



System Dashboard

Installation Guide

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1 Accessing the Dashboard

Once installed, the System Dashboard shows the health of the lighting system on one screen:

- It shows a graph of energy usage for the site, a floor, or an individual area
- It presents counts of any offline devices or lamps, details of any emergency test failures or any other network issues.
- It lists upcoming schedules for the site, a floor, or an individual area.
- It displays links to more information on recent alerts.

To access the System Dashboard (when installed with default settings), go to the following URL:

https://127.0.0.1:3260/PC/ or **https://localhost:3260/PC/**

☰ If you would like to add user management or a custom certificate to your dashboard, refer to the procedure in section 3. However, this may change the default address of the dashboard.

1.1 Dashboard elements

System overview page

1. Menu – areas, schedules, and alerts
2. System Health – system alert summary
3. Upcoming Schedules
4. Energy Usage Graph
5. Recent Alerts

The screenshot shows the Lighting Dashboard interface. At the top, there is a navigation bar with 'Lighting Dashboard', 'Areas', 'Schedules', and 'Alerts'. Below this is a header section with 'Overview' and 'All Areas'. The main content area is divided into several sections:

- System Health:** Contains four status items:
 - Devices:** There are currently 25 outstanding device issues.
 - Lamps:** There are currently 26 outstanding lamp issues.
 - Emergency Tests:** All emergency testing completed successfully.
 - Alerts:** There are no new alerts.
- Upcoming Schedules:** Lists three scheduled events:
 - IPM Blinds Close:** 2 hours from now - 20 Apr, 2020 2:00 PM (+10:00)
 - 3. Building A/C On-Off (After Lunch):** 2 hours from now - 20 Apr, 2020 2:00 PM (+10:00)
 - 4. Building A/C On-Off (Evening):** 6 hours from now - 20 Apr, 2020 6:00 PM (+10:00)
- Percentage Notional Energy Used (%):** A line graph showing energy usage over time from 14 April to 20 April, 2020. The y-axis represents 'Energy Used (%)' from 0% to 100%. The graph shows a 'Site Range' (shaded area) and 'All Sites (%)' (line). Usage peaks are visible around 14, 15, 16, 17, and 20 April.
- Recent Alerts:** A table listing recent alerts:

Severity	Source	Name	Date
Fault	A2219 - Reception	Ballast Offline DDBC120-DALI V4 - Adj/Fed DB6 CB28 - A2219 - Recept-Channel 16	13-03-2020 10:03
Fault	A2219 - Reception	Ballast Offline DDBC120-DALI V4 - Adj/Fed DB6 CB28 - A2219 - Recept-Channel 14	13-03-2020 10:03
Fault	A2219 - Reception	Ballast Offline DDBC120-DALI V4 - Adj/Fed DB6 CB28 - A2219 - Recept-Channel 18	13-03-2020 10:03

Below the table is a button labeled '48 more alerts...'. At the bottom of the dashboard, there is a footer with language options (English | Dutch | Français) and the version information: 'Lighting Dashboard 1.23.8 © 2020 Signify Holding. All Rights Reserved.'

Schedules overview page

Lighting Dashboard Areas Schedules Alerts

Overview > Schedules

Schedules

30 Days

English | Dutch | Français

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Alerts overview page

Lighting Dashboard Areas Schedules Alerts

Overview > Alerts

Alerts

ALL 33 Lamps 25 Devices 8 Emergency Tests Alerts

Showing 1 to 10 of 33 entries

Search:

Severity	State	Source	Name	Date
Alarm	Created	A2218 - Finance	Lamp Failure DDBC120-DALI V4 - Above, Left - Fed DB6 CB - A2218 - Financ-Channel 7	20-04-2020 05:41
Alarm	Created	Simon B, Matt	Lamp Failure DDBC120_DALI #3090 - Simon B, Matt-Channel 2	16-04-2020 08:23
Alarm	Created	Comms Room	Lamp Failure DDBC120_DALI #3077 - Comms Room-Channel 1	11-02-2020 03:01
Alarm	Created	Standing Meeting Area	Lamp Failure DDBC120_DALI #3077 - Standing Meeti-Channel 3-2	10-02-2020 07:13
Alarm	Created	Dropbear	Lamp Failure DDBC120_DALI #3077 - Dropbear-Channel 2	10-02-2020 07:12
Alarm	Created	Irving, Sean, Kai	Lamp Failure DDBC120_DALI #3077 - Irving, Sean, -Channel 3	10-02-2020 07:11
Alarm	Created	Jagu, Mike, Emma, Ryan	Lamp Failure DDBC120_DALI #3077 - Jagu, Mike, Em-Channel 3	10-02-2020 05:41
Alarm	Created	A2219 - Reception	Lamp Failure DDBC120-DALI V4 - Adl/Fed DB6 CB28 - A2219 - Recept-Channel 17	20-06-2019 06:01

Show 10 entries

Copy CSV Excel PDF Print

Previous 1 2 3 4 Next

Clicking on an Alert gives you more information.

