

Self-IR HA Certificate Related Issues

Last updated by | Veena Pachauri | Mar 8, 2023 at 11:10 PM PST

WCF HA Certificate Related Issues

Friday, April 24, 2020

1:12 PM

- **Issue 1:**

Customer tried to enable TLS/SSL certificate(Advanced) from SHIR Configuration Manager -> Remote access from intranet.

After selecting TLS/SSL certificate, error shows up:

[Remote access settings is invalid.](#)

[Identity check failed for outgoing message. The expected DNS identity of the remote endpoint was 'ddb001.liteon.com' but the remote endpoint provided DNS claim 'liteon.com'. If this is a legitimate remote endpoint, you can fix the problem by explicitly specifying DNS identity 'liteon.com' as the Identity property of EndpointAddress when creating channel proxy.](#)

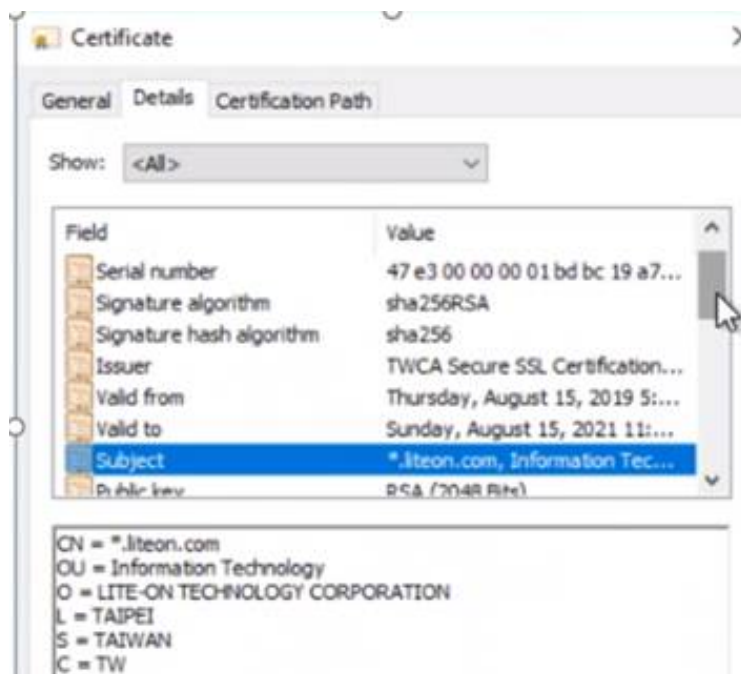
We already have an TSG for this type of issue: "200113 - Identity check failed for outgoing message. The expected DNS identity of the remote endpoint was". I'd like to add some details here.

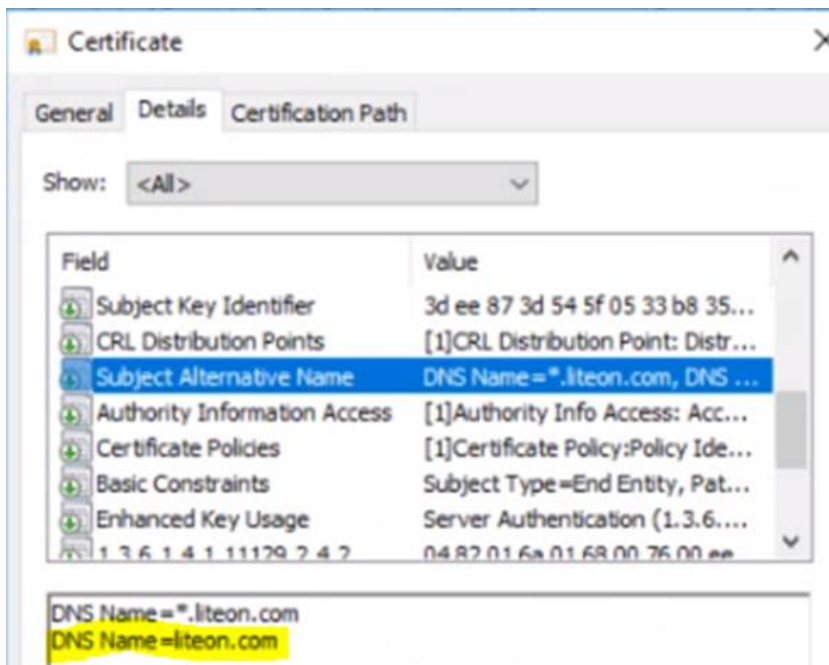
In this case scenario, customer is using wildcard Cert (*.liteon.com) because their organization has multiple sites.

