



Enabling CAW on a datastore using the ESXi CLI

ONTAP 7-Mode Transition

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Table of Contents

Enabling CAW on a datastore using the ESXi CLI 1

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If you did not have support for Compare and Write (CAW) in Data ONTAP operating in 7-Mode, you must manually enable CAW support when you transition to clustered Data ONTAP. Clustered Data ONTAP supports CAW by default.

- There must be no I/O or VMs actively running on the VMFS datastore.
- The datastore must be remounted, if it was migrated.
- You must have the new ONTAP LUN naa ID from the 7-Mode Transition Tool (7MTT) mapping file.

CAW must be enabled only when no I/O or VMs are actively running on the VMFS datastore.

- CAW must be enabled only when no I/O or VMs are actively running on the VMFS datastore.
- For copy-based transitions, perform these steps after completing the Storage cutover operation in the 7MTT.
- For copy-free transitions, perform these steps after the Import Data & Configuration operation in the 7MTT is complete.

Steps

1. Open the *Inventory Assessment Workbook* generated by the Inventory Collect Tool (ICT).
2. Navigate to the SAN Host Filesystems tab.
3. Verify the CAW status for the datastore.

The **ATS/CAW** value for the datastore should display **Disabled**, and the Filesystem column should display **VMFS.x**.

4. Note the name of the datastore in the Disk column
5. Log in to the ESXi console using SSH.
6. List the device and partition details:

```
~ # vmkfstools -Ph -v1 datastore_path
```

datastore_path is the datastore name from the Disk column of the *Inventory Assessment Workbook*.

```
# vmkfstools -Ph -v1 /vmfs/volumes/datastorename
```

```
VMFS-5.60 file system spanning 1 partitions.
File system label (if any): datastorename
Mode: public
Capacity 9.8 GB, 8.2 GB available, file block size 1 MB, max file size
64
TB
Volume Creation Time: Mon Dec 9 10:29:18 2013
Files (max/free): 27408/27394
Ptr Blocks (max/free): 64512/64495
Sub Blocks (max/free): 3968/3964
Secondary Ptr Blocks (max/free): 256/256
File Blocks (overcommit/used/overcommit %): 0/1593/0
Ptr Blocks (overcommit/used/overcommit %): 0/17/0
Sub Blocks (overcommit/used/overcommit %): 0/4/0
Volume Metadata size: 590675968
UUID: 52a59b7e-52d2fb6c-11d6-001ec9d631cb
Partitions spanned (on "lvm"):
naa.600a098044314c6c442b446d51376749:1
naa.600a098054314c6c445d446f79716431:1
naa.600a098054314c6c445d446f79716433:1
Is Native Snapshot Capable: YES
```

7. Note the first device name and partition number.

In the preceding example, `naa.600a098044314c6c442b446d51376749:1` is the device name and partition number.

8. Use the device ID and partition number to enable CAW on the datastore:

```
~# vmkfstools --configATSOOnly 1 /vmfs/devices/disks/device-ID:Partition
```

9. Verify that the VMFS volume has been configured with ATS only:

```
# vmkfstools -Ph -v1 /vmfs/volumes/VMFS-volume-name
```

```
VMFS-5.54 file system spanning 1 partitions.
File system label (if any): ats-test-1
Mode: public ATS-only
```

Related information

[Remounting VMFS volumes after transition using vSphere Client](#)

[Remounting VMFS volumes after transition using the ESXi CLI](#)

[VMware documentation](#)

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