



# SSL/TLS Certificate implementation for new integrations installs

### Overview

For an API integration to function and have a secure connection, when installing an integration, you will need to install a self-signed TLS certificate. This should be installed on the server and client machine.



# Enabling the API connection

Please note: On all Net2 versions from Net2 6.6 v6 the API service will need to be enabled.

- 1. Open the configuration utility.
- 2. Click on security tab.
- 3. Tick 'Enable LocalAPI'.

The services will now restart and connection to the API is enabled.

Net2 Server Configuration Utility     Secure Mode     Secure Mode     Secure Mode     Secure Mode     Secure Mode will limit communications to the Net2 Server ONLY! Remote connections from client applications will not be authorised.	
Enable Local API service. This is used for Net2 Integrations Launch Local API Config Utility	
OK Cancel Apply	

# Installing the self-signed TLS certificate

Paxton have provided two options for the certificate install. To view these options, navigate to: <u>https://localhost:8080/setup.html</u>

#### Note: The API connection must be enabled before accessing this URL

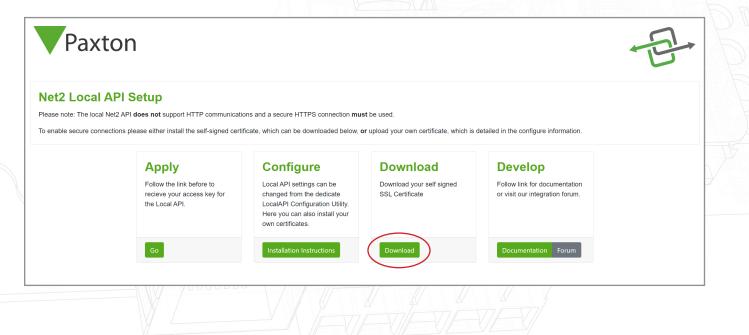
You will now see the following webpage displayed.

Paxt	on				E -
Net2 Local A Please note: The local Ne	PI Setup et2 API does not support HTTP communicati	ons and a secure HTTPS connection <b>mu</b> s	it be used.		
To enable secure connec	tions please either install the self-signed certi	ificate, which can be downloaded below, c	r upload your own certificate, which is	detailed in the configure information.	
	Apply Follow the link before to recieve your access key for the Local API.	<b>Configure</b> Local API settings can be changed from the dedicate LocalAPI Configuration Utility. Here you can also install your own certificates.	Download Download your self signed SSL Certificate	Develop Follow link for documentation or visit our integration forum.	
	Go	Installation Instructions	Download	Documentation Forum	

## Option 1: Use Paxton 365-day self-signed certificate

This certificate will only be valide for 365 days. You will be prompted in the Net2 software to renew your certificate 30 days before expiry. You will need to do this process again if Net2 is updated.

1. Click on **'Download'**.



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- 2. The certificate will automatically install in the downloads folder.
- Navigate to downloads folder.
   Right click on the certificate.
   Click 'Install certificate'.

		31/07/2023 10:14	Security Certificate	3 KB
Open		31/07/2023 09:57	Security Certificate	3 KB
Install Certificate		31/07/2023 09:44	Compressed (zipped)	750,218 KE
Share with Skype		31/07/2023 08:14	Application	130,942 KE
<ul> <li>Move to OneDrive</li> </ul>		31/07/2023 08:14	Compressed (zipped)	9 KE
Scan with Microsoft Defender		31/07/2023 08:12	Application	545 KE
Scan		31/07/2023 08:12	Application	545 KB
😨 Shred		31/07/2023 10:07	File folder	
		31/07/2023 09:53	File folder	
Open with		31/07/2023 09:52	File folder	
Give access to	>	21/07/2023 11:38	GZ File	9,661 KE
Restore previous versions		20/07/2023 13:42	LIC File	1 KE
Send to	>	20/07/2023 13:39	Application	545 KE
Cut		20/07/2023 10:47	Windows Batch File	1 KE
Сору		20/07/2023 10:32	Compressed (zipped)	720,894 KE

- 6. Choose the options that you want within the installer.7. Once the options have been chosen, click 'Finish'.

← 😺 Certificate Import Wizard	×
Completing the Certificate Import Wizard	
The certificate will be imported after you click Finish.	
You have specified the following settings: Certificate Store Selected Automatically determined by the wizard Content Certificate	
Finish Ca	ncel
	Completing the Certificate Import Wizard The certificate will be imported after you click Finish. You have specified the following settings: Certificate Store Selected Automatically determined by the wizard Content Certificate

- 8. Certificate will install and import wizard will state, 'The import was successful'.
- 9. Click **'Ok'**.



Option 2: Import your own certificate

This expiry date of this certificate will be set by the certificate issuer. You will be prompted in the Net2 software to renew your certificate 30 days before expiry. You will not be required to update this certificate when updating to the next version of Net2.

- 1. Create your own certificate using a TLS certificate provider. As part of the package, you should receive a certificate and key.
- 2. Ensure you are on Net2 6.7 SR1 (or above).
- 3. Search and open the Net2 configuration utility.
- 4. Navigate to 'Security' tab.

Net2 Server Configuration Utility     General   Database   Wiegand   TCP/IP Nodes   Net2Air Bridges   HTML Reports   Email   Shts Security   Diagnostics   Printer Options       General   Database   Wiegand   TCP/IP Nodes   Net2Air Bridges   HTML Reports   Email   Shts Security   Diagnostics   Printer Options       General   Database   Wiegand   TCP/IP Nodes   Net2Air Bridges   HTML Reports   Email   Shts Security   Diagnostics   Printer Options	
Secure Mode will limit communications to the Net2 Server ONLYI Remote connections from client applications will not be authorised. Net2Online functionality will remain unchanged.  Enable Local API Enable the local API service. This is used for Net2 Integrations Launch Local API Config Utility	
OK Cancel Apply	

# Net2 APN-1206

5. Click 'Launch Local API Config Utility'.

	General Database Wiegand TCP/IP Nodes Net2Air Bridges HTML Reports Email SMS Security Diagnostics Printer Options	
<u></u>	Secure Mode will limit communications to the Net2 Server ONLY! Remote connections from client applications will not be authorised. Net2Online functionality will remain unchanged.	
	Enable Local API service. This is used for Net2 Integrations Launch Local API Config Utility	
	OK Cancel Apply	
6. The Local API	Config Utility will launch.	
The Local API sta	tus should state <b>'Running</b> '.	

Net2 Local API Configuration Utility		



As the system does not have an integration running, there will be no licences under the licence importer tab. Please contact your integration partner for an API licence.

7. Navigate to **'Certificate Import'** tab.

Note: Licence importer will show the existing licences for any integration that is running on the machine.

	Local API Status Running			
	Service Controller Licence Install Certificate	Import		
-	Certificate Import			
	Current Certificate			
ic	Net2LocalAPI.crt			
	Current Key			
	Net2LocalAPI.key			
	New Certificate			
			Browse	
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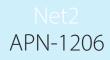
9. Locate the certificate and click 'Open'.

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11. Locate the key and click **'Open'**.

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The current certificate and current key will be updated.

#### The implementation is now complete.

Note: If the service status changes to 'Stopped' following the import of your certificate and key, check the Nginx error log located at:

C:\Program Files (x86)\Paxton Access\Access Control\nginx\logs.

Within the logs you will be able to view where the error is.

	Net2 Local API Configuration Utility	- 🗆 X	
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	Regenerate Import	Restore	
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