

UCS B-Series Servers: Replacing a RAID Controller with older firmware may cause the data-store mount to failure in ESXi hosts

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[Related BUG: CSCvr11972](#)

Problem Statement:

After the replacement of the RAID Controller the NAA id of the VD was changed during foreign configuration import and that caused the datastore mount to fail.

Affected Hardware:

UCSB-MRAID12G

UCSC-MRAID12G

Servers with UCSB-MRAID12G RAID Controllers:

UCS B200 M4

UCS B200 M5
UCS B480 M5
UCS B420 M4

UCS C220 M4

UCS C240 M4

Affected Firmware:

RAID Controller Firmware : 24.5.x.x and 24.6.x.x

Example

***mrsasctlr.24.5.0-0043_6.19.05.0_NA.bin

24.5.x.x controller firmware is seen in all the UCSM releases prior to 3.2.*

Release notes from 3.1 #

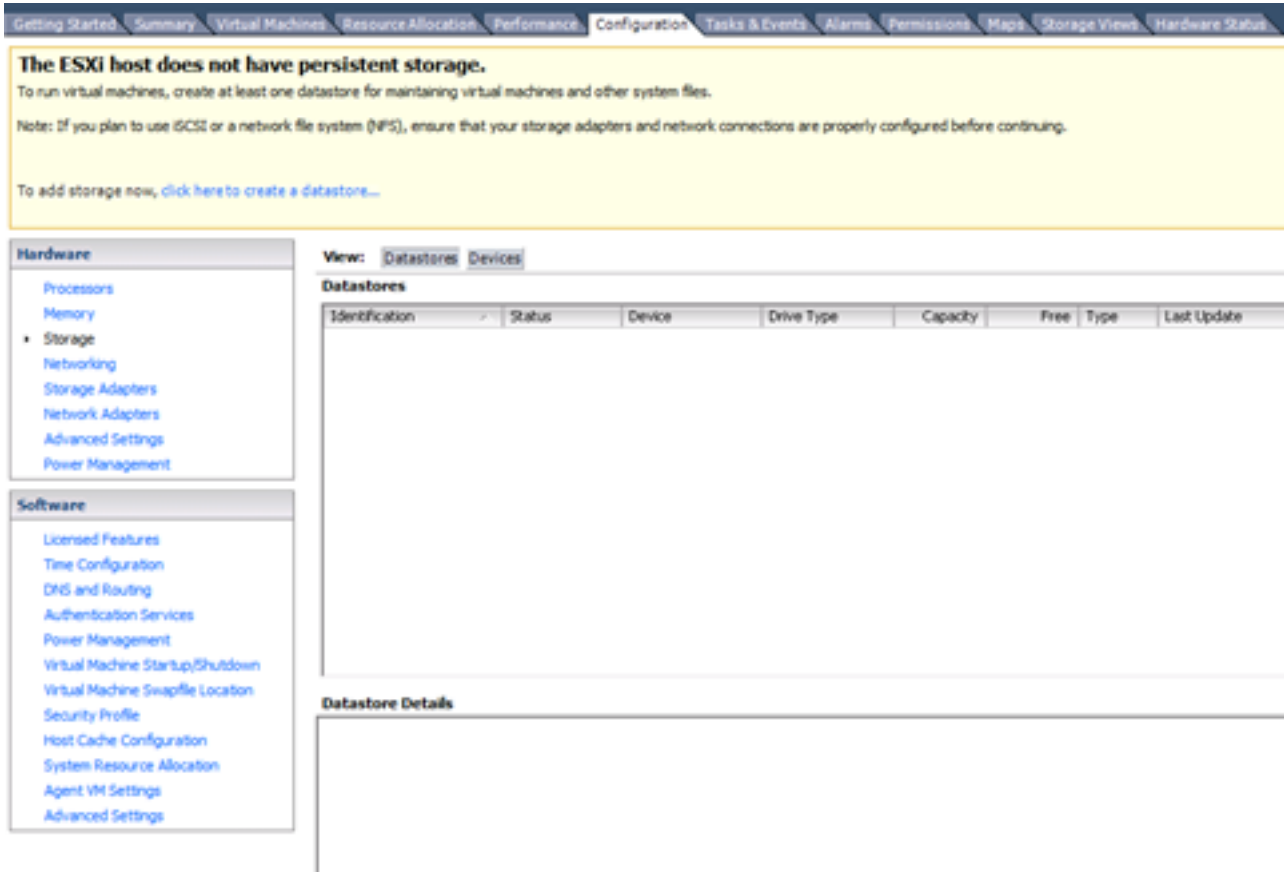
How to recover if the server is hit with this issue?

