single volume in the copy set
- In previous releases, while you could multi-select all the volumes in an LSS, you had to go through the wizard another time to choose the volumes in a different LSS
- In 6.3.11, you can now multi-select at the LSS level
- When multi-selecting LSSs, all volumes in the selected LSS will get added to the session
- In addition, when single selecting an LSS, there are new Select All or Deselect All buttons allowing for easier selection

The screenshot displays the 'Add Copy Sets - SGCSizer' wizard interface. The wizard is titled 'Add Copy Sets - SGCSizer' and is currently on the 'Choose Host1' step. The 'Host1 storage system' is set to 'DS8000:BOX:2107.KMX61'. The 'Host1 logical storage subsystem' is set to 'All Volumes For all LSS's Selected'. The 'Host1 volume' is set to 'All Volumes For all LSS's Selected'. The wizard includes a 'Select All' button and a 'Deselect All' button for the logical storage subsystem. The wizard also includes a 'Browse...' button for the volume selection. The wizard is displayed over a background of the SGCSizer main interface, which shows the 'Sessions > SGCSizer' view and a list of participating role pairs.

IDEA CSM-I-162 - Display Role Pair on DS8000 Global Mirror Info Tab

- CSM 6.3.9 and DS8000 9.4 introduced the ability to have more than 1 active GM role pair in a session
- Both the Global Mirror – Global Mirror session (which defines a multi-target Global Mirror relationship), as well as the 4 Site Replication Enhanced session (which defines a cascaded Global Mirror relationship), might have more than one active Global Mirror relationship
- When there is more than one Global Mirror relationship, the Global Mirror Info tab will display the details for each of the Global Mirror sessions on the hardware
- Starting with 6.3.11, a new “Role Pair” field will now display with each entry, so that you can easily tell which details are for what Role Pair in the session

MT-GMGM

Session Actions: -

Status Normal
State Prepared
Session Type Global Mirror - Global Mirror
Active Host H1
Recoverable Yes
Description (modify)
Copy Sets 1 (view)
Group Name

H1-J3 Consistency Group 3 (modify)
H1-J2 Consistency Group 6 (modify)
H2-J3 Consistency Group default (modify)
H3-J2 Consistency Group 81 (modify)
H2-J1 Consistency Group default (modify)
H3-J1 Consistency Group 41 (modify)

Role Pairs Info | **Global Mirror Info**

[View Global Mirror Data](#) | [Export Global Mirror Data](#)

Global Mirror Master: DS8000:2107.KMX61:LSS:C0

Role Pair: H1-J3 ←
Last Master Consistency Group Time: Jun 21, 2024, 3:35:44 PM CDT
Master Time During Last Query: Jun 21, 2024, 3:35:45 PM CDT
Data Exposure: 1.52 seconds

Session ID: 0x3
Master State: Running
Unsuccessful CG's since last successful CG: 0

CG Interval Time: 0 seconds
Max Coordination Interval: 50 milliseconds
Max CG Drain Time: 240 seconds

	Previous Query	Total
Unsuccessful CGs	0 (0%)	0 (0%)
Successful CGs	60 (100%)	62 (100%)

Global Mirror Master: DS8000:2107.KMX61:LSS:C0

Role Pair: H1-J2 ←
Last Master Consistency Group Time: Jun 21, 2024, 3:35:40 PM CDT
Master Time During Last Query: Jun 21, 2024, 3:35:40 PM CDT
Data Exposure: 1.50 seconds

Session ID: 0x6
Master State: Running
Unsuccessful CG's since last successful CG: 0

CG Interval Time: 0 seconds
Max Coordination Interval: 50 milliseconds
Max CG Drain Time: 240 seconds

	Previous Query	Total
Unsuccessful CGs	0 (0%)	0 (0%)
Successful CGs	61 (100%)	63 (100%)

Support LDAP for z/OS RACF

- CSM has always supported both Basic users as well as LDAP users
- Starting with 6.3.11, CSM now supports the ability to define an LDAP server running on z/OS with the SDBM backend
- This setup can be done through the Advanced Setup tab for LDAP using the following XML, updating the bold values for your environment
- This support provides mainframe customers the ability to setup CSM on a Distributed server while still using the same RACF users defined on the z/OS system with the volumes that CSM is managing

