



SnapDrive commands and capabilities

Snapdrive for Unix

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In role-based access control (RBAC), a specific capability is required for each operation to be successful. A user must have the correct set of capabilities assigned to carry out storage operations.

The following table lists the commands and the corresponding capabilities required:

Command	Capability
<code>storage show</code>	SD.Storage.Read on volume
<code>storage list</code>	SD.Storage.Read on volume
<code>storage create</code>	<ul style="list-style-type: none">• For LUNs inside volumes: <code>SD.Storage.Write</code> on Volume• For LUNs inside qtrees: <code>SD.Storage.Write</code> on qtree
<code>storage resize</code>	<code>SD.Storage.Write</code> on LUN
<code>storage delete</code>	<code>SD.Storage.Delete</code> on LUN
<code>snap show</code>	<code>SD.SnapShot.Read</code> on volume
<code>snap list</code>	<code>SD.SnapShot.Read</code> on volume
<code>snap delete</code>	<code>SD.Storage.Delete</code> on volume
<code>snap rename</code>	<code>SD.Storage.Write</code> on volume
<code>snap connect</code>	<ul style="list-style-type: none">• For LUN clones in volume: <code>SD.SnapShot.Clone</code> on volume• For LUN clones in qtree: <code>SD.SnapShot.Clone</code> on qtree• For traditional volume clones: <code>SD.SnapShot.Clone</code> on storage system• For FlexClone volume: <code>SD.SnapShot.Clone</code> on the parent volume• For unrestricted Flexclone volumes: <code>SD.SnapShot.UnrestrictedClone</code> on the parent volume

Command	Capability
<code>snap connect-split</code>	<ul style="list-style-type: none"> • For LUN clones (LUN cloned and split in volume): <code>SD.SnapShot.Clone</code> on volume and <code>SD.Storage.Write</code> on volume • For LUN clones (LUN cloned and split in qtree): <code>SD.SnapShot.Clone</code> on qtree and <code>SD.Storage.Write</code> on qtree • For traditional volume clones which are split: <code>SD.SnapShot.Clone</code> on storage system and <code>SD.Storage.Write</code> on storage system • For Flex volume clones which are split: <code>SD.SnapShot.Clone</code> on the parent volume.
<code>clone split start</code>	<ul style="list-style-type: none"> • For LUN clones where the LUN resides in volume or qtree: <code>SD.SnapShot.Clone</code> containing volume or qtree • For volume clones: <code>SD.SnapShot.Clone</code> on the parent volume
<code>snap disconnect</code>	<ul style="list-style-type: none"> • For LUN clones where the LUN resides in volume or qtree: <code>SD.SnapShot.Clone</code> containing volume or qtree • For volume clones: <code>SD.SnapShot.Clone</code> on the parent volume • For deletion of unrestricted volume clones: <code>SD.SnapShot.DestroyUnrestrictedClone</code> on the volume
<code>snap disconnect-split</code>	<ul style="list-style-type: none"> • For LUN clones where the LUN resides in volume or qtree: <code>SD.SnapShot.Clone</code> on the containing volume or qtree • For volume clones: <code>SD.Storage.Delete</code> on the parent volume • For deletion of unrestricted volume clones: <code>SD.SnapShot.DestroyUnrestrictedClone</code> on the volume

Command	Capability
<code>snap restore</code>	<ul style="list-style-type: none"> • For LUNs that exist in a volume: <code>SD.SnapShot.Restore</code> on volume and <code>SD.Storage.Write</code> on LUN • For LUNs which exists in a qtree: <code>SD.SnapShot.Restore</code> on qtree and <code>SD.Storage.Write</code> on LUN • For LUNs which are not in the volumes: <code>SD.SnapShot.Restore</code> on volume and <code>SD.Storage.Write</code> on volume • For LUNs which are not in qtree: <code>SD.SnapShot.Restore</code> on qtree and <code>SD.Storage.Write</code> on qtree • For volumes: <code>SD.SnapShot.Restore</code> on storage system for traditional volumes, or <code>SD.SnapShot.Restore</code> on aggregate for flexible volumes • For single-file snap restore in volumes: <code>SD.SnapShot.Restore</code> on the volume • For single-file snap restore in qtree: <code>SD.SnapShot.Restore</code> qtree • For overriding baseline Snapshot copies: <code>SD.SnapShot.DisruptBaseline</code> on the volume
<code>host connect, host disconnect</code>	<code>SD.Config.Write</code> on the LUN
<code>config access</code>	<code>SD.Config.Read</code> on the storage system
<code>config prepare</code>	<code>SD.Config.Write</code> on at least one storage system
<code>config check</code>	<code>SD.Config.Read</code> on at least one storage system
<code>config show</code>	<code>SD.Config.Read</code> on at least one storage system
<code>config set</code>	<code>SD.Config.Write</code> on storage system
<code>config set -dfm, config set -mgmtpath,</code>	<code>SD.Config.Write</code> on at least one storage system
<code>config delete</code>	<code>SD.Config.Delete</code> on storage system
<code>config delete dfm_appliance, config delete -mgmtpath</code>	<code>SD.Config.Delete</code> on at least one storage system

Command	Capability
<code>config list</code>	<code>SD.Config.Read</code> on at least one storage system
<code>config migrate set</code>	<code>SD.Config.Write</code> on at least one storage system
<code>config migrate delete</code>	<code>SD.Config.Delete</code> on at least one storage system
<code>config migrate list</code>	<code>SD.Config.Read</code> on at least one storage system



SnapDrive for UNIX does not check any capability for administrator (root).

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