HTTPS for AXIS
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1 HTTPS for AXIS

Task 1: Configuring Axis Camera for HTTPS

Important: Depending on your Axis camera step 1 may vary. Always consult your Axis device documentation.

1. On your AXIS Camera Web interface, click Setup > System Options > Security > HTTPS.
   You will see a message similar to the following. Read it carefully and follow the instructions.
   HTTPS Settings
   To enable HTTPS, create either a self-signed certificate, or create a request for a certificate from a Certificate Authority (CA).

   Although a self-signed certificate is useful for initially testing HTTPS, true security will only be implemented after the installation of a signed certificate issued by a certificate authority. The HTTPS Connection Policy must also be set to enable HTTPS on this server.

2. A self-signed certificate is not a trusted certificated. To create a self-signed certificate on your AXIS camera:

   Step 1: Since Symphony services are run under a separate user account (usually Local System account) you need to trust the self-signed certificate under that account.
   a. Download and install PsExec from Microsoft.
   b. Determine what user account Symphony services are running under. See Log on as under the Log On tab under Service Properties.
      • If service is configured to log on as Local System account then at command line run psexec.exe -i -s "C:\program files\internet explorer\iexplore.exe"
      Or:
      • If service is configured for a user account other than Local System account then at command line run runas.exe /u:<username> "C:\program files\internet explorer\iexplore.exe"

   NOTE: On Windows® 64, the path to Internet Explorer may be "C:\Program Files (x86)\Internet Explorer\iexplore.exe"

   Step 2: Install the self-signed certificate through Internet Explorer:
   a. In Internet Explorer that you started with the psexec.exe tool, navigate to the camera Web interface by entering http://<camera ip> in the address bar.
   b. In the side bar of the camera Web interface, expand System Options > Security > HTTPS.
   c. In the HTTPS Connection Policy section, set the Administrator, Operator, and Viewer fields to use HTTPS.
Step 2: Adding the Camera in Symphony Client

2. From the Server menu, select Configuration. The Configuration dialog box appears with Devices displayed in the right pane.

3. In the right pane, click New to open the Network tab.
4. In the URL field, enter the IP address of the camera.
5. From the Manufacturer list, select AXIS.
6. Click Connect to Camera.
7. Click OK.

Task 3: Disabling Peer Verification in Symphony Client

If you selected self-signed certificate on the AXIS camera setup, then you must disable peer verification in Symphony Client.

1. In Symphony Client, from the Server menu, select Manual Configuration Editor.
2. Expand Type: Camera.
3. For each camera that is HTTPS, find the camera ID in the list.
4. Under the Key column, find dev_options.
5. In the Value field of that row, append VerifyPeer=0; (at the end of the field).
6. Click OK.
7. Restart AI InfoService to ensure that the setting is loaded.

Task 4: Restart AI Tracker Services

Video should now be available over HTTPS.