Detailed steps:

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Procedure to restore datastore
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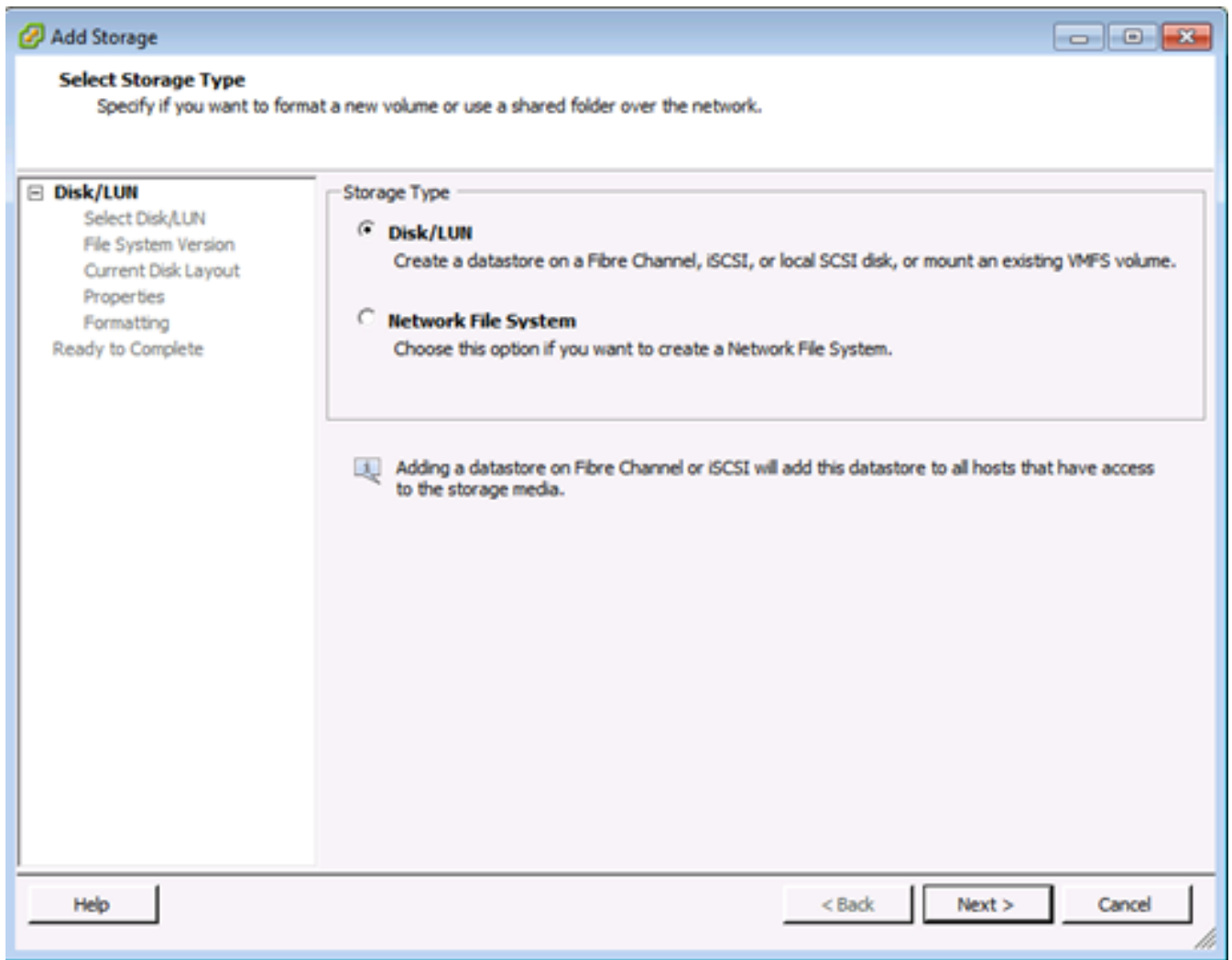
1 Log in to the vSphere Client and select the server from the inventory panel.

