

EoD Installation Guide

EoD Repository: <https://github.com/mboyle15/EoD>

System Requirements:

Windows server 2016

ASP.NET Core SDK

SQL Server 2016

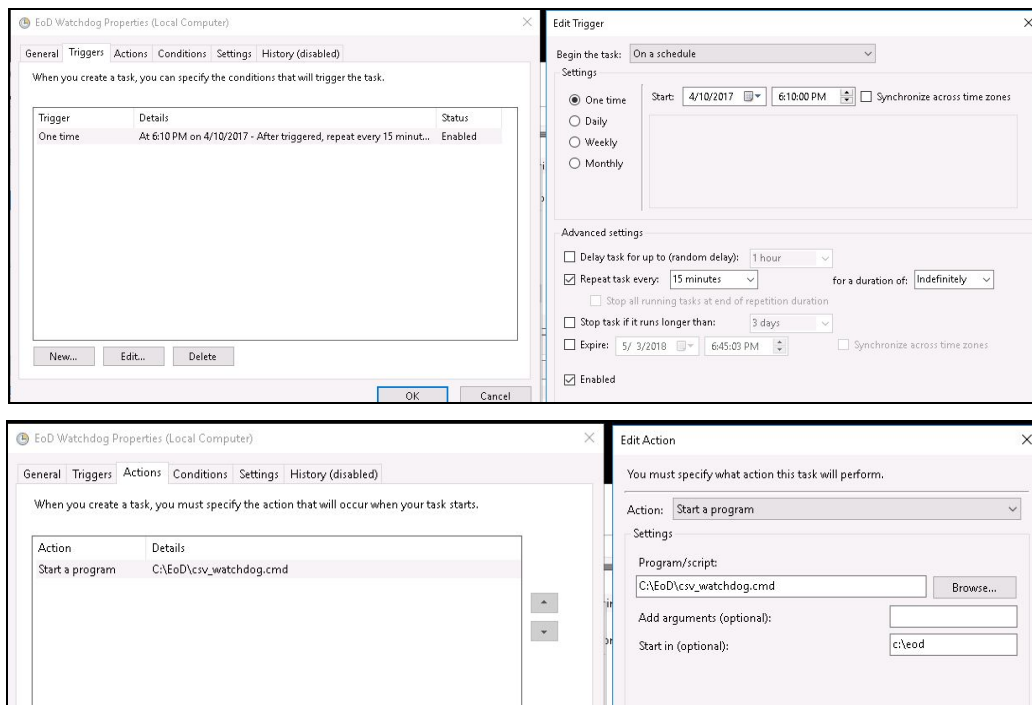
IIS 10

Python 2.7.x

Setting up the parser

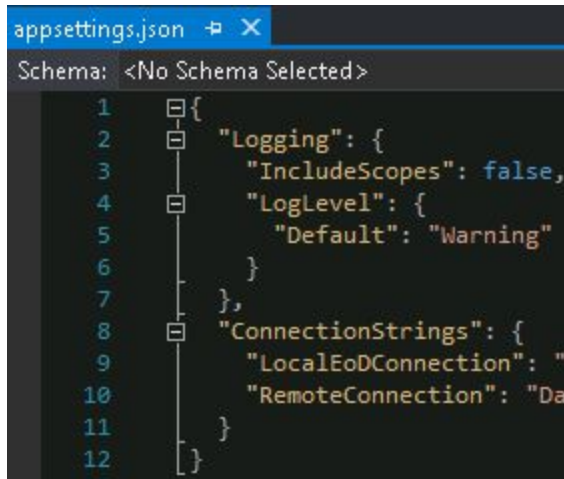
The EoD parser is already set up on uaa-engrondisplay.duckdns.org. However the below instructions detail how to reinstall it if necessary.

1. Download and install Python 2.7.x from here: <https://www.python.org/ftp/python/2.7.13>
2. Clone the EoD project from the github repository linked above. Copy the EoDParser.py and csv_watchdog.cmd files to a new folder at the root of the c: drive
3. Navigate to “\\137.229.186.113\share” in windows explorer and map the folder to the windows z: drive
4. Open windows task scheduler and create the task with similar settings as shown below



Connecting to EoD Database

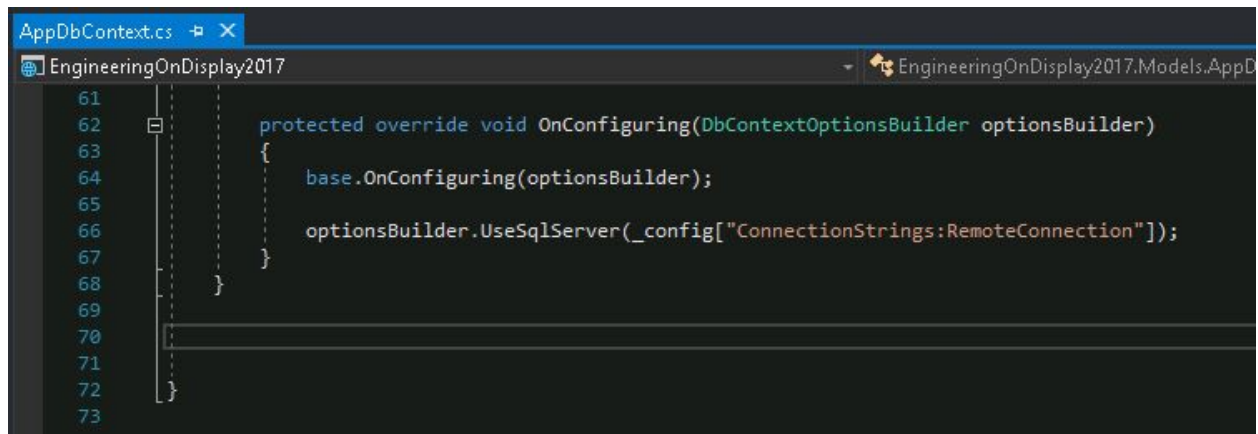
1. Open the cloned .NET project in Visual studio
2. In the solution explorer, open the file "appsettings.json"
3. Verify or change the remoteconnection string to the value below

