

## Technical Note – PDEG Reconfiguration for *Store Flex*

### Audience

Dynalite certified installers

### Scenario

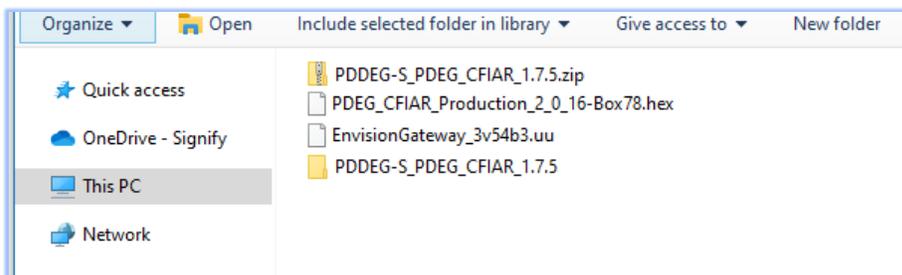
PDEG is a production unit and not yet configured for Store Flex

### Preparation

Place the [**EnvisionGateway\_3v54b3.uu**] firmware to a temporary folder on the computer's local drive. USB and network drives should not be used.

Place the [**PDEG\_CFIAR\_Production\_2\_0\_16-Box78.hex**] product image in the same folder

Unzip the [**PDDEG-S\_PDEG\_CFIAR\_1.7.5.zip**] pages to a different temp folder, example:



On the bench, and isolated from the rest of the system:

- Connect the PC node and Ethernet cable directly to the PDEG.
- Provide 12 VDC to power the PDEG (refer to the PDEG Installation Instructions).
- Close any SB projects and start a fresh session.

## Prepare the PDEG

Upload and factory set the PDEG in case it had been previously used and set the IP address to:

**192.168.1.50**

Change the box number to:

**78**

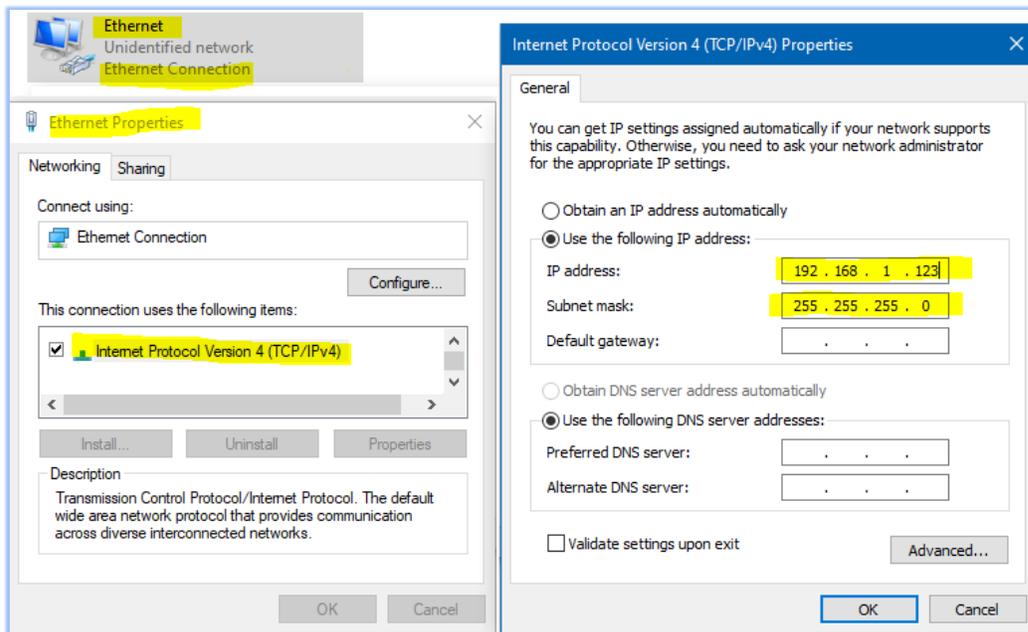
Close the SB session without saving.

## Set up a direct Ethernet connection

Open your PC's Ethernet IPv4 port settings (type **NCPA.CPL** in the Windows start menu search box) and take note of the settings. Configure them to the same subnet as the PDEG and set it to a unique address, and appropriate subnet mask.