2 Click the Configuration tab and click Storage in the Hardware panel.



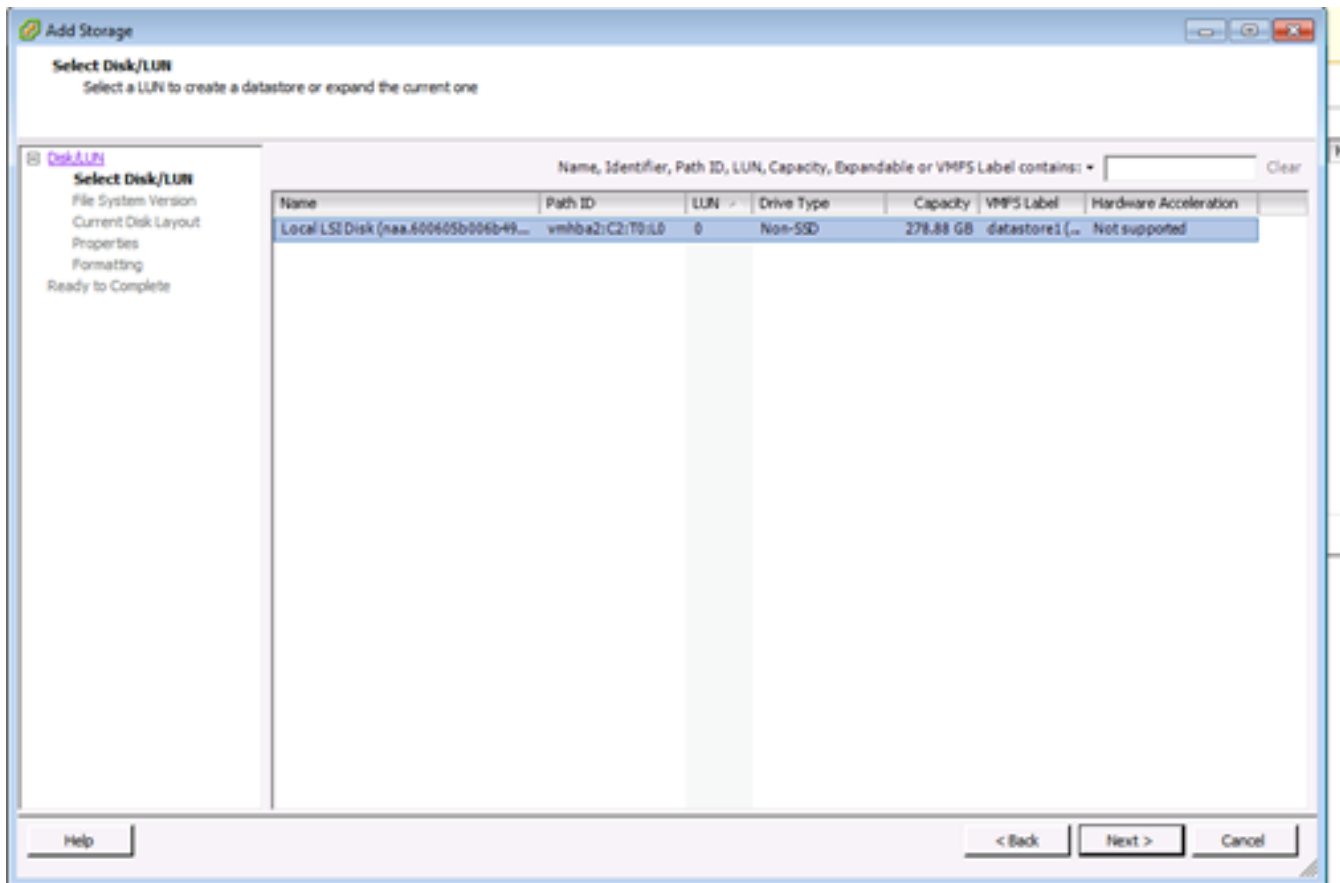
3 Click Add Storage.