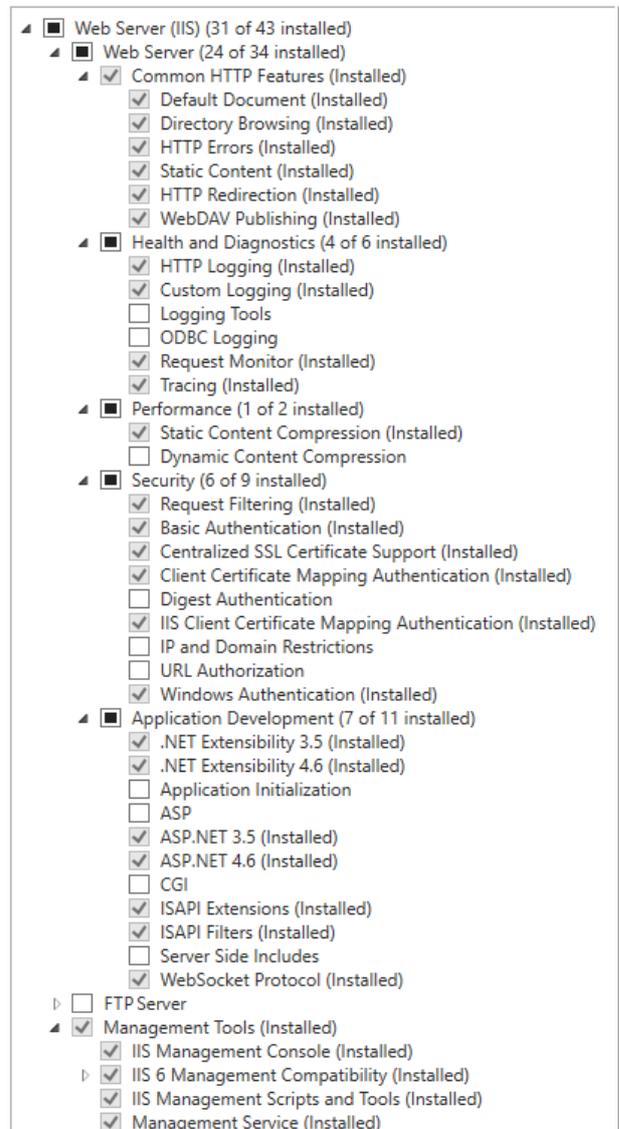
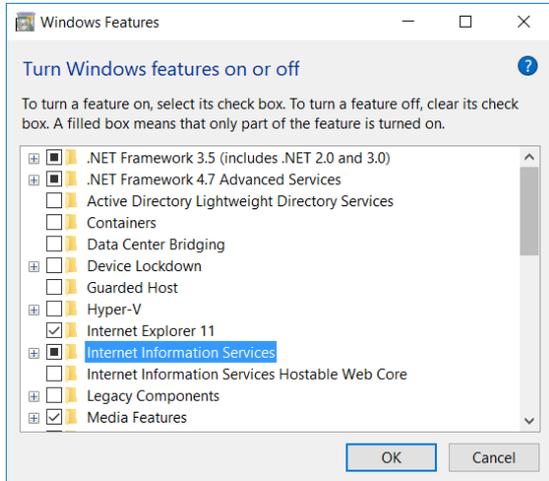
2 Installing System Manager

2.1 Configure IIS

On the SM Server, open Windows Control Panel > Programs and Feature > Turn Windows features on and off.

Enable Internet Information Services.

Enable these additional features
(Example, Windows Server 2016).

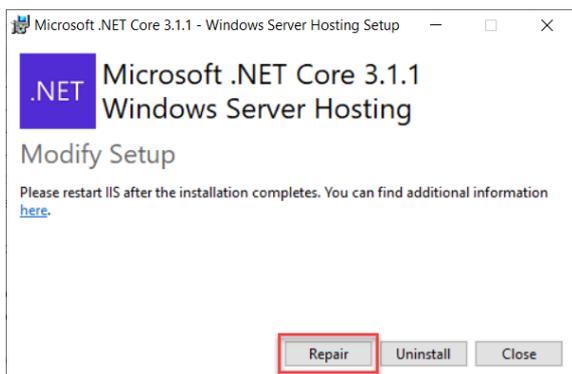
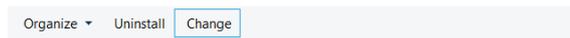


! Whenever an IIS setting is updated, you need to change/modify .NET Core 3.1.1 or later. Select:

Programs and Features > Microsoft .Net Core 3.1.1 Windows Server Hosting > Change > Repair.

[Uninstall or change a program](#)

To uninstall a program, select it from the list and then click Uninstall, Change, or Repair.



! In case it isn't installed, you can download from:
<https://dotnet.microsoft.com/download/dotnet-core/3.1>

2.2 Install PostgreSQL database

The Data Access service requires the PostgreSQL database to be installed (version 10 or later).

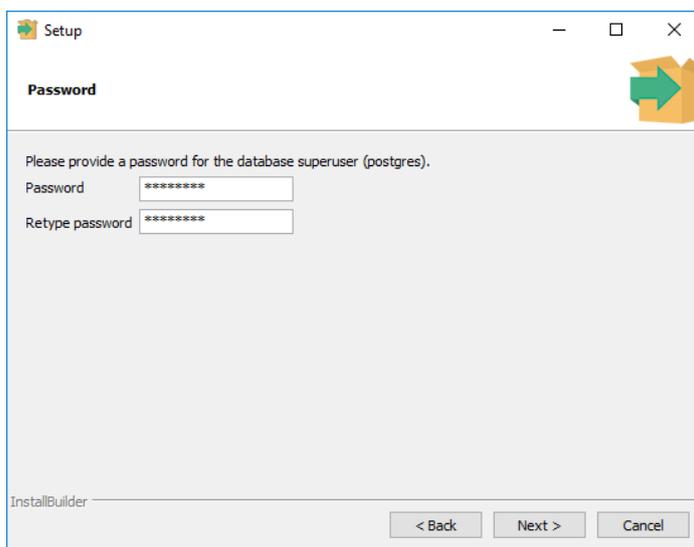
Download the installation package from. <https://www.postgresql.org/download/windows/>

