

# Dell Virtual Storage Integrator (VSI) v8.6 – Import certificate-chain.pem Testing.

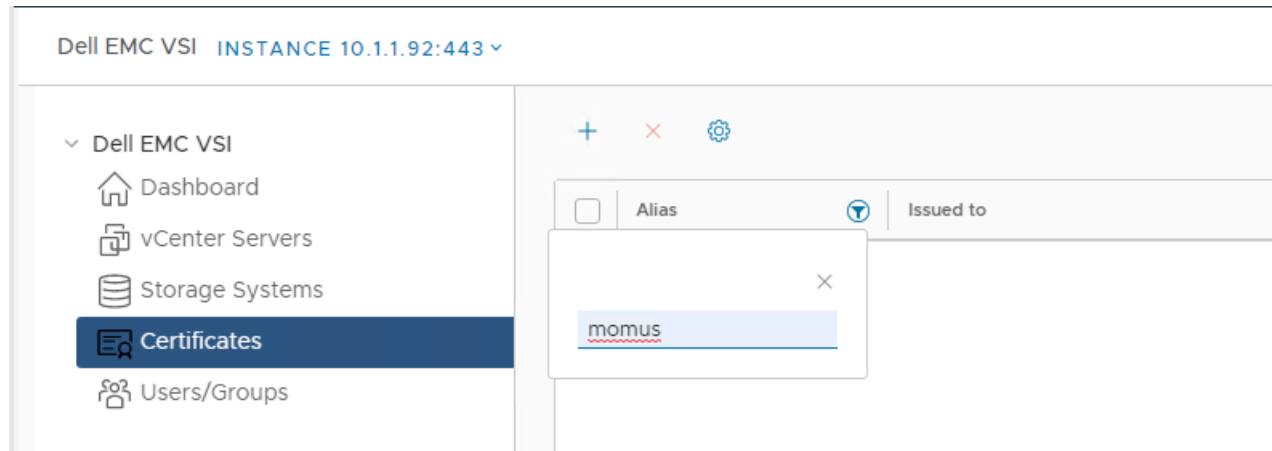
NOTE: This was tested on a fresh deployment of VSI and the target vCenter Server had the previous VSI plugin removed.

The vCenter Server was initially added without attempting to import any certificates or switching on or SSL, to confirm connectivity was OK. Also I could not find a way to set the logging level to DEBUG without first completing the Plugin Management initial setup 'wizard'.

The screenshot shows the vSphere Client interface. The top navigation bar includes the 'vm' logo, 'vSphere Client', a 'Menu' dropdown, a search bar, and user information 'Administrator@VSPHERE.LOCAL'. Below the navigation bar, the breadcrumb path is 'Dell EMC VSI' > 'INSTANCE 10.1.1.92:443'. The left sidebar contains a tree view with 'Dell EMC VSI' expanded, showing 'Dashboard', 'vCenter Servers' (selected), 'Storage Systems', 'Certificates', and 'Users/Groups'. The main content area displays a table of vCenter servers. The table has columns for selection, vCenter Name, Username, IP Address, Plugin Version, Connect Status, and Update/Registration Date. One server is listed: 'mc-vcsa-v-201a.momusconsulting.com' with username 'Administrator@VSPHERE.LOCAL', IP '10.10.1.21', plugin version '8.6.0.2921', and status 'Connected' (with a 'Not Secure' warning).

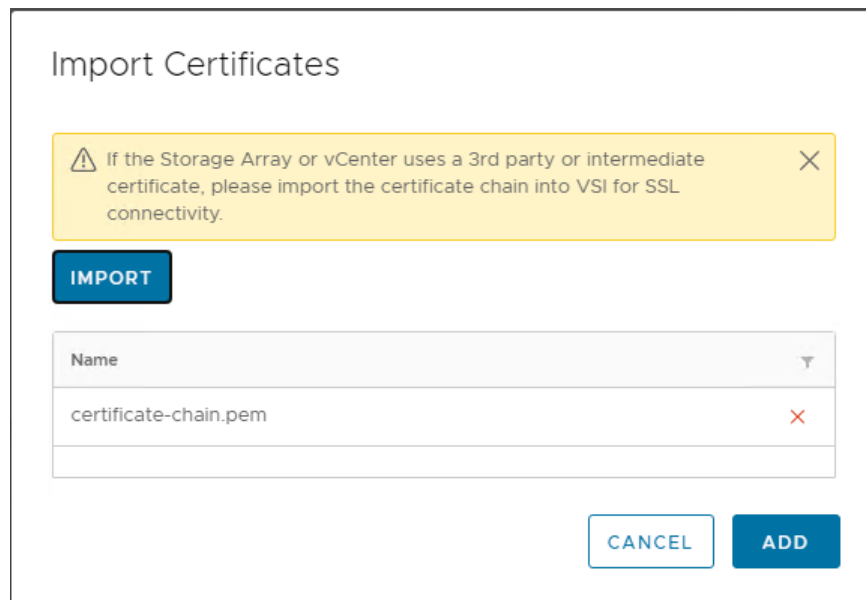
		vCenter Name	Username	IP Address	Plugin Version	Connect Status	Update/Registration Date
<input type="checkbox"/>	>	mc-vcsa-v-201a.momusconsulting.com	Administrator@VSPHERE.LOCAL	10.10.1.21	✓ 8.6.0.2921	Connected Not Secure	3/8/21, 3:10 PM

Confirmed none of my certs are pre-existing.



Importing the certificate-chain.pem

Time for log corelation was 15:28:00 (+/- 1 sec) when Add was pressed.



#### certificate-chain.pem details

1. mc-vcsa-v-201a-machine = Leaf Certificate (Signed by mc-vcsa-v-201a-vmca)
2. mc-vcsa-v-201a-vmca = CA Certificate (Signed by MomusInterCA)
3. MomusInterCA = CA Certificate (Signed by my MomusRootCA)
4. MomusRootCA = CA Certificate (Self Signed)

Import Error, within 1 second of the add attempt.

Note: The certificate that was saved was the leaf certificate. None of the 3 CA certs were saved!

vm

vSphere Client

Menu ▾

🔍

Search in all environments

↺

?

▾

Administrator@VSPHERE.LOCAL ▾

😊

Dell EMC VSI

INSTANCE 10.1.1.92:443 ▾

▾ Dell EMC VSI

🏠 Dashboard

🖨 vCenter Servers

🗄 Storage Systems

📄 Certificates

👤 Users/Groups

❗ {message=Unable to import certificate to the trust store: Alias not found for 2 certificate(s) and 1 certificate(s) found duplicate Status code: 500, Internal Server Error, status=500, reason=Server Error}

✕

+

×

⚙

<input type="checkbox"/>	Alias	Issued to	Issued by	Expires
<input type="checkbox"/>	10.10.1.21_mc-vcsa-v-201a.momusconsulting.com_1	OU=Momus Labs, O=Momus Consulting, L=Basingstoke, ST=Hampshire, C=GB, CN=mc-vcsa-v-201a.momusconsulting.com	CN=mc-vcsa-v-201a-VMCA, OU=Momus Labs, O=Momus Consulting, L=Basingstoke, ST=Hampshire, C=GB	Wed Mar 8 11:33:21 TC 2023