Example:

**192.168.1.123**



To confirm the Ethernet connection to the PDEG is working, type **CMD** in the Windows start menu search box and in the new Command Prompt window type:

**ping 192.168.1.50**

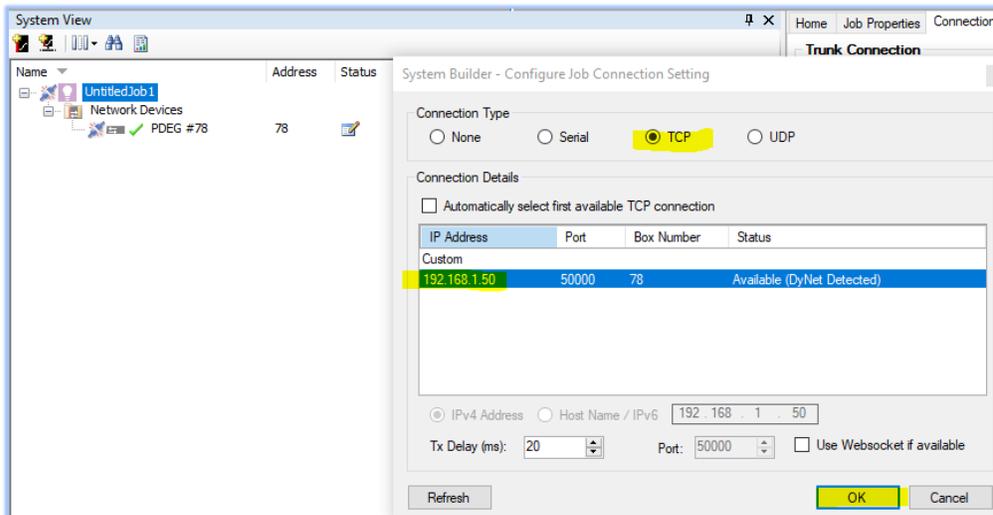
In the results you should see lines starting with **Reply from 192.168.1.50: bytes** or similar showing that connection is ok.

```
C:\Users\000>ping 192.168.1.50  
Pinging 192.168.1.50 with 32 bytes of data:  
Reply from 192.168.1.50: bytes=32 time=1ms TTL=64  
Reply from 192.168.1.50: bytes=32 time=1ms TTL=64
```

### Apply the configuration

Start a new SB session and drag the file [PDEG\_CFIAR\_Production\_2\_0\_16-Box78.hex] into the project or use the file/import from hex file option to browse to it.

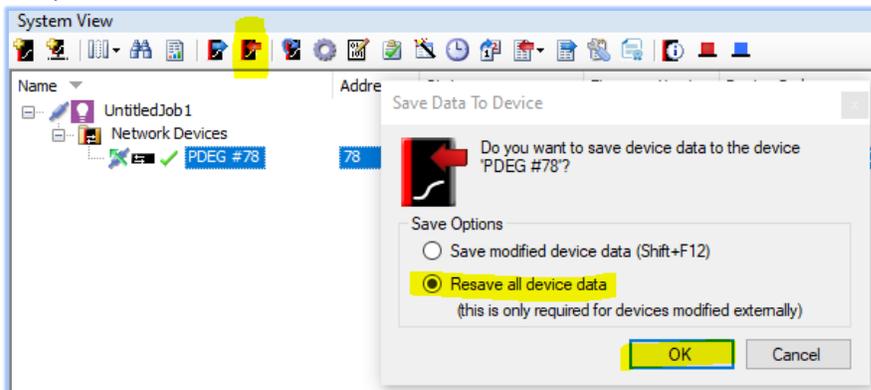
Change SB's connection to TCP/IPv4



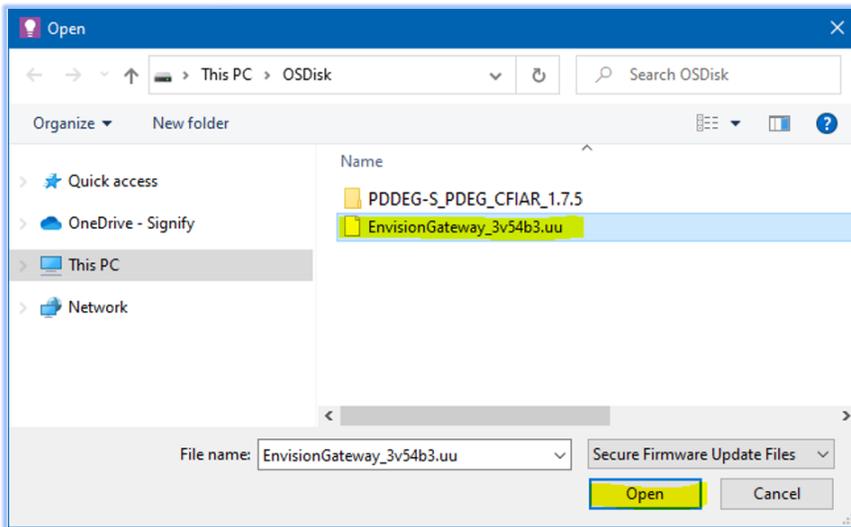
Confirm the connection in the status bar is ok:

Connected - TCP 192.168.1.50:50000 (Trunk, Automatic)

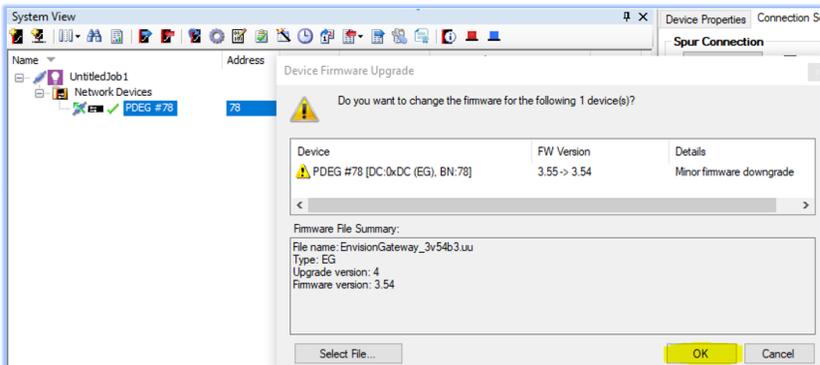
Use the Save to device option, select Resave all device data, select ok and wait for saving to complete.



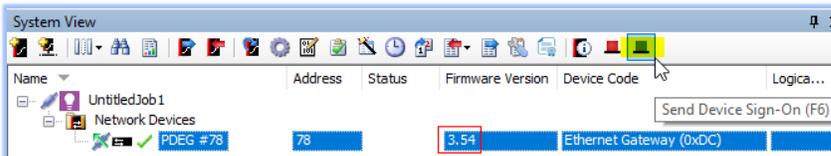
Apply the correct firmware by using the Firmware Upgrade option and browsing to the file:  
[EnvisionGateway\_3v54b3.uu]



You may be notified about version differences, press **OK** to proceed.

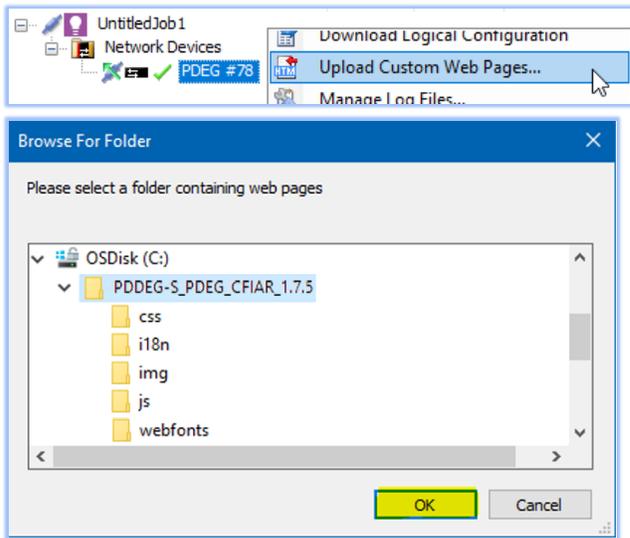


If the status column shows an error at the end of the process, perform a sign-on. The firmware version should be as shown as below:

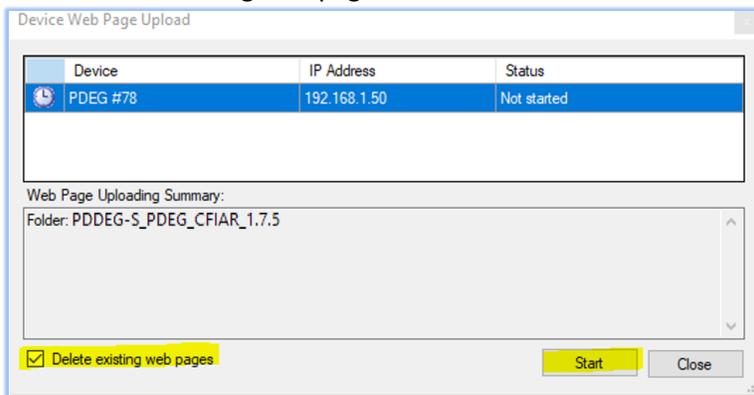


Upload the user interface / web pages

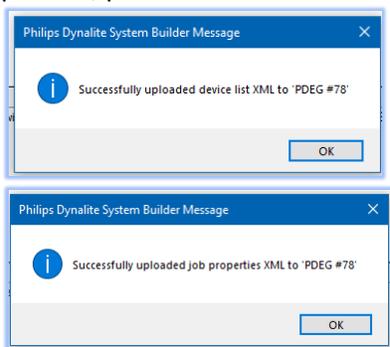
Right click the device, select **Upload Custom Web Pages**, and browse to the unzipped folder.