- ☰ You must install the PostgreSQL Data Access (DA) database and configure Internet Information Services (IIS) before installing the other System Manager components

Install PostgreSQL database:

1. Right click the PostgreSQL setup file from an explorer window and select Run as administrator. The PostgreSQL Setup Wizard opens.
2. Click next in the PostgreSQL Setup Wizard.
3. Click next for Installation Directory.
4. Click next for Select Components.
5. Click next for Select Data Directory.
6. Enter database superuser password and retype password.

- 🔴 The DA password is encrypted so ensure you store a copy in a secure location for future reference. The password will be required later when installing System Manager.



7. Click next for Select Port number.
8. Click next and select your language and location, if applicable.
9. Click next for Display pre-installation summary.
10. Click next for Ready to begin installation.
11. Uncheck the launch Stackbuilder checkbox and click finish.

2.3 Install SM prerequisites

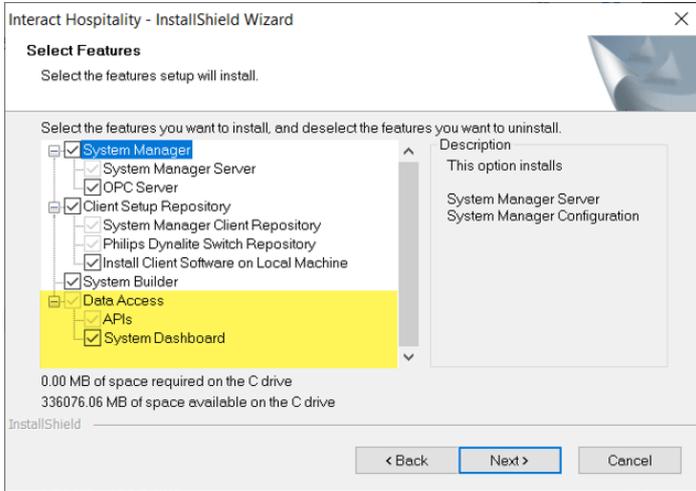
Right click the System Manager prerequisite setup file from an explorer window and select Run as administrator (Philips.Dynalite.System.Manager.Prerequisites_v1.3.0.0.exe).

Once the prerequisite software is installed the wizard ends automatically.

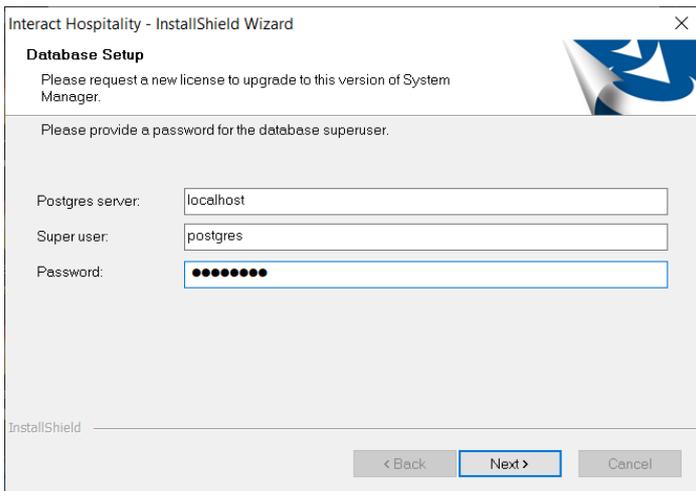
2.4 Install System Manager software suite

Install System Manager software suite:

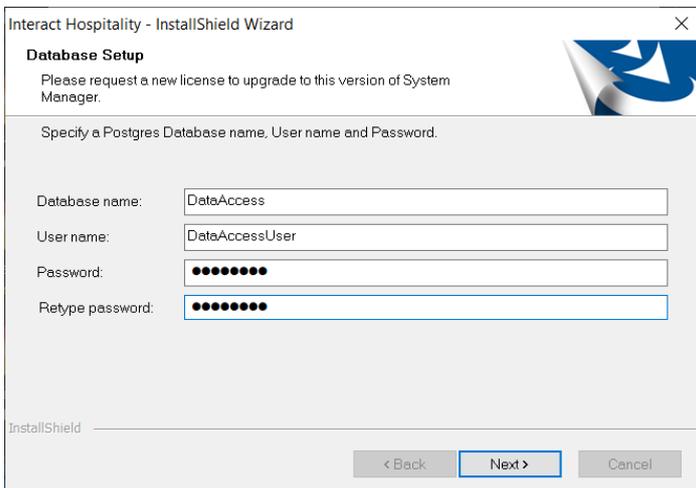
1. Run the Philips Dynalite System Manager (.exe) install file, as administrator.
2. When installing the System Manager software, select the Data Access checkbox in the wizard and click next.



