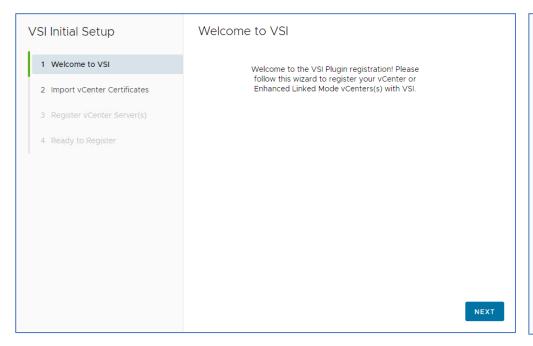
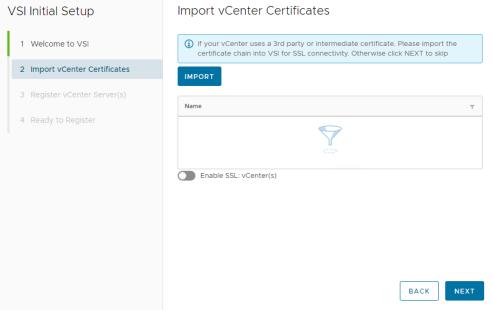
Dell Virtual Storage Integrator (VSI) v8.6 – Import certificates via CLI with keytool.

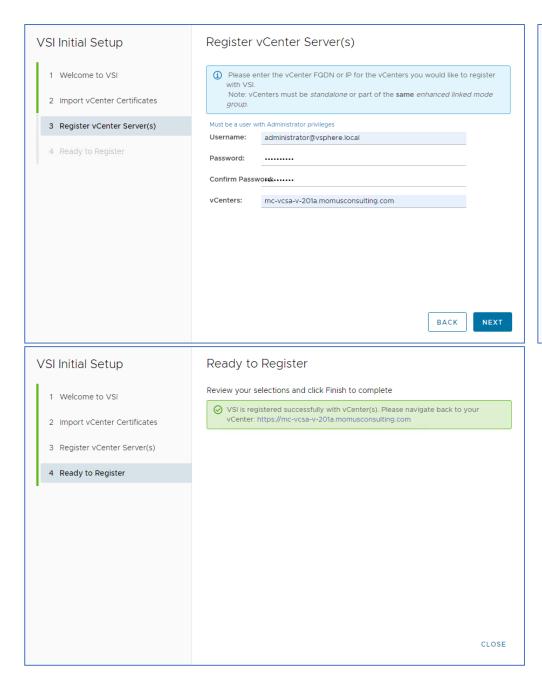
NOTE: This was tested on a fresh deployment of VSI and the target vCenter Server had the previous VSI plugin removed.

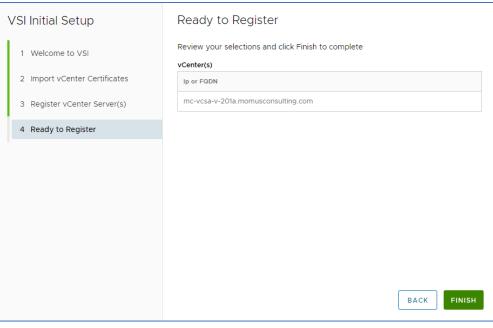
The vCenter Server was initially added via the VSI Initial Setup without importing any certificates or switching on or SSL, to confirm connectivity was OK.

