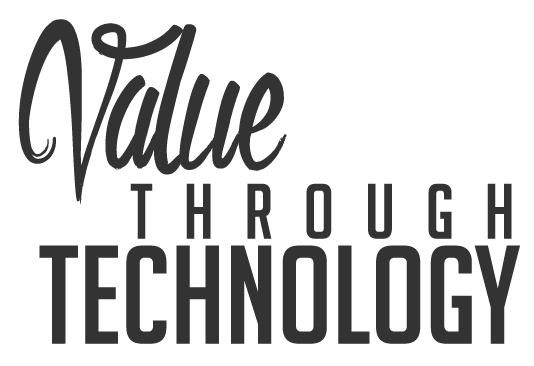
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Generated by: Aaron Christian Arredondo Davis (AADV)

Predix Web App Documentation

**Front-End (UI)**

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Data Classification: Private

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|  |  |
| --- | --- |
| Audience / Viewership | Purpose |
| Developers / Configuration Team | Describe microservices and configurations required. |
|  |  |
|  |  |

Revision Chart

The following chart list the revisions made to this document. Use this to describe the changes and additions each time this document is re-published. The description should be detailed as possible and include the names of the reviewers who request the changes.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Version No. | Version Date | Types of Changes | Owner/Author | Date of Review / Expiration |
| 1 | 06/28/17 | Create | Aaron Arredondo | 06/29/17 |
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1. Purpose

How to configure the UI Application with the Predix services, in order to push the app to the cloud or running locally.

1. Configuration Files

Here we have the path file which need to be modified in order to set the Predix instances (UAA, TimeSeries, Redis, Assets) and the microservices.

* /<rootname>/server/localConfig.json
* /<rootname>/server/app.js
* /<rootname>/server/routes/proxy.js
* /<rootname>/public/elements/seed-app/seed-app.html
  1. **localConfig.json File**

Here you need to modify the two base64ClientCredential values. Change the value of the tag uaaURL. If you are using Assets, enter the value for assetURL. The backend microservice is named redisServiceURL, enter the new value.



* 1. **app.js File**

The predix-webapp-starter Express web application includes these features:

* Routes to mock data files to demonstrate the UI.
* A proxy module for calling Predix services such as asset and time series
* Passport-predix-oauth for authentication, and a sample secure route.

If you need to modify the endpoints and the name of your micro-service. Then you have to change the following code:



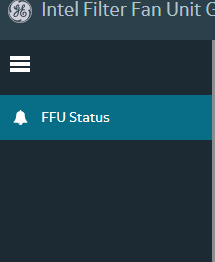
* 1. **proxy.js File**

This module can be used to set up reverse proxying from client to Predix services. In order to modify the POST method used to request data from the microservice, you will need to modify the following code:

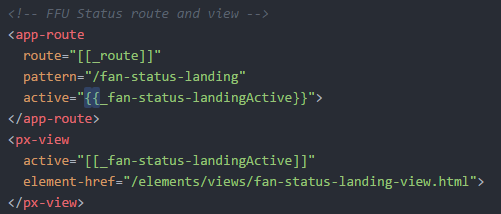


* 1. **seed-app.html File**

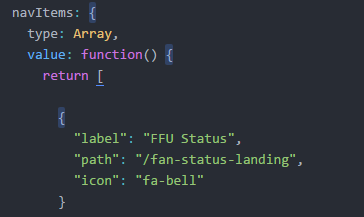
In order to add routes (views) and tabs to your application (according with the following image).



You can add the routes in this file, e.g.:



If you want to modify the name or icon tab, change the property navItems:



1. Running the app locally

The default gulp task will start a local web server. Just run this command:

gulp

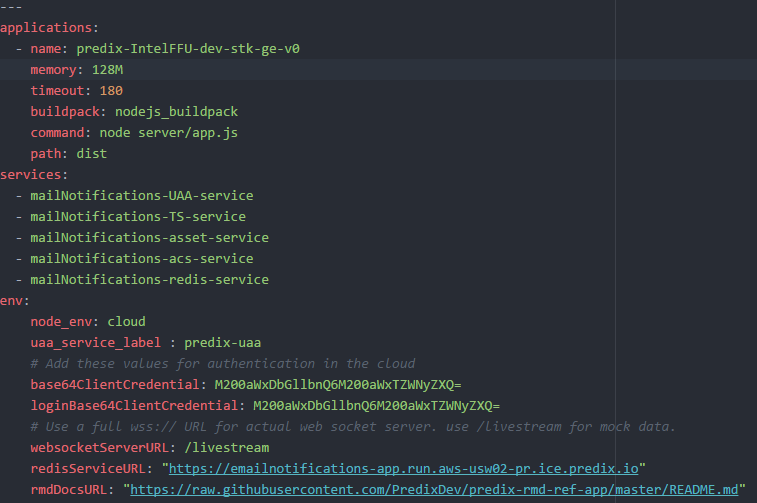
Browse to [http://localhost:5000](http://localhost:5000/). Initially, the app will use mock data for the views service, asset service, and time series service. Later you can connect your app to real instances of these services.

1. Push to the cloud

Pushing (deploying) to a cloud environment requires knowledge of the commands involved and a valid user account with the environment. GE uses Cloud Foundry for its cloud platform.

* 1. **Update manifest.yml**

Change the name field in your manifest.yml. Uncomment the services section, and change the names to match your service instances. Uncomment the two base64ClientCredential environment variables and enter the correct values for your UAA clients. You need to change the value of the microservice backend named redisServiceURL.

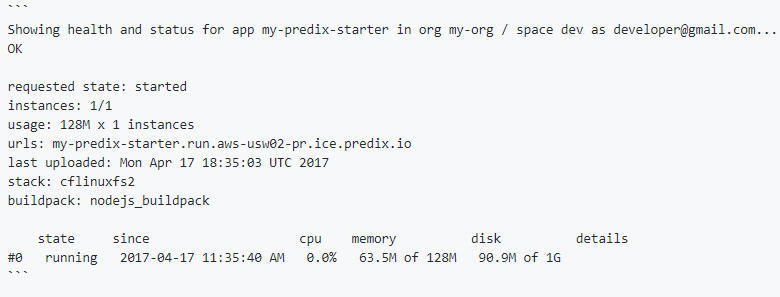


* 1. **Push to the cloud**

cf push

* 1. **Access the cloud deployment of your Starter application**

The output of the cf push command includes the URL to which your application was deployed. Below is an example:



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