4 Select the Disk/LUN storage type and click Next.



5 From the list of LUNs, select the LUN that has a datastore name displayed in the VMFS Label column and click Next.

Note: The name present in the VMFS Label column indicates that the LUN is a copy that contains a copy of an existing VMFS datastore.



6 Under Mount Options, these options are displayed:

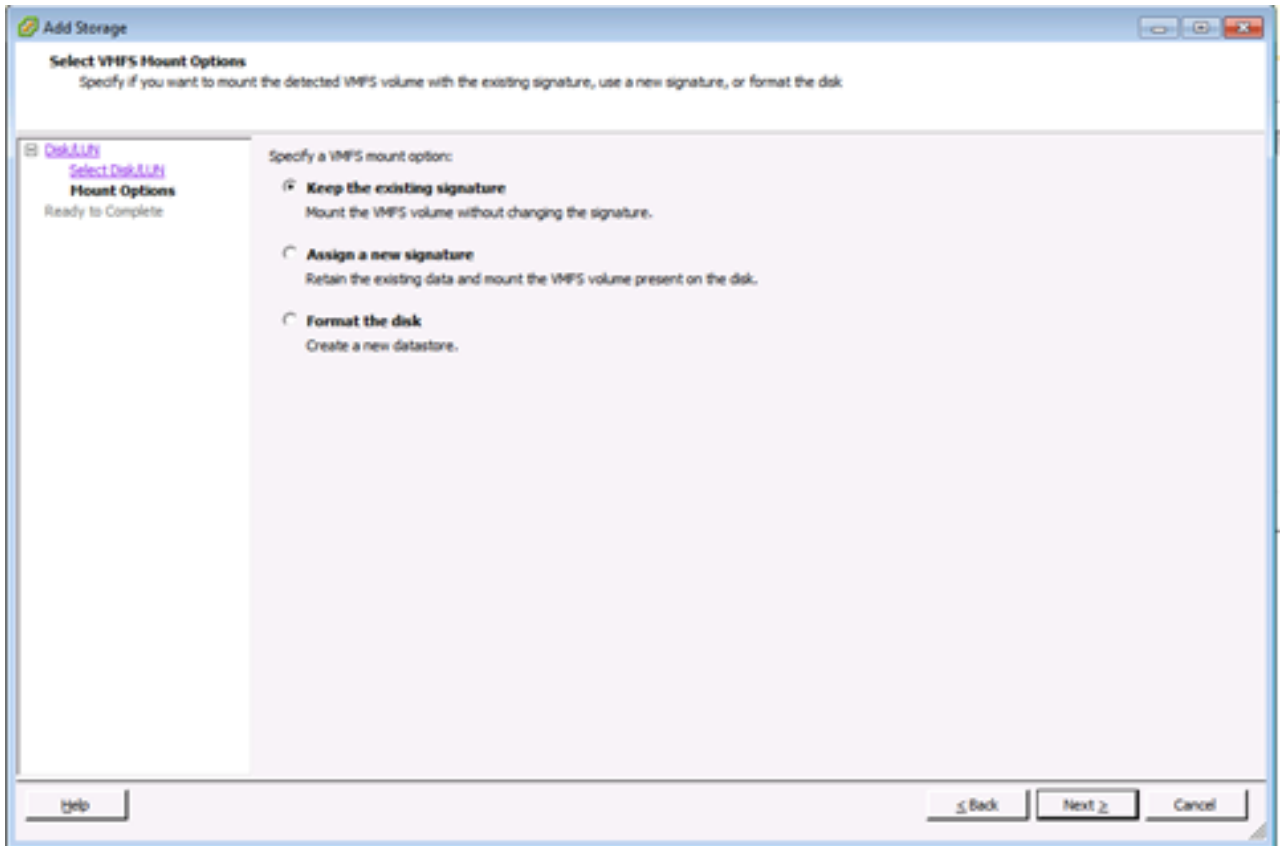
Keep Existing Signature: Persistently mount the LUN (for example, mount LUN across reboots)

