NetApp Knowledge Base

Is the volume make-vsroot command disruptive to SVM volume junction paths?

https://kb-stage.netapp.com/on-prem/ontap/Ontap_OS/OS-KBs/Is_the_volume_make-vsroot_comman…
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Applies to

ONTAP 9

Answer

Yes.

- The `volume make-vsroot` command is used to promote a non-root volume of the respective SVM to be the SVM's new root volume.
- This new SVM root volume must be a FlexVol volume with a size of at least 1 GB.
- Whenever a volume is promoted to be the new root volume of the target SVM, all

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junction paths to all associated volumes under the SVM will be disconnected, which will induce a service outage for the affected volumes.

Note: This is by design and is not due to any bug in ONTAP.

Additional Information

To create a new SVM root volume in the least impacting method, the following steps should be used. Note that this should only be done during a service window, as this procedure will induce an outage for all volumes under the SVM.

- Create a new target root volume for the respective SVM, i.e.

```
::> volume create -volume <new_svm_root> -aggregate <aggr name> -size 1GB
```

- After the volume is created, enter diagnostic mode with

```
::> set diag
```

- The while in diag mode, execute the command to promote the new SVM root volume with

```
::*> volume make-vsroot -vserver <SVM name> -volume <new_svm_root>
```

- Check the new SVM root volume with this command to insure that it has been successfully promoted:

```
 ::> volume show -volume new_svm2_root -fields vsroot
vserver volume        vsroot
------- ------------- ------
svm2    new_svm2_root true
```

Other Notes:

- If unmount fails, you may have to use a "volume offline" and subsequent "volume online" for each volume that fails.
- Make sure to match the export policy of the prior SVM root with the "-policy" on the volume create to be sure there are traverse RO permissions. (the default policy has no rules unless it was modified)
- Check and create any directory paths if the volume mount paths are not "/{volname}". Some volumes might

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have been mounted using "/vol/{volname}"

- Be sure to create new LS Mirrors for the new SVM root volumes.

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