The screenshot displays the 'LDAP Configuration' window with the 'Advanced' tab selected. The 'Configuration' section shows XML code for defining an LDAP server. The XML includes a server description, LDAP registry details (baseDN, bindDN, bindPassword, host, id, ldapType, port, realm), and various filters and mappings for user and group identification. A 'Bind Password' field is visible below the XML, with 'Enter' and 'Load' buttons. A 'Test' button is located at the bottom of the configuration area.

```

1 <server description="IBM Copy Services Manager LDAP Registry">
2
3 <ldapRegistry baseDN="profiletype=user,sysplex=PLEXNAME" bindDN="racfid
   =csmusr,profiletype=user,sysplex=SVPLEX1" bindPassword
  ="{xor}asBSC124==" host="hostname.domain.com" id="ldap" ldapType
   ="IBM Tivoli Directory Server" port="389" realm="RACFRealm">
4
5 <idsFilters groupFilter="racfid" <server description="IBM Copy Services Manager LDAP Registry">
   groupMemberIdMap="racfconne <ldapRegistry baseDN="profiletype=user,sysplex=PLEXNAME"
   ="racfid=%v" userIdMap="*:r bindDN="racfid=csmusr,profiletype=user,sysplex=SVPLEX1" bindPassword="{xor}asBSC124=="
6
7 </ldapRegistry> host="hostname.domain.com" id="ldap" ldapType="IBM Tivoli Directory Server" port="389"
8
9                                     realm="RACFRealm">
   <idsFilters groupFilter="racfid=%v" groupIdMap="*:racfid"
   groupMemberIdMap="racfconnectgroupname:racfgroupuserids" userFilter="racfid=%v"
   userIdMap="*:racfid" />
   </ldapRegistry>
   <federatedRepository>
   <extendedProperty dataType="String" entityType="PersonAccount" name="racfid" />
   <extendedProperty dataType="String" entityType="Group" name="racfid" />
   <primaryRealm name="FederatedRealm">
   <participatingBaseEntry name="profiletype=user,sysplex=PLEXNAME" />
   <userDisplayNameMapping inputProperty="racfid" outputProperty="racfid" />
   <userSecurityNameMapping inputProperty="racfid" outputProperty="racfid" />
   <groupSecurityNameMapping inputProperty="uniqueName" outputProperty="uniqueName" />
   <uniqueGroupIdMapping inputProperty="uniqueName" outputProperty="uniqueName" /> </
   primaryRealm> </federatedRepository>
   </server>

```

Support for connecting to DS8000 storage systems using z/OS Passtickets

- Today CSM supports connecting to the DS8000 storage system using a userid and a static password
- With most customers now requiring rolling passwords for security, this becomes difficult to have to modify this password across all storage system connections when the password changes
- Starting with CSM 6.3.11, CSM can now connection to the DS8000 with a z/OS Passticket
- Users in RACF can be setup with a Passticket key which can be added to the CSM DS8000 connection instead of a password. Every time CSM attempts to connect to the storage system, a new Passticket is created to authenticate to RACF. This means the password is ALWAYS different, and doesn't need to be modified in CSM
- To support DS8000 Passticket connections, the DS8000 must be setup for LDAP for z/OS RACF with the SDBM backend.

The screenshot displays the 'Add Storage System Wizard' web interface. The browser address bar shows the URL: `https://localhost:9559/CSM/WizardFactory.jsp?wizardname=AddSubsystemWizard#TOP`. The page title is 'Add Storage System Wizard'. The main content area is titled 'Add Storage System' and includes a navigation pane on the left with options: 'Type', 'Connection', 'Adding Storage System', and 'Results'. The 'Connection' step is active, showing a 'DS8000' storage system icon. The 'Connection' section contains the following fields:

Connection	
Enter connection information for the DS8000 storage system.	
Primary HMC	Secondary HMC (Optional)
*IP Address/Domain Name	IP Address/Domain Name
<input type="text" value="9.12.39.132"/>	<input type="text" value="9.12.39.133"/>
Credentials	
*Username	
<input type="text" value="CSMUSR"/>	
*Password or PassTicket Key	Application Name (PassTicket Only)
<input type="password" value="....."/>	<input type="text" value="LDAPSRV"/>

At the bottom of the wizard, there are navigation buttons: '< Back', 'Next >', 'Finish', and 'Cancel'.