Assign a New Signature: Resignature the LUN

Format the disk: Reformat the LUN

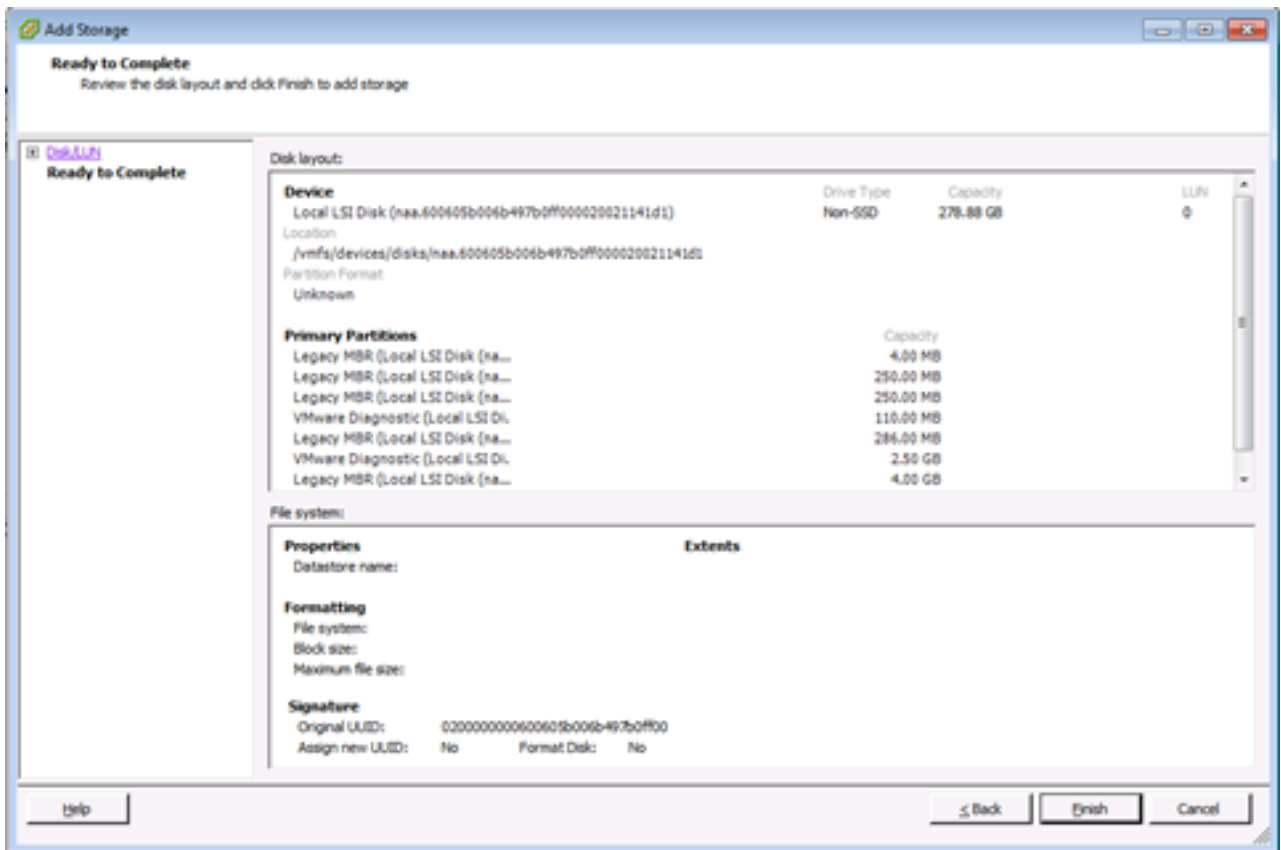
Notes: **Format the disk** option deletes any existing data on the LUN. Before attempting to resignature, ensure that there are no virtual machines running off that VMFS volume on any other host, as those virtual machines become invalid in the vCenter Server inventory and they are to be registered again on their respective hosts.