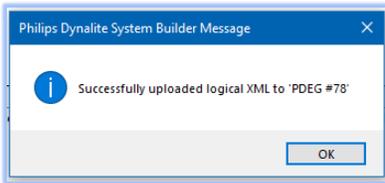


Select Delete existing web pages and Start.



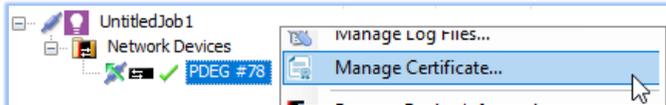
The process can take several minutes and you will be presented with notifications that pause the process, press **OK** to each.





## Certify the device

Right click the device, select **Manage Certificate**.



Select **System Builder Certificate** and fill in these options:

Common Name (CN):

**192.168.1.50**

City Or Location (L):

**Sydney**

Organization Unit (OU):

**Profsys**

State Or Province(S):

**NSW**

Organization (O):

**Signify**

Country (C):

**AU**

Expiry:

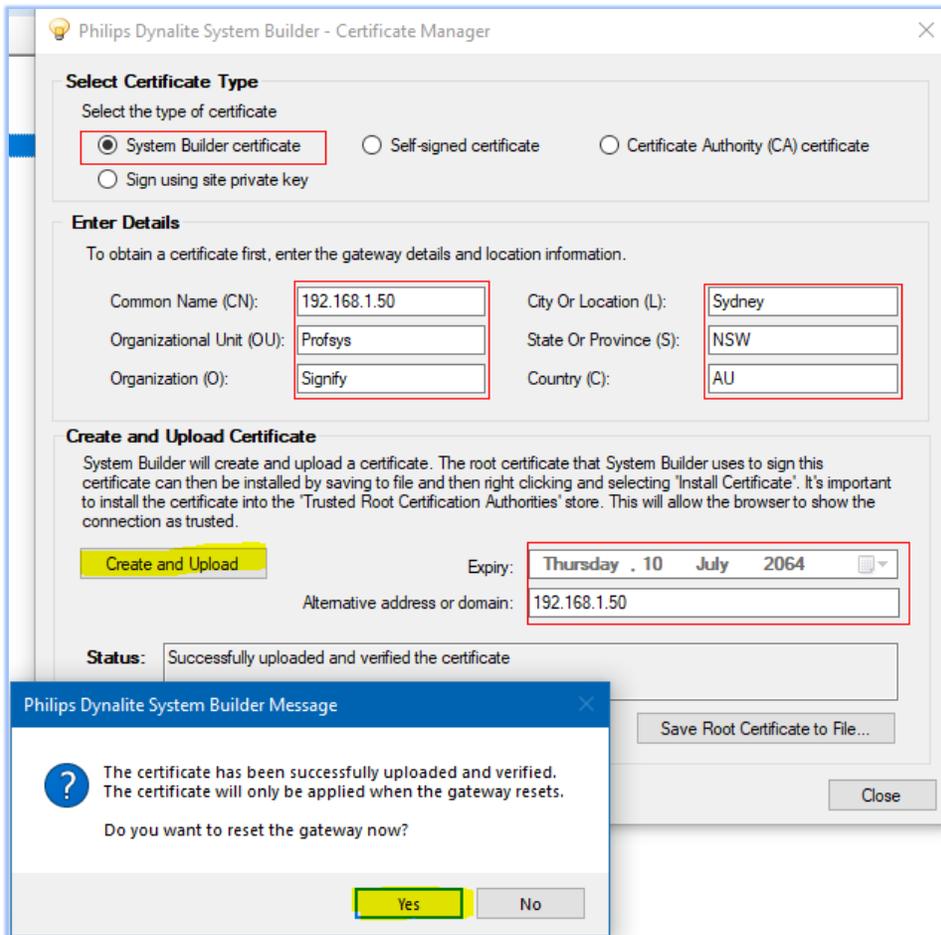
**10 July 2064**

Alternative address or domain:

**192.168.1.50**

Select **Create and Upload**, wait for the procedure to complete and select **Yes** to the popup dialog.

Close the Certificate Manager window.



Finally, restore your PC Ethernet settings and save your SB project and store it with the site files.

## Notes

- Localization from System Builder is not necessary, as these features are available within the Store User Interface.
- Support is available via the Partner Portal / C4CS system.



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