Support Scheduled Task Run External Script action with SSH key pair

- The Scheduled Task Action 'Run External Script' allows customers today to execute external scripts via an SSH userid / password
- Starting with 6.3.11, customers can now setup an SSH key pair for the Run External Script action instead of using a static password
- To setup an SSH key you can now define an External Server connection which can be used across multiple Scheduled Tasks
- If the server connection is setup for an SSH key connection, you can then export the key and apply that key on the server that will be called by the Scheduled Task

The screenshot displays the IBM Copy Services Manager interface. The main window shows the 'Scheduled Tasks' section with a table of tasks:

Name	ID
windows script	60
windows script via key	61

Below the table, there are buttons for 'Create Task...', 'External Server Connections...', and 'Actions...'. A 'Select Server' dialog is open, showing a table of server connections:

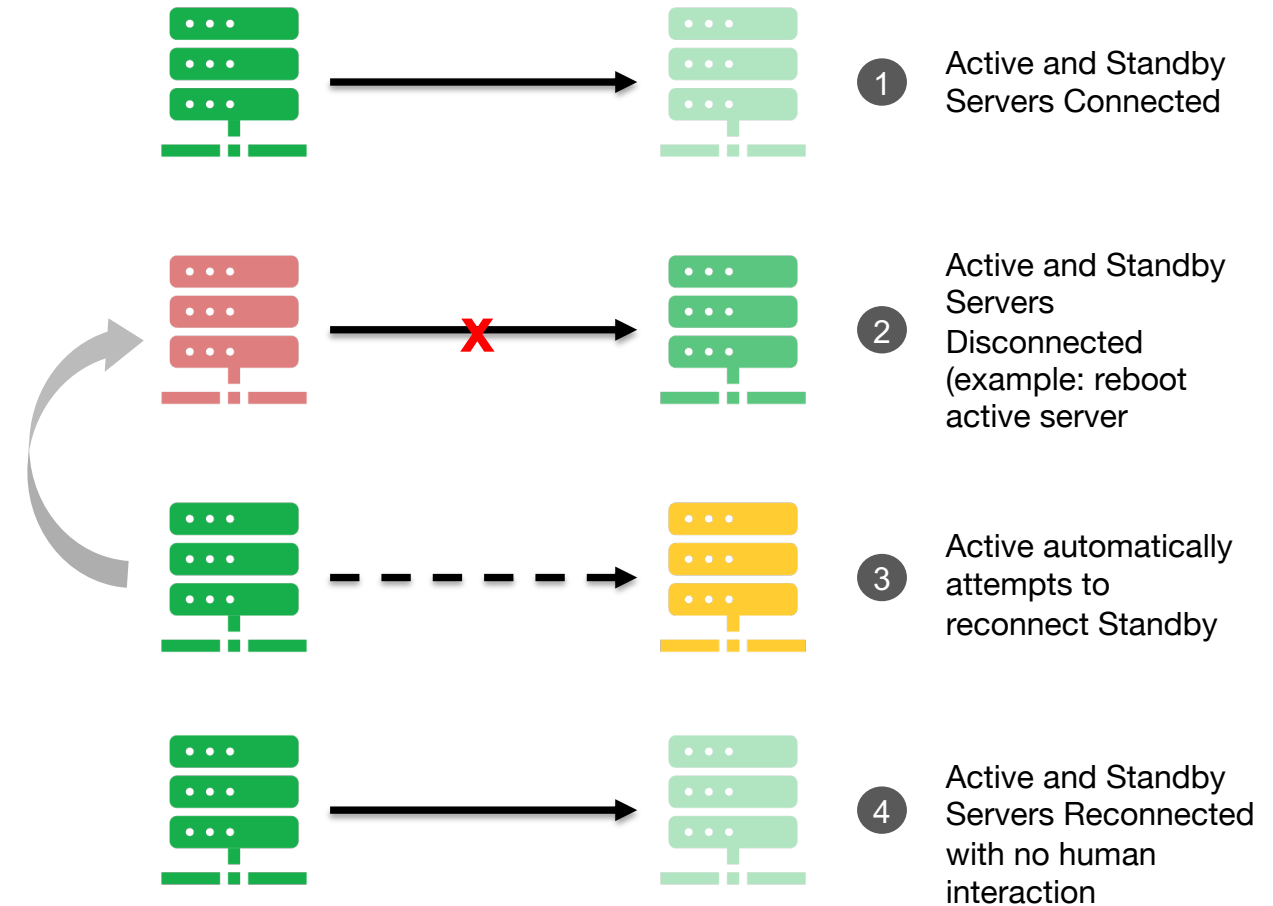
Hostname	UserID	Auth
amador1.storage.tucson.ibm.com	root	Pa
amador1.storage.tucson.ibm.com	root	SS
csmwin2k12r2.tuc.stglabs.ibm.com	Administra...	Pa
csmwin2k12r2.tuc.stglabs.ibm.com	Administra...	SS