select **Assign a New Signature** and click **Next**.



7 Select the desired option for your volume

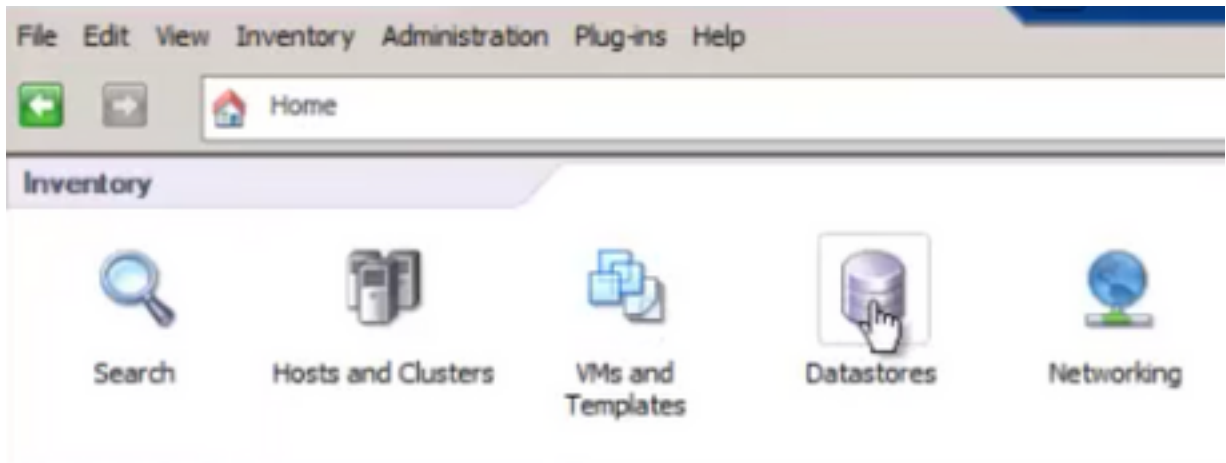
8 In the Ready to Complete page, review the datastore configuration information and click Finish.



