Automatic giveback commands

ONTAP 9

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Automatic giveback commands

In certain situations, you might need to manage your automatic giveback settings using ONTAP commands.

If you want to…	Use this command…
Enable automatic giveback so that giveback occurs as soon as the taken-over node boots, reaches the Waiting for Giveback state, and the Delay before Auto Giveback period has expired. The default setting is true.	storage failover modify -node *nodename* -auto-giveback true
Disable automatic giveback. The default setting is true. **Note:** Setting this parameter to false does not disable automatic giveback after takeover on panic and takeover on reboot; automatic giveback after takeover on panic must be disabled by setting the `-auto-giveback-after-panic` parameter to false.	storage failover modify -node *nodename* -auto-giveback false
Disable automatic giveback after takeover on panic (this setting is enabled by default).	storage failover modify -node *nodename* -auto-giveback-after-panic false
Delay automatic giveback for a specified number of seconds (default is 600). This option determines the minimum time that a node remains in takeover before performing an automatic giveback.	storage failover modify -node *nodename* -delay-seconds *seconds*

How variations of the storage failover modify command affect automatic giveback

The operation of automatic giveback depends on how you configure the parameters of the storage failover modify command.

The following table lists the storage failover modify command parameters that apply to takeover events not caused by a panic:

Parameter	Default setting
-auto-giveback *true* | *false*	*true*

Parameter	Default setting
-delay-seconds *integer* (seconds)	600
-onreboot *true* | *false*	*true*

The following table describes how combinations of the `-onreboot` and `-auto-giveback` parameters affect automatic giveback for takeover events not caused by a panic.

storage failover modify parameters used	Cause of takeover	Does automatic giveback occur?
-onreboot *true* -auto-giveback *true*	reboot command	Yes
	halt command, or power cycle operation issued from the Service Processor	Yes
-onreboot *true* -auto-giveback *false*	reboot command	Yes
	halt command, or power cycle operation issued from the Service Processor	No
-onreboot *false* -auto-giveback *true*	reboot command	No
	halt command, or power cycle operation issued from the Service Processor	Yes
-onreboot *false* -auto-giveback *false*	reboot command	No
	halt command, or power cycle operation issued from the Service Processor	No

If the `-onreboot` parameter is set to true and a takeover occurs due to a reboot, then automatic giveback is always performed, regardless of whether the `-auto-giveback` parameter is set to true.

When the `-onreboot` parameter is set to false, a takeover does not occur in the case of a node reboot. Therefore, automatic giveback cannot occur, regardless of whether the `-auto-giveback` parameter is set to true. A client disruption occurs.

The effects of automatic giveback parameter combinations that apply to panic situations.

The following table lists the `storage failover modify` command parameters that apply to panic situations:

Parameter	Default setting
-onpanic *true* | *false*	*true*
-auto-giveback-after-panic *true* | *false* (Privilege: Advanced)	*true*
-auto-giveback *true* | *false*	*true*

The following table describes how parameter combinations of the `storage failover modify` command affect automatic giveback in panic situations.

storage failover parameters used	Does automatic giveback occur after panic?
-onpanic `false` -auto-giveback-after-panic `true`	No
-onpanic `false` -auto-giveback-after-panic `false`	No
-onpanic `true` -auto-giveback `true` -auto-giveback-after-panic `true`	Yes
-onpanic `true` -auto-giveback `true` -auto-giveback-after-panic `false`	No
-onpanic `true` -auto-giveback `false` -auto-giveback-after-panic `true`	Yes
-onpanic `true` -auto-giveback `false` -auto-giveback-after-panic `false`	No
-onpanic `false` If -onpanic is set to `false`, takeover/giveback does not occur, regardless of the value set for -auto -giveback or - auto-giveback-after-panic	No

If the -onpanic parameter is set to `true`, automatic giveback is always performed if a panic occurs unless you have changed the default settings for the -auto-giveback and -auto -giveback-after-panic parameters. If both of these parameters are changed from their default (`true`,) to `false`, then an automatic giveback will not occur after a panic, even if the -onpanic parameter is set to `true`.

If the -onpanic parameter is set to `false`, takeover does not occur. Therefore, automatic giveback cannot occur, even if the auto giveback after panic parameter is set to `true`. A client disruption occurs.