Overlaid on the main window are two configuration dialogs:

- Modify Server Dialog:**
 - Title: Modify Server
 - Section: Specify the hostname and port for the SSH connection?
 - Hostname: amador1.storage.tucson.ibm.c
 - Port (optional): 22
 - Section: What authentication method should be used?
 - Connect to server with userid and password
 - Connect to server with SSH key
 - Fields: UserID (root), Password (empty), Operating System (Windows)
 - Generate a new key pair
- Modify Action Dialog:**
 - Title: Modify Action
 - Section: What action will the task perform?
 - Type: Run External Script
 - Section: What server should the script run on?
 - Select Server: Administrator@csmwin2k12r2.tuc.stglabs.ibm.com
 - Section: What command should be issued through SSH?
 - Command: hostname
 - Section: How long should the action wait before timing out?
 - Time (minutes): 5
 - Section: What string in the command output will indicate a successful completion? (optional)
 - Success string: (empty)

IDEA CSM-I-160 - Automatically reconnect active and standby servers after a disconnect

- When an Active and Standby server disconnects the standby will go into a Disconnected Consistent state
- Starting with the 6.3.11 release, after a disconnect, the active server will automatically attempt to reconnect to the standby
- The active will attempt to reconnect by default every minute for up to 10 minutes. If it cannot reconnect within that time a manual reconnect will be necessary
- When the active server automatically reconnects, before sync'ing the servers, a backup will be taken automatically on the standby server to ensure a consistent image is preserved of the standby config
- If a takeover is issued to the standby server, the active will see this on the next attempt to reconnect and will stop trying to reconnect
- NOTE: When upgrading the active and standby servers it is always recommended to issue a takeover on the standby server prior to the upgrade process



IBM System Storage Ideas Portal!!! -> New RFE Portal for CSM

<https://ibm-sys-storage.ideas.ibm.com/ideas?project=CSM>

- The CSM RFE process has been converted to the new IBM System Storage Ideas Portal.
- With the change, IBM is moving to a more common Aha! based process for customers to submit ideas across all IBM products.
- All existing RFEs have been converted to Ideas. When you visit an RFE for status it will direct you to the Idea for that RFE in the Idea Portal.

IBM System Storage Ideas Portal

Shape the future of IBM!

We invite you to shape the future of IBM, including product roadmaps, by submitting ideas that matter to you the most. Here's how it works:

Post your ideas

Start by posting ideas and requests to enhance a product or service. Take a look at ideas others have posted and upvote them if they matter to you,

1. Post an idea
2. Upvote ideas that matter most to you
3. Get feedback from the IBM team to refine your idea

Help IBM prioritize your ideas and requests

The IBM team may need your help to refine the ideas so they may ask for more information or feedback. The offering manager team will then decide if they can begin working on your idea. If they can start during the next development cycle, they will put the idea on the priority list. Each team at IBM works on a different schedule, where some ideas can be implemented right away, others may be placed on a different schedule.

Receive notification on the decision

Some ideas can be implemented at IBM, while others may not fit within the development plans for the product. In either case, the team will let you know as soon as possible. In some cases, we may be able to find alternatives for ideas which cannot be implemented in a reasonable time.



Thank you!

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