>> **Cause:** known issue in WCF: WCF TLS/SSL validate only check last DNSName in SAN.

>> **Resolution:** Wildcard Cert is supported in ADF v2 SHIR. This issue is normally due to SSL cert is not correct. The last DNSName in SAN should be valid.

How to verify: Open Management Console, double check both Subject and Subject Alternative Name from Certificate Details. In this case for example, the last item in Subject Alternative Name is not legitimate, which is DNS Name=liteon.com. Next ask customer to contact cert issue company to remove this wrong DNS Name.





- **Issue 2:**

When selecting default Data Management Gateway SSL certificate in SHIR Remote access from intranet, got the following error:

Remote access settings is invalid.

The X.509 certificate CN=DDB001.liteon.com chain building failed. The certificate that was used has a trust chain that cannot be verified. Replace the certificate or change the certificateValidationMode. A certificate chain processed, but terminated in a root certificate which is not trusted by the trust provider.

>> **Cause:** As the error message suggests, this CA root certificate is not in the Trusted Root Certification Authorities store.

>> **Resolution:** Install the cert in Local Machine -> Trusted Root Certification Authorities store.

Step 1: Click on this certificate and Install it.

Step 2: Select "Local Machine", and "Place all certificates in the Trusted Root Certification Authorities". If you cannot find "Local Machine" perform Step 3. Otherwise, go to Step 4.

← Certificate Import Wizard

Welcome to the Certificate Import Wizard

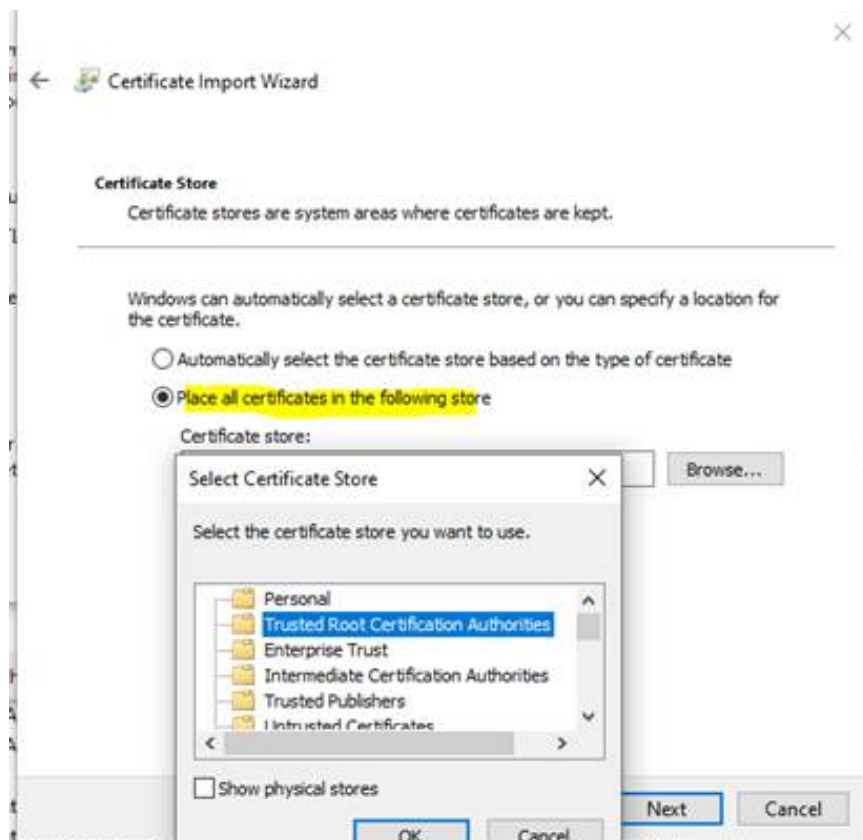
This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store.

A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.