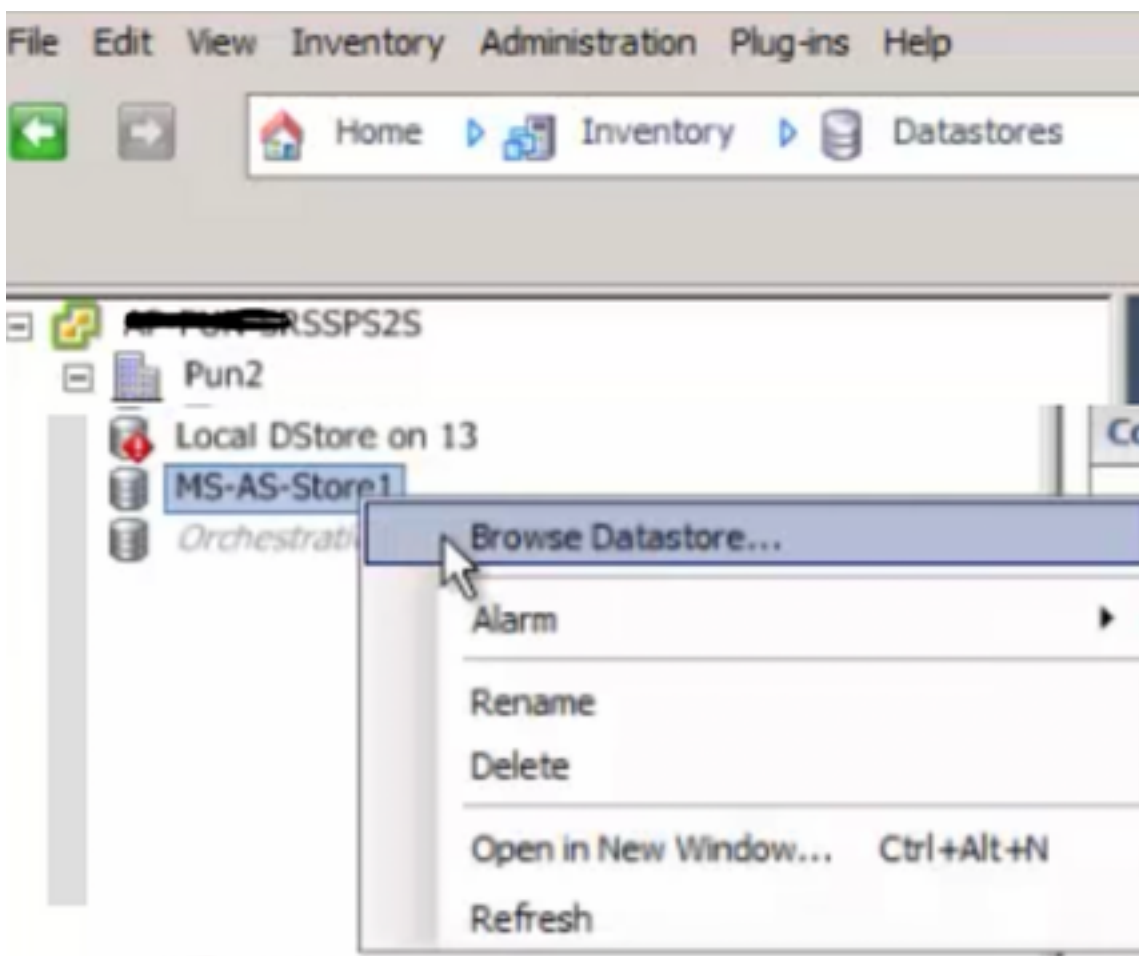
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What to do next

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After resignaturing, you might have to do the following:

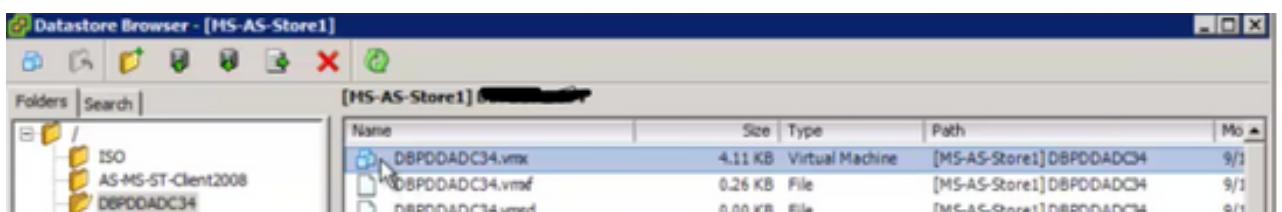
1 Log in to the vSphere Client ,Under Inventory List > Click Datastore