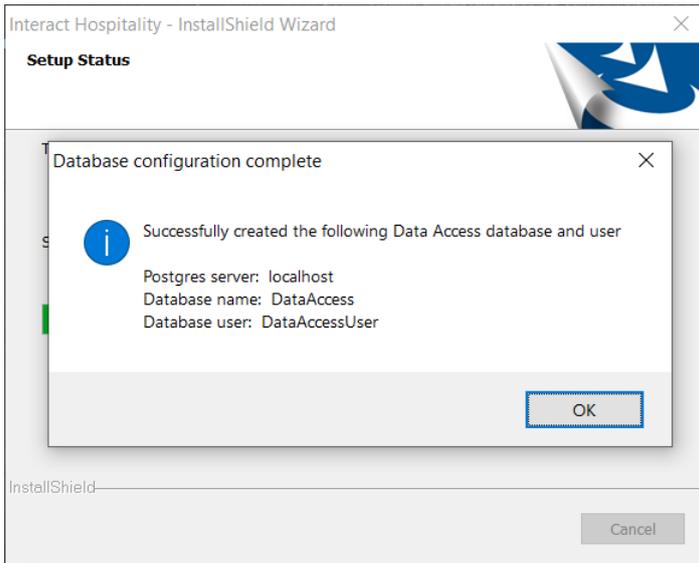
3. During installation, enter the password previously created for the postgresSQL database super user account and click next.



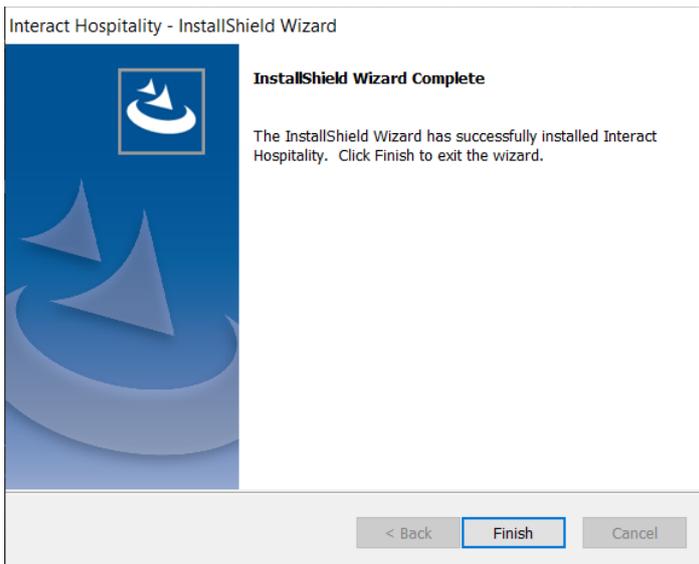
4. Enter the same password twice to create the Database name and Username and click next.



- Click OK after the wizard has successfully created the Data Access database and user. The Installation continues to install the remaining System Manager components.

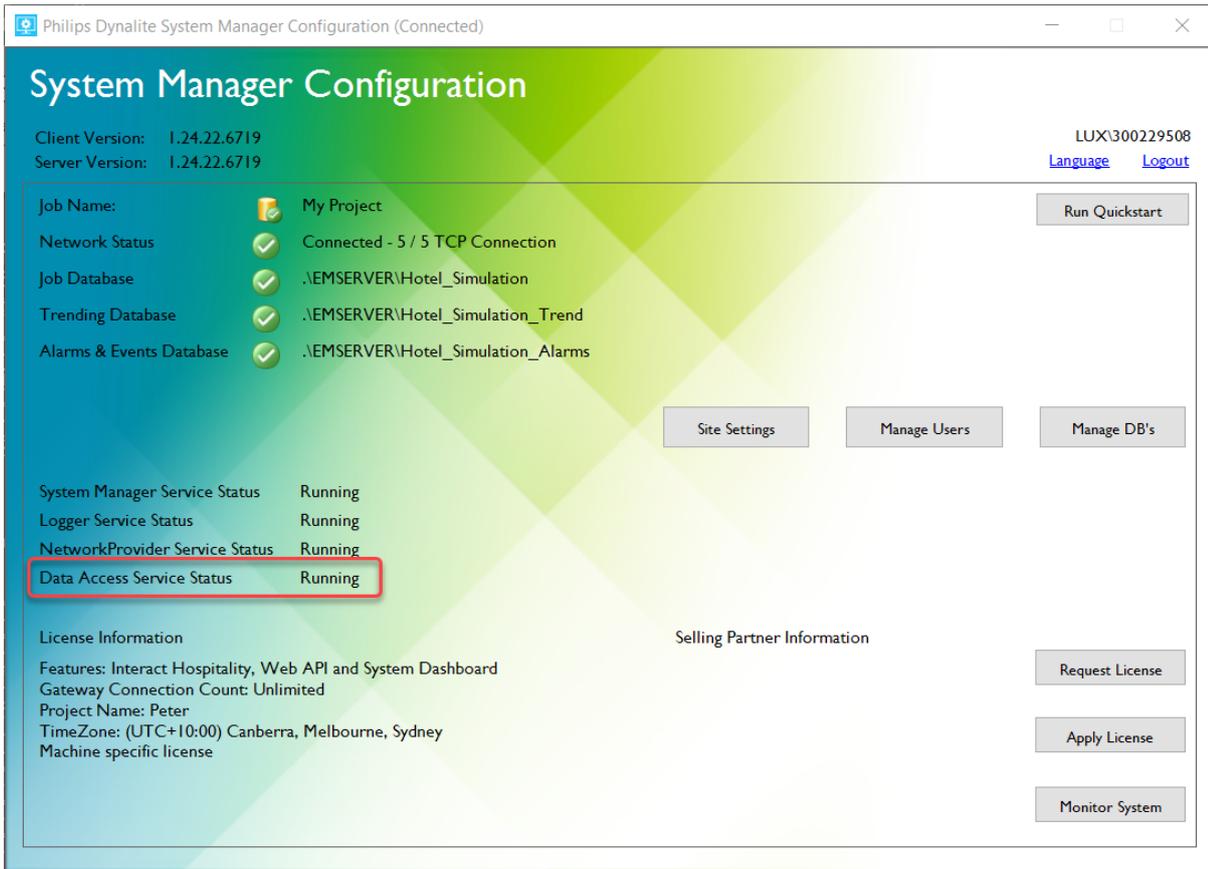


- Click the Finish button to complete the installation.

