

A Generalized Open Source Platform for Building Energy Management

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Outline

1 Introduction

2 Progress

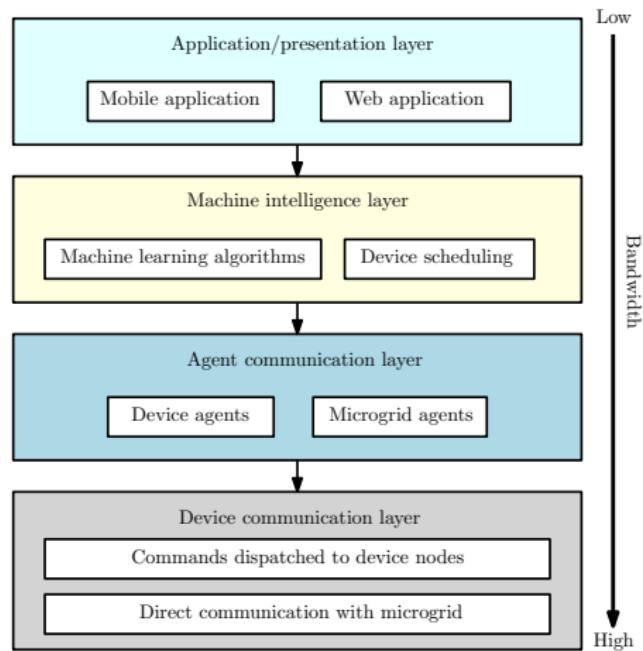
3 Landing Pages

4 Control Agent Work

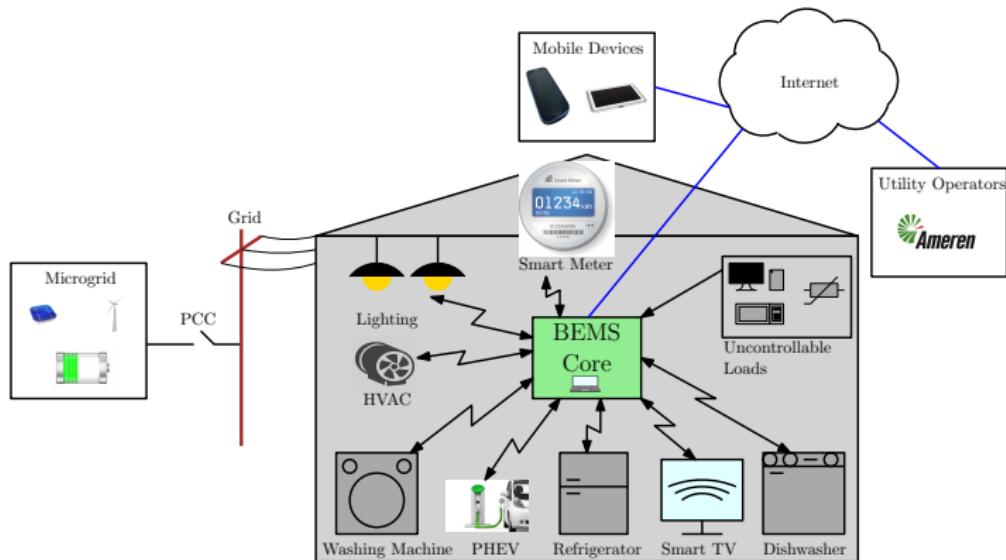
5 Git Extensions

6 Plans

Introduction



Introduction



Progress

- Added landing page for '/' and '/home' requests
- Added pages for Applications, Notifications, Settings (only place holder text for now)
- Worked on adding a periodic device query feature in the ControlAgent
- Attempted to install Git Extensions

Landing Pages

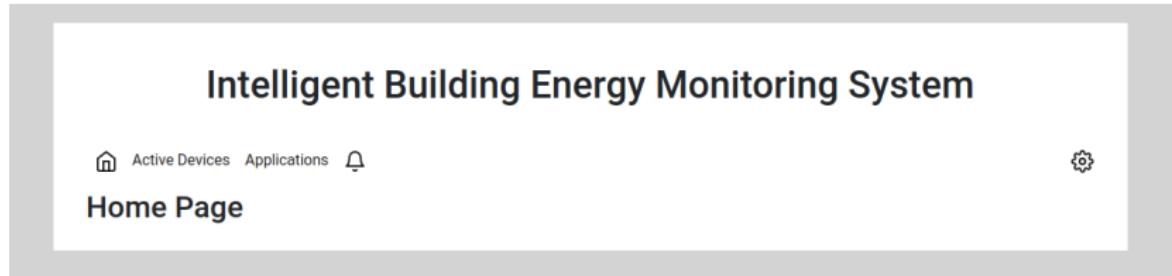


Figure: Temporary landing page

Control Agent Work

- Added method `startPeriodicQueryBehavior` which will start a new thread on method `periodicQueryBehavior`
- `periodicQueryBehavior` will potentially regularly query the device for data and store in the time-series database

Git Extensions

```
blauer@blauer-MS-7A71: /opt/GitExtensions
File Edit View Search Terminal Help
GitExtensions.exe.config          PuTTY
git-extensions-logo-final-256.ico ResourceManager.dll
gitext.sh                         RestSharp.dll
GitExtUtils.dll                   SmartFormat.dll
Git.hub.dll                       System.IO.Abstractions.dll
GitUI.dll                         System.Reactive.Core.dll
GitUIPluginInterfaces.dll        System.Reactive.Interfaces.dll
Gravatar.dll                      System.Reactive.Linq.dll
ICSharpCode.SharpZipLib.dll       System.Reactive.PlatformServices.dll
ICSharpCode.TextEditor.dll        Translation
blauer@blauer-MS-7A71:/opt/GitExtensions$ sudo nano gitext.sh
[sudo] password for blauer:
blauer@blauer-MS-7A71:/opt/GitExtensions$ ./gitext.sh
/opt/GitExtensions
chmod: changing permissions of '/opt/GitExtensions/gitext.sh': Operation not per
mitted
ln: failed to create symbolic link '/usr/local/bin/gitext': File exists
blauer@blauer-MS-7A71:/opt/GitExtensions$
Unhandled Exception:
System.IO.FileNotFoundException: Could not load file or assembly or one of its d
ependencies.
File name: 'System.Windows.Forms, Version=4.0.0.0, Culture=neutral, PublicKeyTok
en=b77a5c561934e089'
```

Figure: FileNotFoundException Git Extensions install

Plans

- Determine a time series database (possibly Apache-Cassandra)
- Finish up UI and agent work for querying the device for data
- Potentially (down the road) integrate a REST API with the software using Flask RESTful
- Continue working on installing git extensions

References I



Flask RESTful

<https://flask-restful.readthedocs.io/en/latest/>

Any Questions?