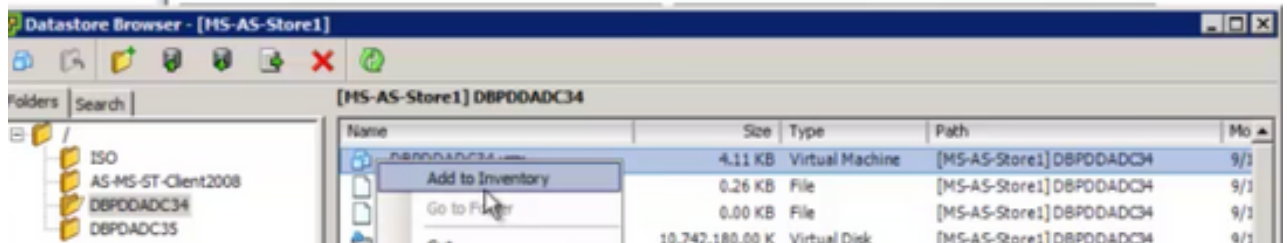
2 Right-click the datastore and click "Browse Datastore "



3 On the left pane, click a VM folder to display the contents on the right pane



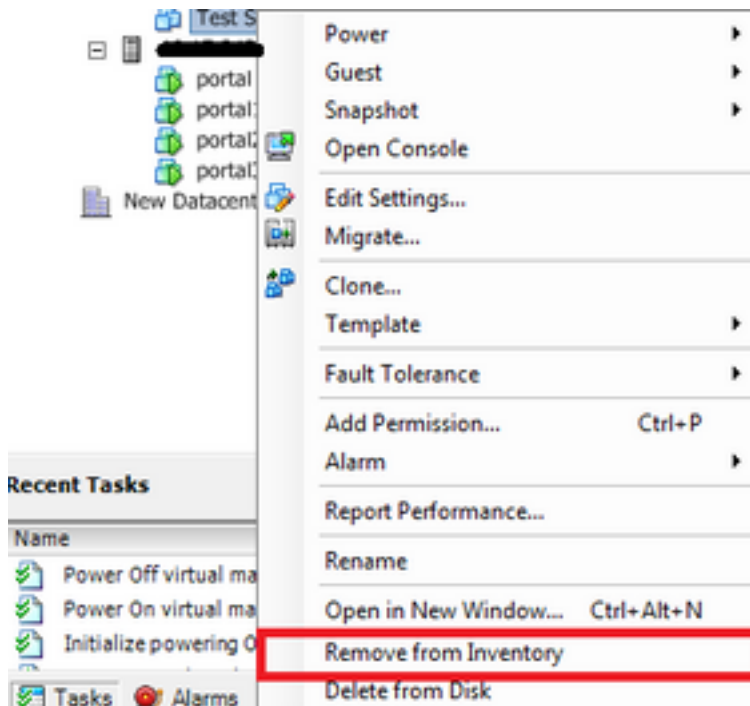
4 On the right pane, right-click the .vmx file and select "Add to Inventory"



5 Walkthrough the "Add to Inventory" wizard to complete adding the VM to the ESXi host

6 Repeat steps for all remaining VMs

7 Once all VMs have been re-registered, remove all Inaccessible VMs from inventory by right-clicking on each one and selecting "Remove from Inventory"



8 Power on each VM and verify it's operational and accessible

Note: Before powering on the VM, reboot the ESXi host and after it's come back online and accessible via vSphere client, confirm VMs are still visible and have not gone to "Inaccessible" state

Related BUG: [CSCvr11972](#)

[CSCvr11972](#) Vendor Unique Identifier changed after replacing MRAID12G

<https://bst.cloudapps.cisco.com/bugsearch/bug/CSCvr11972>