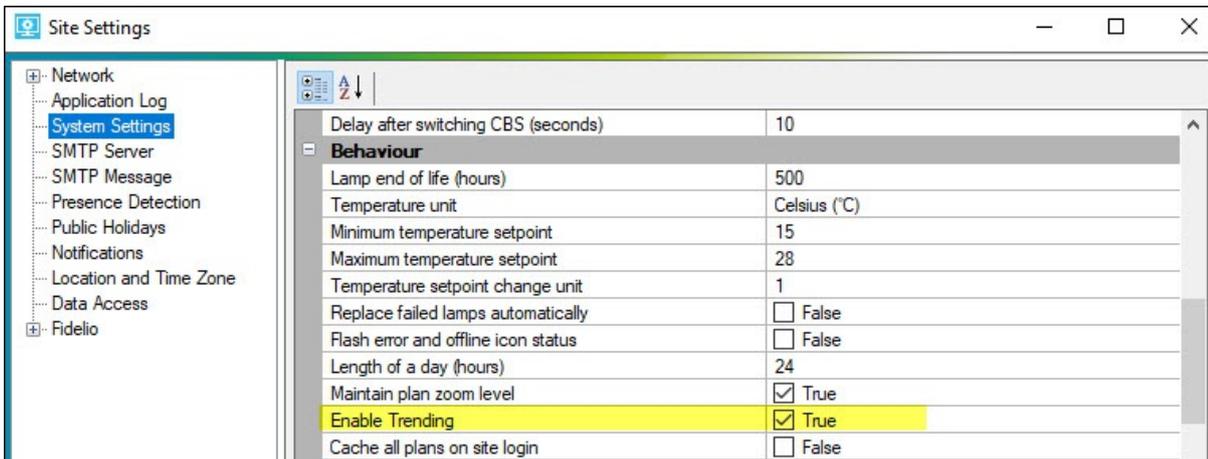


2.5 Check server operation

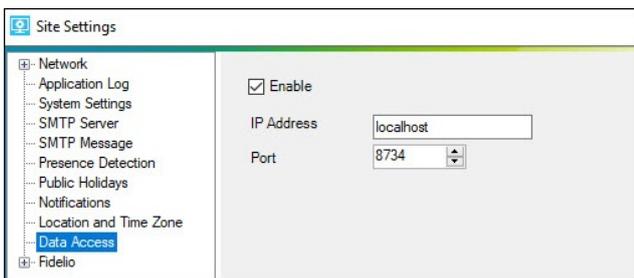
In the System Manager Configuration tool, the status should show Data Access is Running.



Enable Trending and Data Access in System Manager Config.



Enable Data Access



In Windows Task Manager, ensure that the five Philips Dynalite System Manager services are running.

Name	PID	Description	Status	Group
p2psvc		Peer Networking Grouping	Stopped	LocalServiceP...
PcaSvc	8288	Program Compatibility Assistant Service	Running	LocalSystemN...
PeerDistSvc		BranchCache	Stopped	PeerDist
PerfHost		Performance Counter DLL Host	Stopped	
Philips Dynalite Data Access Server	3608	Philips Dynalite Data Access Server	Running	
Philips Dynalite Logger	3624	Philips Dynalite Logger	Running	
Philips Dynalite Network Provider	3652	Philips Dynalite Network Provider	Running	
Philips Dynalite System Manager OPC Server	3712	Philips Dynalite System Manager OPC Data Access 3.0 Philip...	Running	
Philips Dynalite System Manager Server	6592	Philips Dynalite System Manager Server	Running	
PhoneSvc		Phone Service	Stopped	LocalService
PimIndexMaintenanceSvc		Contact Data	Stopped	UnistackSvcGr...
PimIndexMaintenanceSvc_29fd3d	9080	Contact_Data_29fd3d	Running	UnistackSvcGr...

If the system is connected and there is live data going into the TrendDB, then you can check C:\ProgramData\Dynalite\DataAccess\Logs\DataAccessServer.log to see incoming Sync messages.

```

2018-02-02 11:15:58,647 [641] INFO - Stopping DataAccess Server...
2018-02-02 11:20:35,505 [7] INFO - Starting DataAccess Server...
2018-02-02 11:20:36,852 [7] INFO - Starting DataAccess Server is ready
2018-02-02 11:20:52,834 [15] INFO - (SyncConfigurationData) Synced Plan data of site (3ac338d2-7d95-42c7-bc56-4aa1a55b496e)
2018-02-02 11:20:52,954 [15] INFO - (SyncConfigurationData) Synced Tag data of site (3ac338d2-7d95-42c7-bc56-4aa1a55b496e)
2018-02-02 11:20:52,966 [15] INFO - (SyncConfigurationData) Synced Holiday data of site (3ac338d2-7d95-42c7-bc56-4aa1a55b496e)
2018-02-02 11:20:53,289 [15] INFO - (SyncTrendData) Synced actual notional energy data of site 3ac338d2-7d95-42c7-bc56-4aa1a55b496e
2018-02-02 11:20:53,464 [16] INFO - (SyncTrendData) Synced maximum notional energy data of site 3ac338d2-7d95-42c7-bc56-4aa1a55b496e
    
```