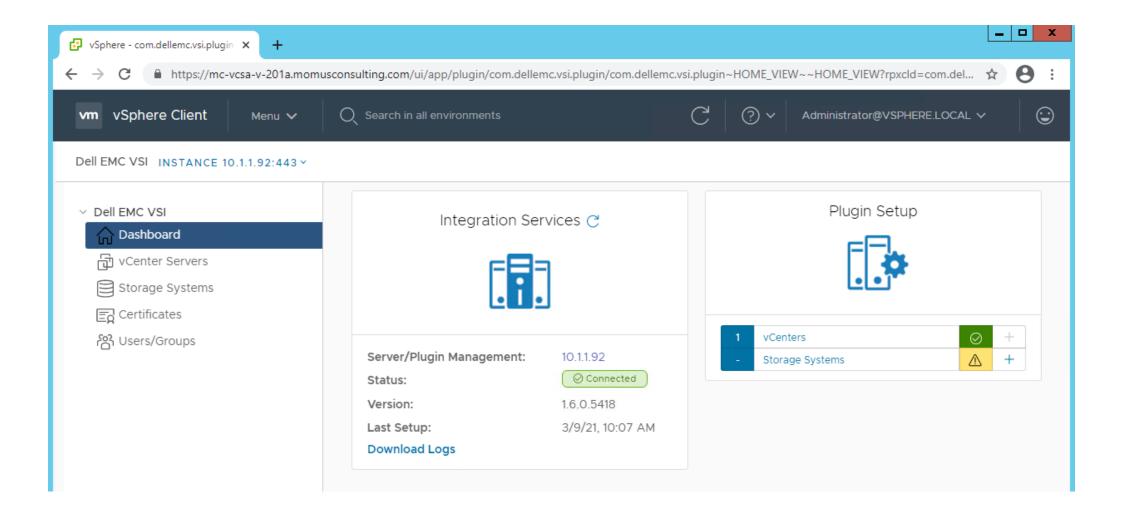
The logging level was set to DEBUG

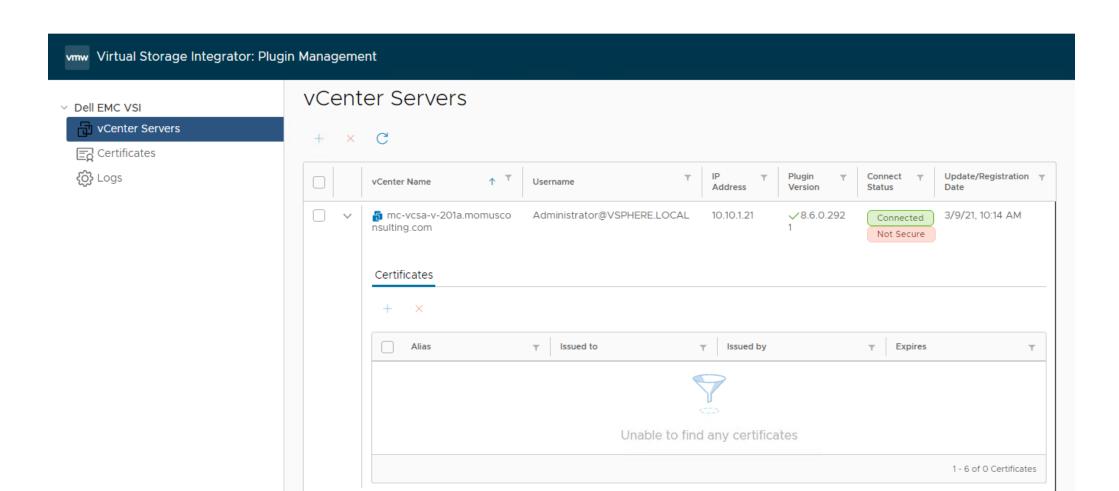




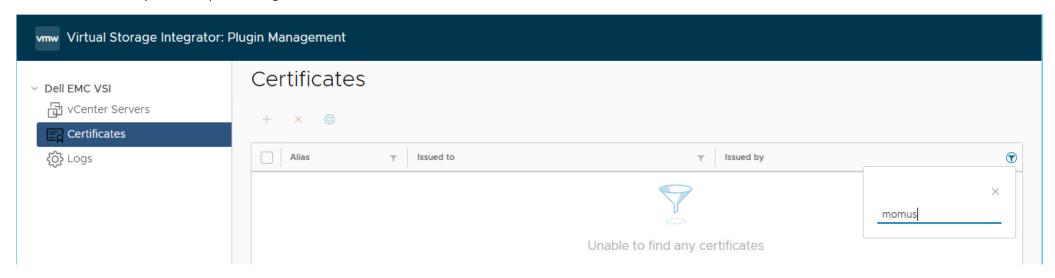






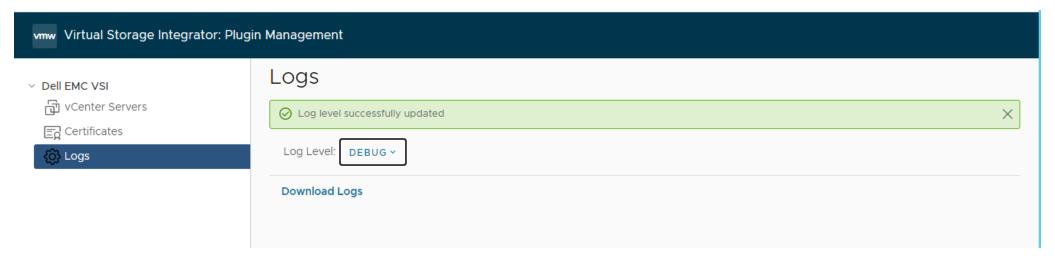


Confirmed none of my certs are pre-existing.



