

# Release Plan

## SEADS Microgrid Project - Backend/DB

Release Name: Sprint 2

Release Date: December 12, 2014

Revision Number: 1

Revision Date: Monday November 03, 2014

### High Level Goals

1. (Sprint 1) Database software selection and schema migration, replicate existing MySQL functionality.
2. (Sprint 2) Finish implementing API and data landing zone.
3. (Sprint 3) Add the ability to search by signatures.

### Sprint 2 Goals

1. Reimplement schema in new database.
2. Reimplement data endpoint in a concurrent socket server written in Go for the new database.
3. Write Python API to provide better data retrieval for the GUI developers.

### Sprint 1 User Stories

As a GUI developer, I want to query the database for signals within a certain range.

### Sprint 2 User Stories

As a GUI developer, I want to query the database for signals within a certain range.

### Sprint 3 User Stories

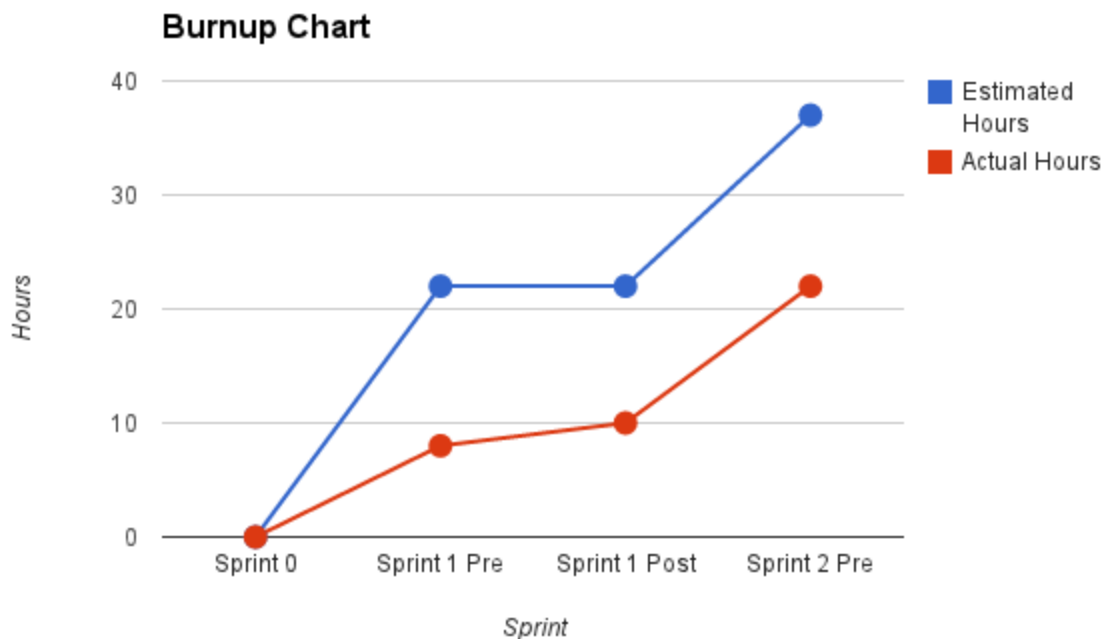
As a GUI developer, I want to query the database for data by appliance type.

## User Stories for Release

Sprint	User story	Story points
1	As a GUI developer, I want to query the database for signals within a certain range.	21
2	As a GUI developer, I want to query the database for signals within a certain range.	21
3	As a GUI developer, I want to query the database for data by appliance type.	13

## Product Backlog

1. Caching server to speed up queries.
2. Change database schema to not store every different type of data in the same column.
3. Rewrite SEAD plug firmware



Full scrum board at <http://www.sead.systems/wiki/index.php/DB>