Audit Access Expires Apr. 29, 2019
You lose all access to this course, including your progress, on Apr. 29, 2019. Upgrade by Apr. 30, 2019 to get unlimited access to the course as long as it exists on the site. **Upgrade now**

Tools and Setup

You will need the following resources in order to complete the capstone activities:

- You will need an active Azure Subscription.

- You will need access to a Windows environment running Windows 10 Release 1809 or later configured for Developer mode.

  - If you don't have Windows 10 Release 1809 or later, you can download a Windows 10 VM that can run on VMWare, Hyper-V, VirtualBox or Parallels can be downloaded from here.

- You will need to install and configure additional tools (as you deem appropriate) to complete the activities. If needed, you can find installation details for the specific tools within the related course(s) from within the IoT MPP curriculum.

Configuring Windows 10 Developer Mode

In order to install the **Wind Farm Dashboard** app required to complete Scenario 2, you must have access to Windows 10 1803 or later configured in Developer mode.

Complete the following steps to configure Developer Mode on Windows 10.

1. In order to enable **Developer mode** you must have administrator access.

2. In the Windows 10 search area enter **Developer Settings**.

A list of matches will be displayed - select the **Developer Settings** result and the **For developers** settings dialog will be displayed.

3. To enable **Developer mode**, select **Developer mode**.

A dialog will be displayed requesting confirmation to turn on developer mode - click **Yes**.

If the system has not previously been configured for **Developer mode**, the Developer Mode Package will be downloaded and installed.

> **Note**: If you encounter any issues, the Enable your device for development page on Microsoft docs provides troubleshooting information.

Install Wind Farm Simulator

The **Wind Farm Dashboard** UWP application simulates 10 Wind Turbines and sends telemetry data to an IoT Hub when configured.

To install the application in advance of the scenario, complete the following steps:

1. The Simulator is a UWP application that requires Windows 10 Version 1803 or later and is configured in **Developer mode**.

2. To install the **Wind Farm Dashboard** UWP application, download the zip file below and extract the contents to a directory:

   - WindFarmDashboard.zip

3. Within the directory, find the **Add-AppDevPackage.ps1** file - this PowerShell Script will install the application using "side-load".

4. Right-click the **Add-AppDevPackage.ps1** file, and click **Run with powershell** from the context menu.

A PowerShell console will open and you will be prompted concerning running from an untrusted publisher. You should only install applications from a source you trust.

5. Enter **R** to run the script once.

   The script will display the installation progress and quickly complete.

6. Hit **Enter** to continue and close the PowerShell window.

The **Wind Farm Dashboard** application has now been installed. You will find it in the **Windows Start** menu listed as **Wind Farm Dashboard**. You do not need to launch it at this point.

Learn About Verified Certificates