The logging level was set to DEBUG

NOTE: The logging level displayed is reset back to INFO when the page is refreshed. The logs still seem to contain DEBUG detail, so I assume this is UI a bug 😊

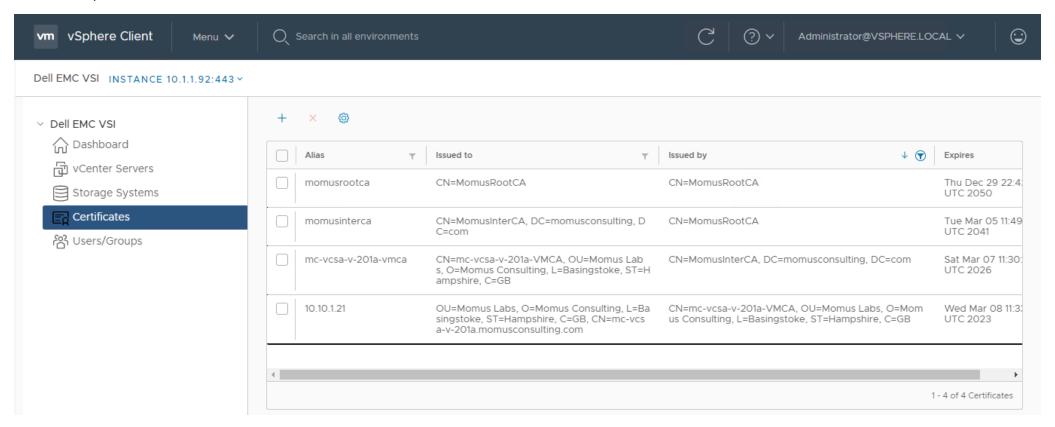


Importing the certificates with Keytool

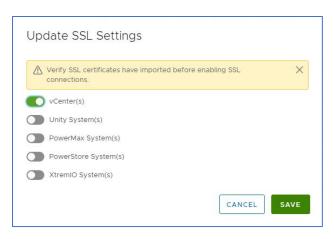
The 4 certificates were placed in /opt/files as .pem files.

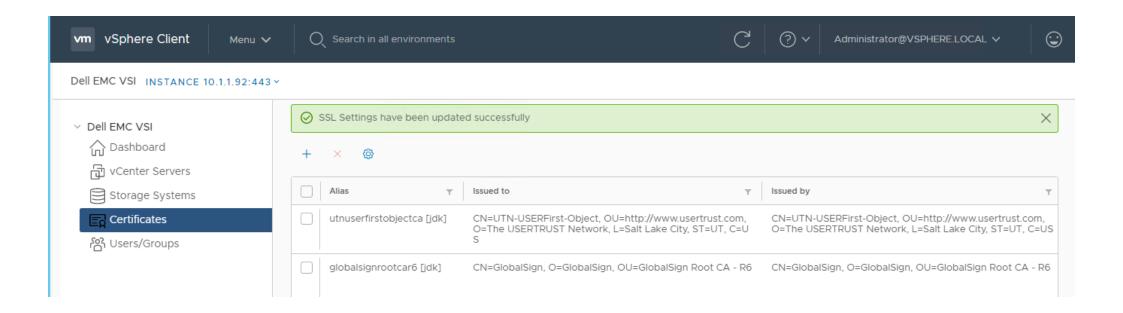
```
root@photon [ ~ ]# docker exec -it iapi bash
bash-4.3# ls -l /opt/files/
total 32
-rw-r--r- 1 root root 2256 Mar 5 12:38 MomusInterCA 05-03-2021.pem
-rw-r--r- 1 root root 1888 Mar 5 12:37 MomusRootCA 05-03-2021.pem
-rw-r--r-- 1 root root 2057 Mar 9 10:07 iapi cert.pem
-rw-r--r-- 1 root root 3272 Mar 9 10:07 iapi key.pem
-rw-r--r- 1 root root 1732 Mar 8 13:00 mc-vcsa-v-201a-machine.pem
-rw-r--r-- 1 root root 2746 Mar 8 11:41 mc-vcsa-v-201a-vmca.pem
drwxr-x--- 2 root root 4096 Jan 20 09:04 vsi-plugin
-rw-r---- 1 root root 918 Jan 20 09:02 vsi-plugin.zip
bash-4.3#
bash-4.3# /opt/java/openjdk/jre/bin/keytool -storepass changeit -import -alias momusrootca -file /opt/files/MomusRootCA 05-03-
2021.pem -keystore ${JAVA HOME}/jre/lib/security/cacerts -noprompt
Certificate was added to keystore
bash-4.3# /opt/java/openjdk/jre/bin/keytool -storepass changeit -import -alias momusinterca -file /opt/files/MomusInterCA 05-
03-2021.pem -keystore ${JAVA HOME}/jre/lib/security/cacerts -noprompt
Certificate was added to keystore
bash-4.3# /opt/java/openjdk/jre/bin/keytool -storepass changeit -import -alias mc-vcsa-v-201a-vmca -file /opt/files/mc-vcsa-v-
201a-vmca.pem -keystore ${JAVA HOME}/jre/lib/security/cacerts -noprompt
Certificate was added to keystore
bash-4.3# /opt/java/openjdk/jre/bin/keytool -storepass changeit -import -alias 10.10.1.21 -file /opt/files/mc-vcsa-v-201a-
machine.pem -keystore ${JAVA HOME}/jre/lib/security/cacerts -noprompt
Certificate was added to keystore
bash-4.3#
bash-4.3# /opt/java/openjdk/jre/bin/keytool -list -storepass changeit -keystore ${JAVA HOME}/jre/lib/security/cacerts | grep
'momus\|mc-\|10.10.1.'
10.10.1.21, Mar 9, 2021, trustedCertEntry,
mc-vcsa-v-201a-vmca, Mar 9, 2021, trustedCertEntry,
momusinterca, Mar 9, 2021, trustedCertEntry,
momusrootca, Mar 9, 2021, trustedCertEntry,
bash-4.3#
bash-4.3# exit.
root@photon [ ~ ]# docker restart iapi
iapi
root@photon [ ~ ]#
```

