



# 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.

General Database Wiegand TCP/IP Nodes Net2Air Bridges HTML Reports Email Suf Security Diagnostics Printer Options	
Enable the 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.

Paxto	on				
Net2 Local AF	PI Setup 2 API does not support HTTP communicati	ons and a secure HTTPS connection <b>mus</b>	st be used.		
To enable secure connection	ons please either install the self-signed certi	ficate, which can be downloaded below, <b>o</b>	or 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 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'**.





- 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 KI
Open	-	31/07/2023 09:57	Security Certificate	3 KE
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 KI
Scan		31/07/2023 08:12	Application	545 K
Shred		31/07/2023 10:07	File folder	
A		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 K
Restore previous versions		20/07/2023 13:42	LIC File	1 Ki
Send to	>	20/07/2023 13:39	Application	545 K
Cut		20/07/2023 10:47	Windows Batch File	1 K
Сору		20/07/2023 10:32	Compressed (zipped)	720,894 Ki

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

←	×
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 Can	cel

- 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.

General Database Wiegand TCP/IP Nodes Net2Air Bridges HTML Reports Email Strip Security Diagnostics Printer Options  Secure Mode  Secure Mode will limit communications to the Net2 Server ONLY1 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-AE

5. Click 'Launch Local API Config Utility'.

	Secure Mode will limit communications to the Net2 S Net2Online functionality will remain unchanged.	erver ONLYI Remote connections fror	n client applications will not be authorised.	
	Enable Local API Enable the local API service. This is used for Net2 In	itegrations Launch Local API Config Utility		
_			OK Cancel Apply	
6. The Local API C The Local API statu	Config Utility will launch. s should state <b>'Running</b> '.			

▼ Net2 Local API Configuration Utility —		
VI Local APL Status		
Service Controller Licence Install Certificate Import	5/4	
Service Controller		
Start Service		
Stop Service	$\square$	
	ОК	



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.

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Service	Controller Licence	e Install Certificate Imp	ort		
Certi	ficate Import				
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ic Net2	2LocalAPI.crt				
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-					
			OK	<b>(</b>	

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	Service Controller Licence Install Certificate Import	
	Certificate Import	
i	c Net2LocalAPI.crt	
	Current Key Net2LocalAPI.key	
	New Certificate	
	New Key	
	Hegenerate import Hestore	
	OK	
	Un	



9. Locate the certificate and click 'Open'.

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Click 'Browse' for N	ew Key.					
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	5					
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11. Locate the key and click **'Open'**.

→ ↑ ↑ → This PC → Documents	<ul> <li>TLS Certificate</li> </ul>		~	Q	Search TLS (	Certificate		ρ
ganise 🔻 New folder								?
^ Name	^	Date modified	Туре	Size				
Quick access     IntegriSys.key	,	21/07/2023 13:18	KEY File		4 KB			
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Downloads      A								
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3D Objects								
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Now click <b>'Import</b> '								
	Vet2 Local API Configura	ation Utility —						
	Local API Status							
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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 –	
Local API Status         Stopped         Service Controller Licence Install Cettificate Import         Cettificate Import         Current Cettificate         Integrisys.ot         Current Key         Unknown key         New Cettificate         C:\Users\Documents\API TLS\IntegriSys.ot         New Key         C:\Users\Documents\API TLS\Unknown key         Browse         Regenerate       Import         Restore	
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