TotalStorage Productivity Center for
Replication
Global Copy relationships in consistency groups

IBM

Flash

Version 3 Release 4.1 and earlier

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Contents

About this flash

This flash addresses a problem with the consistency group mode becoming enabled for Global Copy relationships on ESS800, DS6000™, and DS8000™ Storage Systems.

This issue was addressed by APAR IC57623. The following PTFs address the issue:

- 3.3.3.6
- 3.4.0.2
- 3.4.1.1

The information is organized into general categories.

Problem description

ESS800, DS6000, and DS8000 paths for copy services appear to be established with consistency group mode enabled, even if the relationships are suppose to be Global Copy relationships.

Resolving the problem

Global Copy pairs do not need the consistency group mode enabled. This could affect your application if there is an error on a secondary volume. Since Global Copy is typically set up to have minimal application impact, TotalStorage® Productivity Center for Replication needs to ensure that if the relationships are Global Copy relationships, the consistency group mode is disabled.

This flash ensures that if TotalStorage Productivity Center for Replication establishes Global Copy relationships on an ESS800, DS6000, and DS8000 storage system, that the paths are reestablished with the consistency group mode disabled.

Note: An exception to this is when the paths are shared with Metro Mirror relationships that are also managed by the same TotalStorage Productivity Center for Replication server.

To avoid this problem prior to installing the program temporary fix (PTF), you should query the consistency group using either the DSCLI command, ICKDSF utility, or the TSO command to ensure that the consistency group mode is disabled. This query should be done after any configuration changes to the session or Start commands done to a session as well as after any changes to the copy services using copy services management tools outside of TotalStorage Productivity Center for Replication, such as DSCLI.

If the consistency group setting is already enabled, applying this fix pack will not cause the setting to automatically be disabled. The paths will need to be reestablished using either TotalStorage Productivity Center for Replication or the DSCLI command to be disabled.

It is recommended all customers running sessions using Global Mirror issue the DSCLI, ICKDSF, or TSO queries to determine if the consistency group is currently enabled.

Appendix. Notices

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