A screenshot of the Visual Studio code editor showing the 'appsettings.json' file. The file is opened in a tab at the top. The content is a JSON object with a 'Logging' section and a 'ConnectionStrings' section. The 'Logging' section has 'IncludeScopes' set to false and a 'LogLevel' section with a 'Default' set to 'Warning'. The 'ConnectionStrings' section has two entries: 'LocalEoDConnection' and 'RemoteConnection'. The 'RemoteConnection' value is partially visible as 'Data'.

```
1  {
2    "Logging": {
3      "IncludeScopes": false,
4      "LogLevel": {
5        "Default": "Warning"
6      }
7    },
8    "ConnectionStrings": {
9      "LocalEoDConnection": "s
10     "RemoteConnection": "Data
11   }
12 }
```

"RemoteConnection": "Data Source=uaa-engrondisplay.duckdns.org;Initial Catalog=EIBdata;Integrated Security=False;User ID=sa;Password=cse2017-eod;Connect Timeout=15;Encrypt=False;TrustServerCertificate=True;ApplicationIntent=ReadWrite;MultiSubnetFailover=False"

4. Open the file appdbcontext.cs and verify or change usesqlserver to the value below

A screenshot of the Visual Studio code editor showing the 'AppDbContext.cs' file. The file is opened in a tab at the top. The code shows a 'protected override void OnConfiguring' method. Inside the method, 'base.OnConfiguring(optionsBuilder);' is called, followed by 'optionsBuilder.UseSqlServer(_config["ConnectionStrings:RemoteConnection"]);'. The file is part of the 'EngineeringOnDisplay2017' project, and the current file is 'EngineeringOnDisplay2017.Models.AppD'.

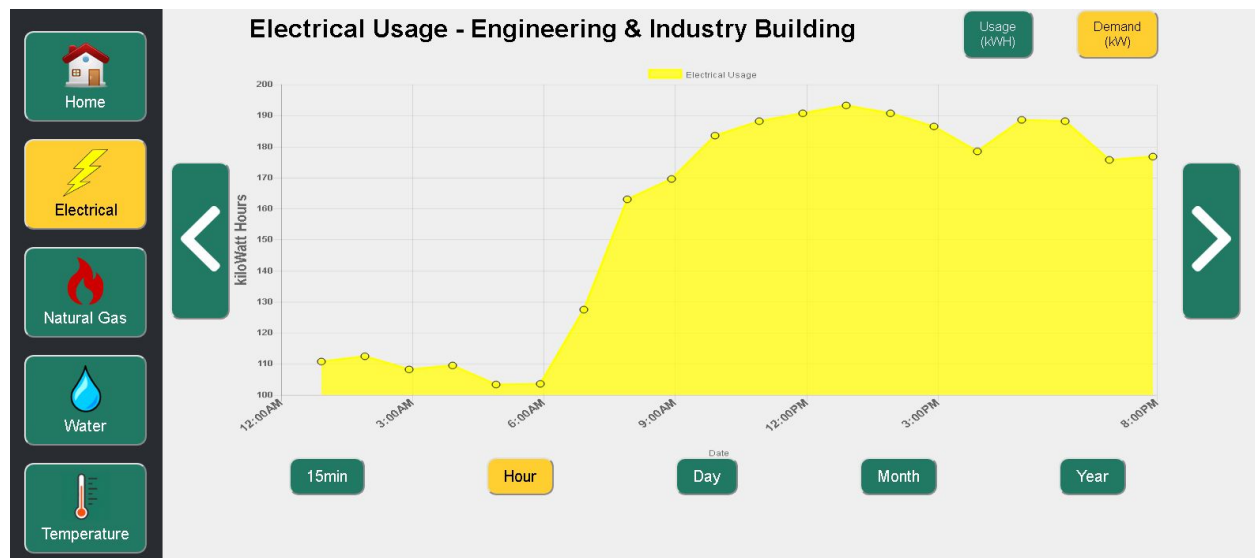
```
61
62  protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder)
63  {
64      base.OnConfiguring(optionsBuilder);
65
66      optionsBuilder.UseSqlServer(_config["ConnectionStrings:RemoteConnection"]);
67  }
68
69
70
71
72
73 }
```

EoD User Guide

Building Dashboard Help Page

The EIB Building dashboard is designed to be intuitive and visually appealing. Most common usage will occur on 17" touchscreens placed in the EIB. The dashboard display is optimized for this type of interaction.

The dashboard is composed of 4 main displays for each data set. To navigate between these utilize the labeled buttons on the left side.



When viewing one of the displays use the left and right arrow buttons to scroll through the times. To change the scale of the graph use the buttons at the bottom labeled with time intervals.

For each display, utilize the two buttons in the top right to toggle different plots.