3 Setup secure access

To establish secure access to System Manager requires the following two features to be configured on the other server or user's PC:

1. User authentication
2. HTTPS certificate

3.1 User authentication

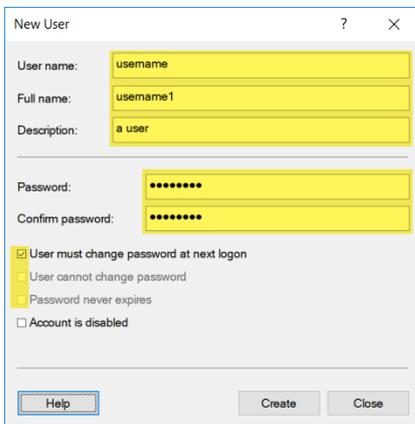
For user authentication, you need to create a username and password for each user. This is necessary so that users on their own PC, can authenticate on the prompt and gain access to the secured Dashboard and/or API resources.

Add a user for basic authentication:

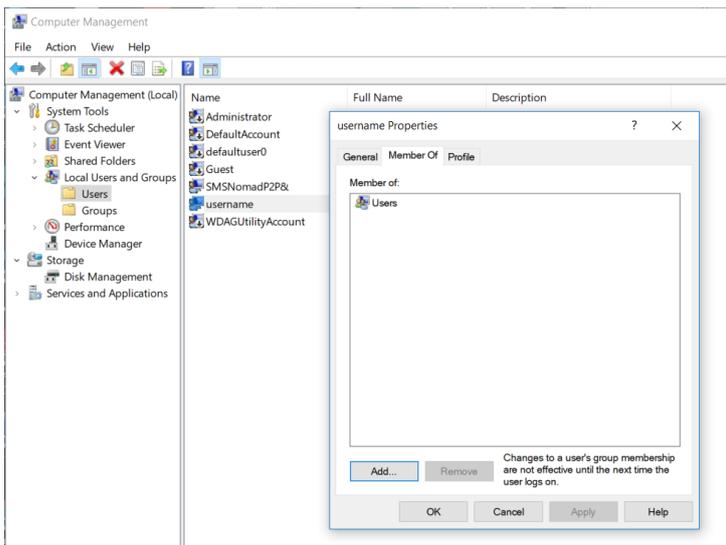
1. Run Computer Management by searching for **Computer Management** in the Windows search toolbar.



2. Navigate to Local Users and Groups > Users. Right-click on the Users folder and select **New User**.
3. Enter new user details and access settings and click **Create**, then click **Close**.

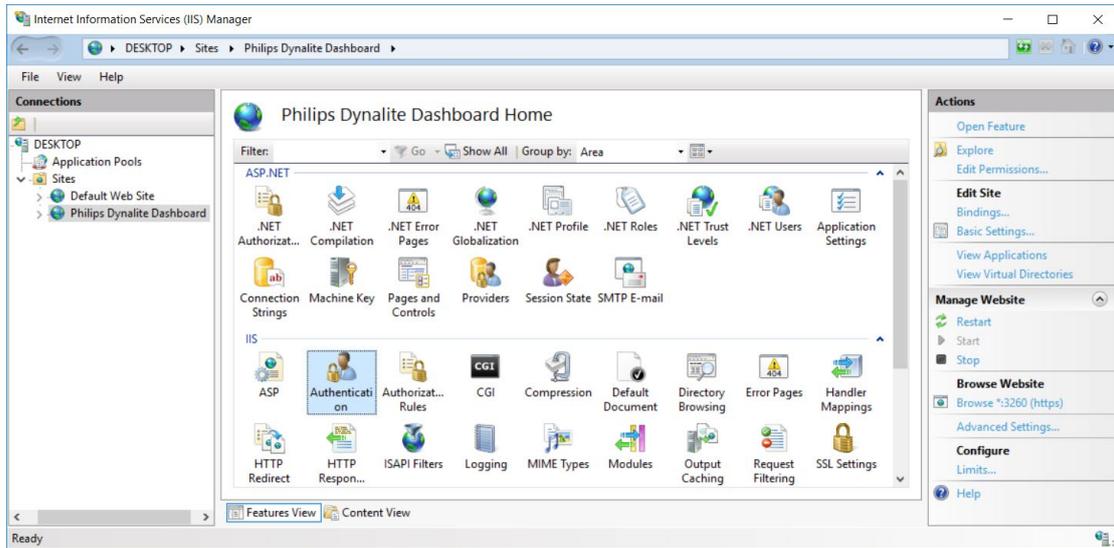


4. Once the user has been created, check its membership to the Users group by right-clicking the newly created user and select **Properties** and **Member Of** tab.