Store Location

☐ Current User

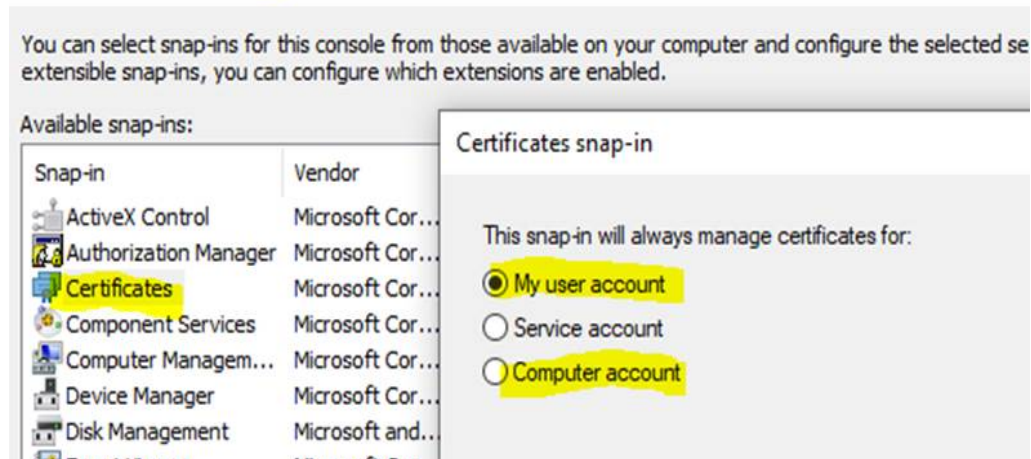
☒ Local Machine



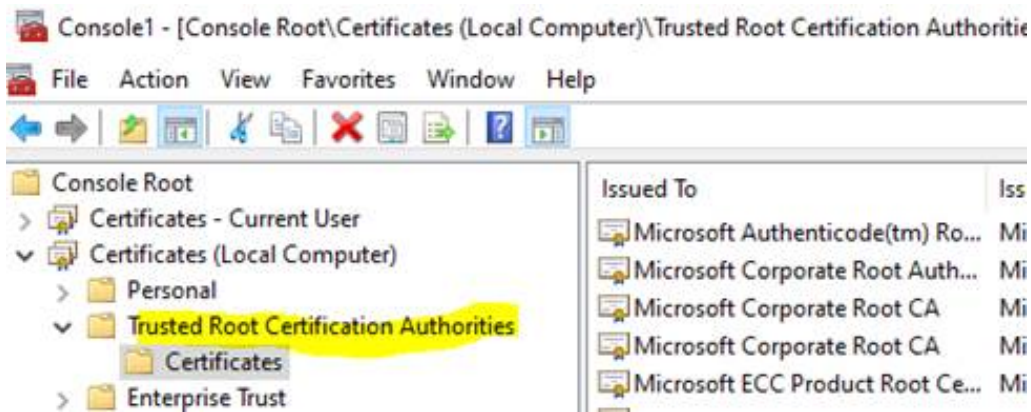
Step 3: a. Instead, install the certificate in "Current User".

b. Run "mmc" to open Management Console, add "My user account" and "Computer account" -> Local computer Snap-ins. Then copy the certificate from "Current User" to "Local Computer" -> Trusted Root Certification Authorities.

Add or Remove Snap-ins

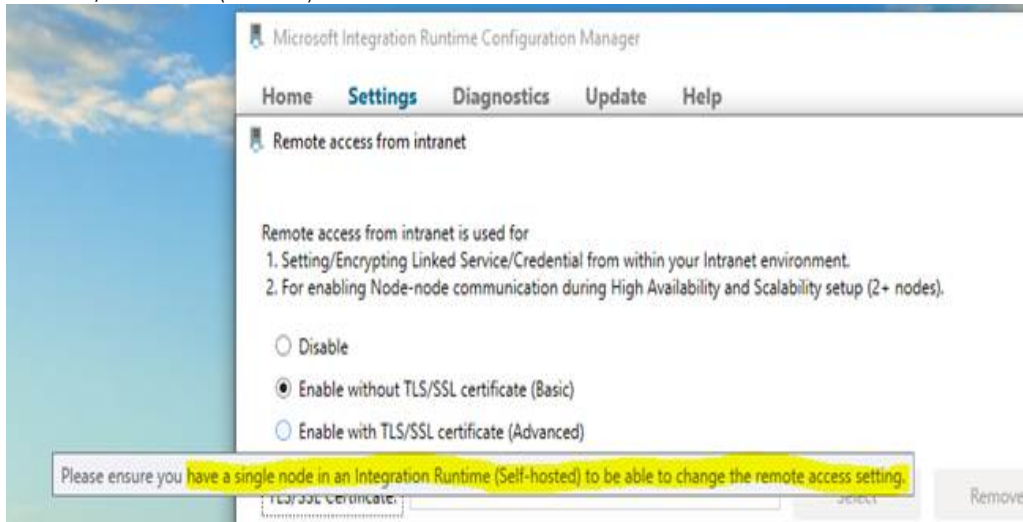


Step 4: Verify the certificate exists in the target store.