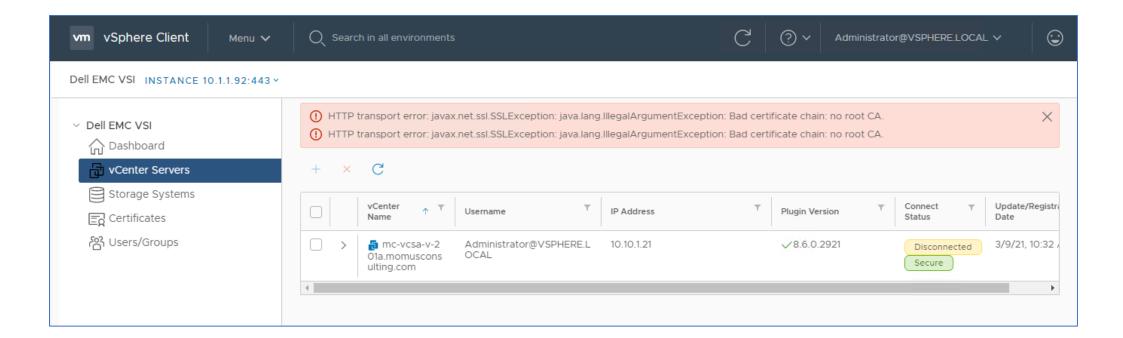
Confirmed my certs are now available.



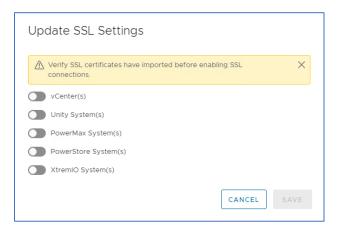
Enabled SSL



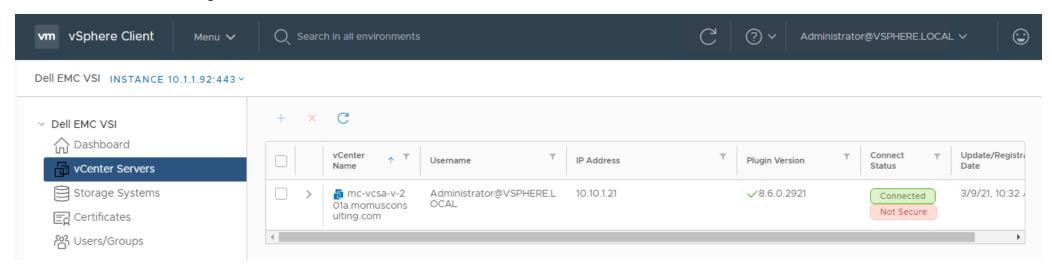




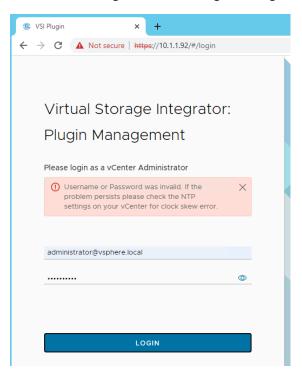
Disabled SSL



Refreshed vCenter Server VSI Page



Now unable to login to the VSI Plugin Management web page



Rebooted the VSI appliance – still unable to login – same error.

iapi-logs were retrieved via SCP.