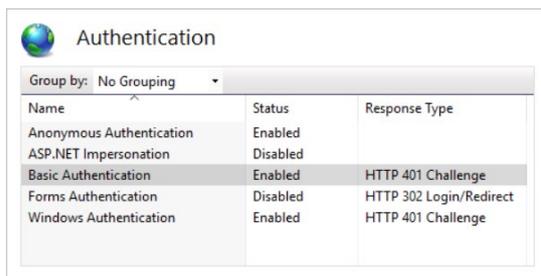


Enable basic authentication:

1. Within Internet Information Services (IIS), select **Philips Dynalite Dashboard** (or relevant Web Site) and double-click **Authentication**.



2. Select Basic Authentication and click **Enable** on the right-hand side.

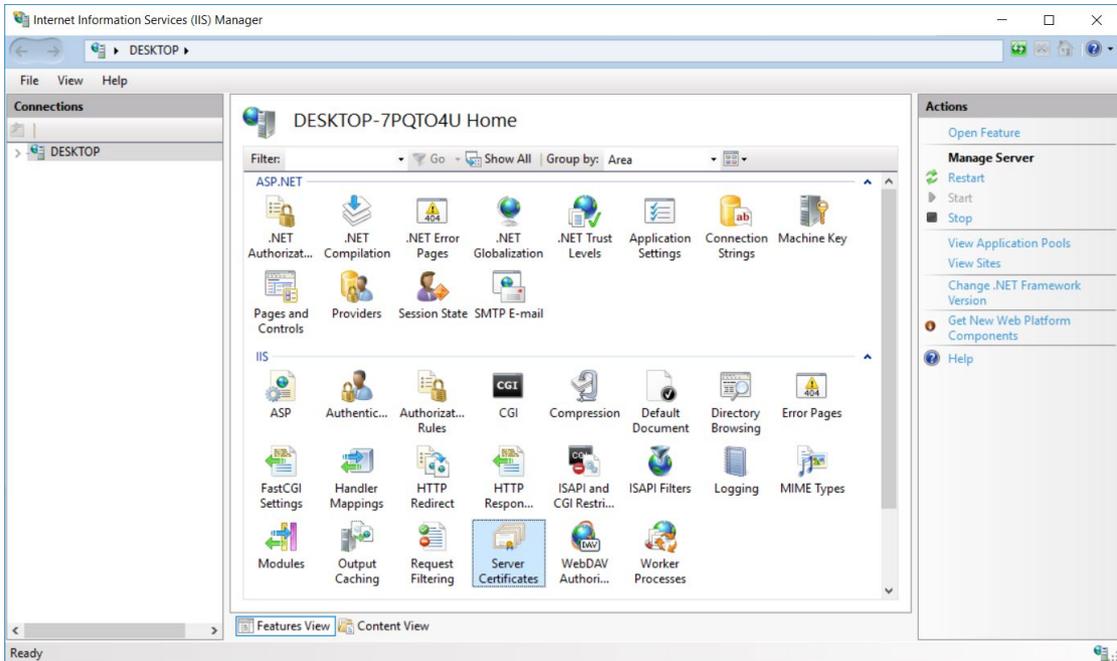


3.2 HTTPS Certificate

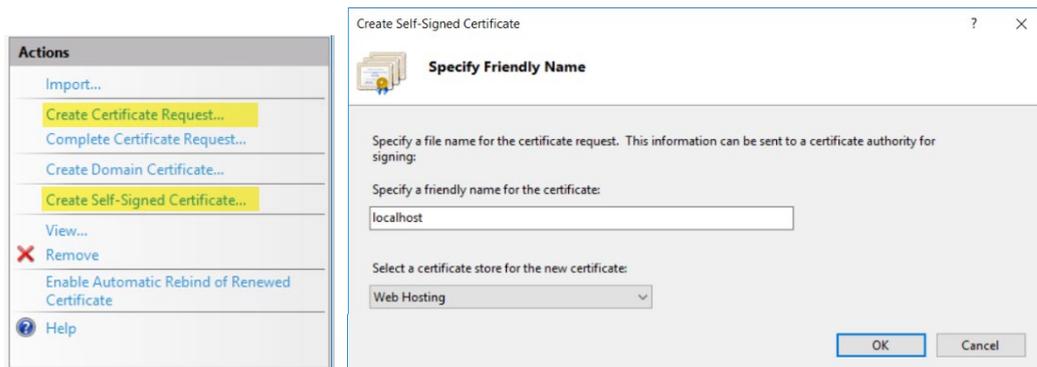
To enable a secure HTTPS connection to System Manager you need to create an TLS certificate.

Create an TLS certificate:

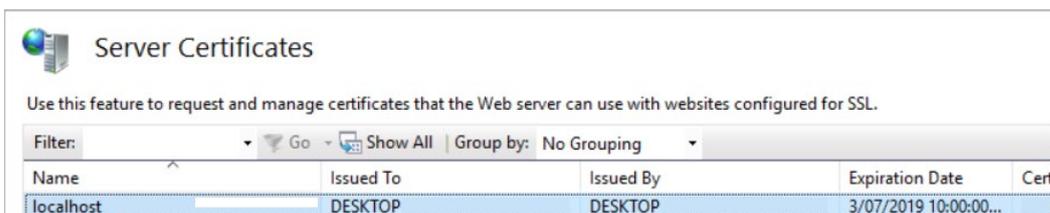
1. Within Internet Information Services (IIS), select the root item and double-click **Server Certificates**.