• **Issue 3:**

SHIR HA mode: after VM nodes' SHIR installations are finished, unable to change Remote access from intranet option to enable TLS/SSL certificate(Advanced) .

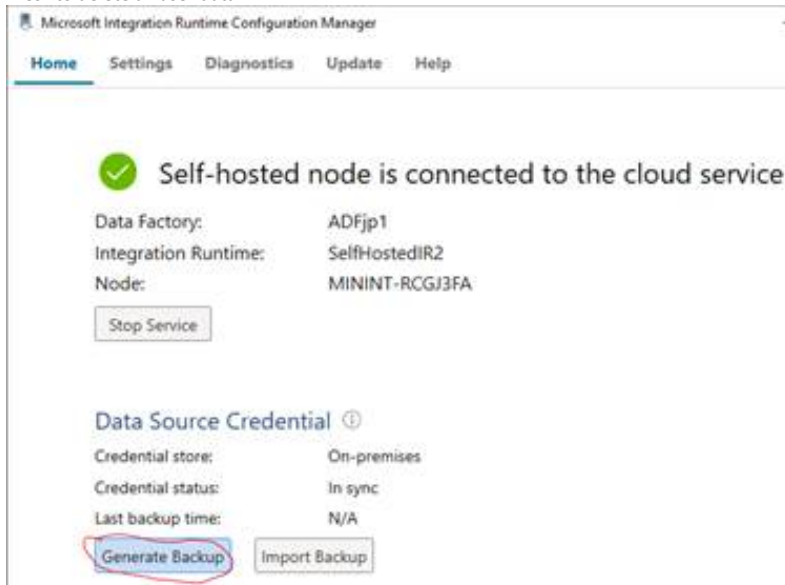


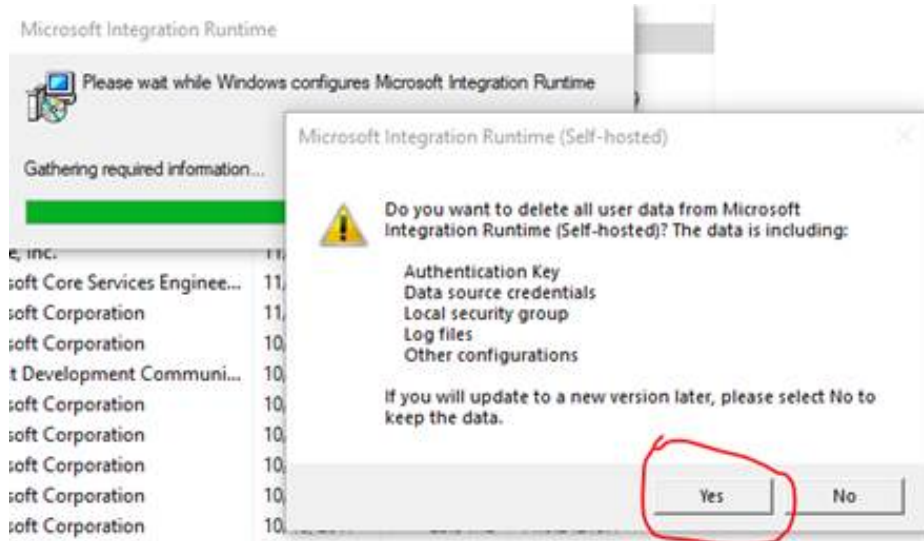
>> **Cause:** This is by design. Ensure you have a single node in an SHIR to be able to change the remote access settings.

>> **Resolution:** Re-installation and re-register SHIR nodes is needed.

Step 1. Remove other nodes from ADF Portal -> SHIR settings and leave only one node.

Step 2. Uninstall SHIR from these VM nodes. Noted: Generate Data Source Credential Backup before uninstallation. Select "Yes" to delete all user data.





Step 3. Go the remaining node, restart SHIR service. Now it should be able to set Remote access from intranet -> enable TLS/SSL certificate(Advanced).

Step 4. Install and register SHIR in other VM nodes, and configure Remote access from intranet during this installation.

Step 5. After these settings are completed, customer will be able to update their certificate from SHIR Configuration Manager.

Created with Microsoft OneNote 2016.

How good have you found this content?

