# Cfet2 2017 Road map

## **Alpha** stage

### V. 0.1.0

Core:

* + - basic resources: thing, status, config, method,
    - thing probing, discover resources in user defined things
    - basic sample
    - basic resource access: get set invoke, support route parameter, query perimeter, input array and input dictionary
    - basic resource locate with URI, route parameter, query perimeter parsing, by hub
    - basic resource management, init start and locate
    - Hub factory and injection, but hub in user modules now has no permission control
    - No remote communication support, fully local

Cfet2 Application

* + - Cfet2App cli app act as a basic example
    - Basic resource management and access via cli
    - Contain example basic things for references

### V. 0.2.0

Core:

* + - Remote module supported
    - Support event, local event distribution by hub, further event relay and management by event thing
    - Event thing that handles subscribes and so on

Cfet2Remote

* + - HTTP restful remote module
    - HTTP event Call back event only
    - HTTP client extracted
    - ~~DDS remote module~~

Cfet2App

* + - Remote support
    - More things like Modbus, NI AI, MDSplus and more useful thing.

## Beta stage

### V. 0.3.0

Cfet2Remote:

* View based on Vue.js

Cfet2App:

* + - Support view

### V. 0.4.0

Cfet2Remote:

* + - HTTP module websocket event support
    - View support websocket event

### V. 0.5.0

Core:

* + - Basic metadata probing and providing
    - Default status for things
    - Support user provided metadata

Remote:

* + - http module Metadata in JSON-Ld
    - View support metadata

## Production release

### V. 1.0.0

Cfet2App

* + - Dynamic config
    - More useful thing and hardware support

## 2018 and beyond

### V. 1.1.0

Remote:

* + - Authorization and authentication
    - Permission control for remote access

### V 2.0.0

Core:

* + - Permission control

Remote:

* + - Migrate to core permission control