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## IBM Copy Services Manager

Version 6.2.9.1

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### Project description

The release provides fixes on top of the Copy Services Manager 6.2.9.0 release. For more details on the 6.2.9.0 release see the Release Notes.

<https://www.ibm.com/support/pages/node/6238012>

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### Fixes provided in this release

## **APAR PH28077 – Planned or Unplanned z/OS HyperSwap issues with Copy Services Manager running a cascaded Metro Global Mirror or Metro Global Mirror with Practice session**

### **Affected Domain**

Copy Services Manager (CSM) managing a cascaded Metro Global Mirror (MGM) or Metro Global Mirror with Practice (MGM w/ Practice) session, with z/OS HyperSwap enabled on the following DS8000 Microcode levels

8870: R7.5 SP13 (87.52.44.0)

8880: R8.5 SP5.0 and R8.5 SP5.1 (88.55.9.0 and 88.55.9.1)

8900: R9.0 - R9.0 SP2.2 (89.0.214.0 to 89.2.40.1)

**NOTE: Multi-Target three site and four site solutions are NOT affected by the issue.**

### **Description**

A DS8000 microcode problem exists on the microcode levels listed in the affected domain and affects z/OS environments where CSM is managing MGM and MGM w/ Practice. When a HyperSwap (planned or unplanned) is initiated, this will result in the HyperSwap failing, possibly leading to a loss of access and systems outage.

A CSM problem exists for ALL 8900 microcode levels where CSM is managing MGM or MGM w/ Practice. After a z/OS HyperSwap (planned or unplanned) is initiated, the Start command to get back to a three-site topology (ie Start H1->H2->H3 or Start H2->H1->H3) fails and leads to requiring a full copy of the data.

**NOTE Multi-Target three site and four site solutions are NOT affected by the issue.**

## Mitigation

For 8870 environments	Install IOS APAR OA60012*
For 8880 environments	Install IOS APAR OA60012*
For 8900 environments	<ul style="list-style-type: none"><li>• Install IOS APAR OA60012*</li><li>• For z/OS CSM installations install CSM APAR PH28077 (PTF UI71064) on z/OS LPARs</li><li>• For Distributed CSM installations upgrade to fix pack 6.2.9.1.</li></ul>

\*Until the IOS APAR OA60012 is available on the IBM Fix Central site, open up a support case with the IOS support team and request the APAR.

## Fix

**Apply the mitigation above prior to installing the microcode fixes below**

For 8870 environments	Install R7.5 SP13.1 (87.52.45.0)
For 8880 environments	Install R8.5 SP6 (88.56.9.0) or R8.5 SP5.2 (88.55.9.2)
For 8900 environments	Install R9.0 SP3 (89.3.6.0)

## Recommendation

If customer is running CSM to manage an MGM or MGM w/ Practice session and has z/OS HyperSwap enabled, apply the mitigation or the fix as soon as possible.

IBM recommends refraining from performing any planned HyperSwap activities for machines in a cascaded MGM or MGM w/ Practice environment in the affected domain until applying either the mitigation or fix.

## **Remote CLI for Copy Services Manager running on Windows fails to start.**

### **Affected Domain**

The 6.2.9.0 Remote CLI for Copy Services Manager (CSM) running on a Windows system. The CSM server is not affected by this issue.

### **Description**

The remote CLI zip file for Windows systems (Storage\_CSM\_CLI\_6.2.9\_Win.zip) was corrupted on Fix Central. The remote CLI for all other operating systems for the 6.2.9.0 download work properly.

### **Fix**

Download and unzip the remote Copy Services Manager CLI for Windows (Storage\_CSM\_CLI\_6.2.9.1\_Win.zip).

### **Recommendation**

Any customers needing to run the CSM CLI on a remote Windows system should download and extract the 6.2.9.1 Windows zip.