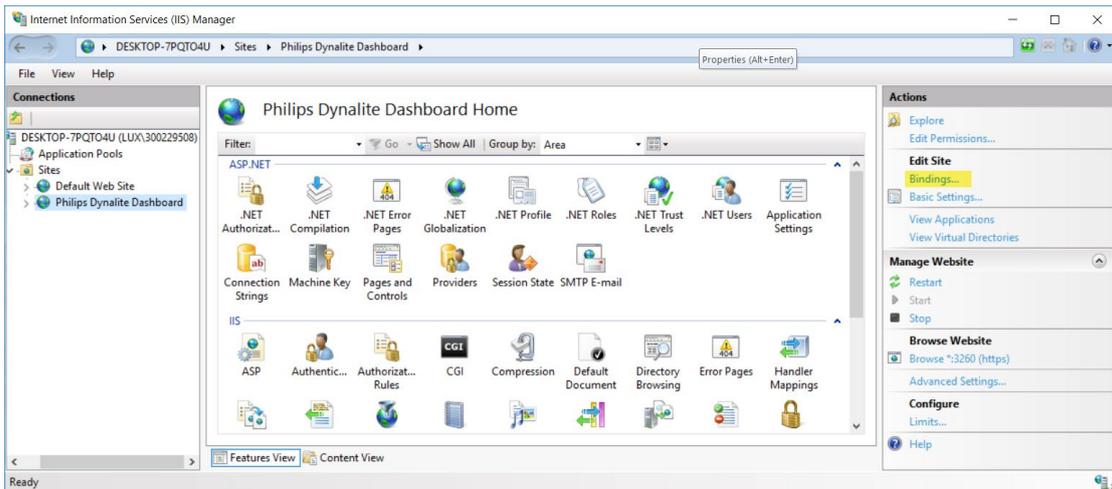
2. Either select Create Certificate Request to begin the process of registering for a proper qualified TLS certificate or select Create a Self-Signed Certificate to prepare a locally validated certificate for use. The caveat for this is you will be presented with a 'Not secure' warning when logging into the website.
 - a. If you have selected to Create Certificate request, follow the IIS certificate authority request process.
 - b. If you have selected to Create Self-Signed Certificate, provide a friendly name for the certificate (e.g. localhost) and store (e.g. Web Hosting) and click **OK**.



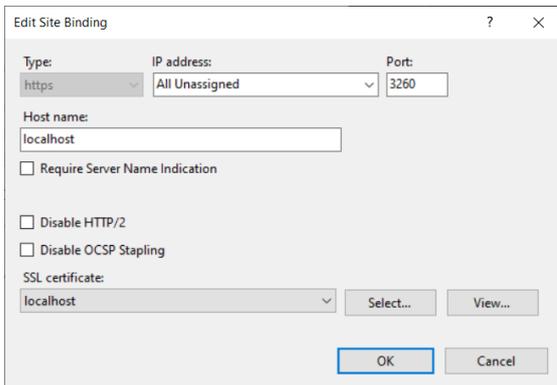
Once you have completed this process, your new certificate should now be issued.



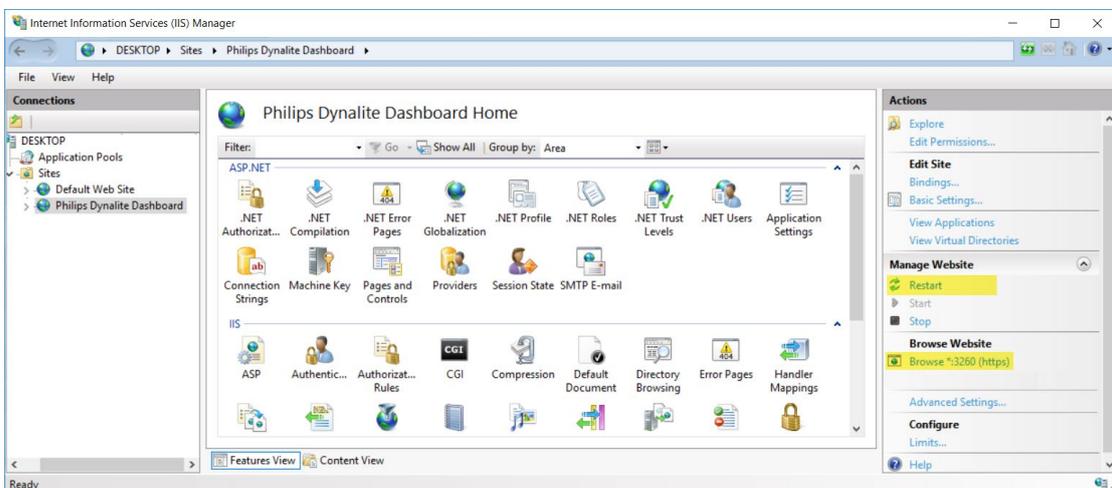
- To bind the new certificate to the Dashboard site (or relevant Web Site), in IIS, select Philips Dynalite Dashboard (or relevant website) and from the Actions panel, click **Edit Site > Bindings...**



- Click **Add...** to create a new Site Binding.
- Change the type to https and configure the IP address, Port and Host name to suit your network setup.



- Select the TLS certificate you have created from the list of available TLS certificates and click **OK**.
- Once created, click **Close** to return to the main IIS management page.
- To ensure the new settings have been adopted, click **Restart** within the Manage Website panel.
- Click **Browse** <provided host name> on <provided IP Address>:<provided Port> (https) to launch the website.



- For a self-signed-certificate, you may need to click advanced and proceed past the browser warning to view the website.