1. Purpose

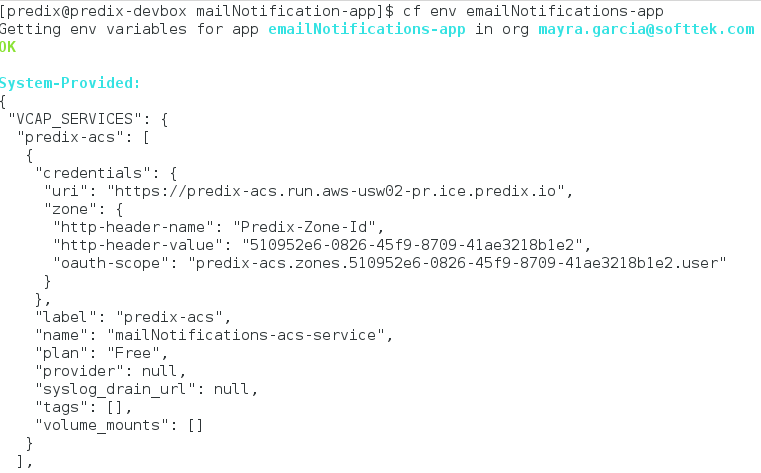
How to configure microservices and how to modify configuration files in order to install app.

Installation Steps:

1. Open cmd Prompt and CD to the Micro App folder (IntelUI\_Backend)
2. Type the Command < mvn clean package >
3. Bind Predix Services to the App
4. cf bind-service <your application> <your serve> (It´s necessary to bind app and all services)
5. cf env <appName> (in order to check services and configurations)

It´s neccesary to create a client and give it the correct scope and grants, you can achive this with the dashboard help (https://predix-starter.run.aws-usw02-pr.ice.predix.io/)

1. Locate and open the Manifest.yml file
   1. Enter the appropriate information for each <info> section in the filed as prompted by the file. See below for example:
2. Type the command cf env <your app name>
   1. The following information will appear





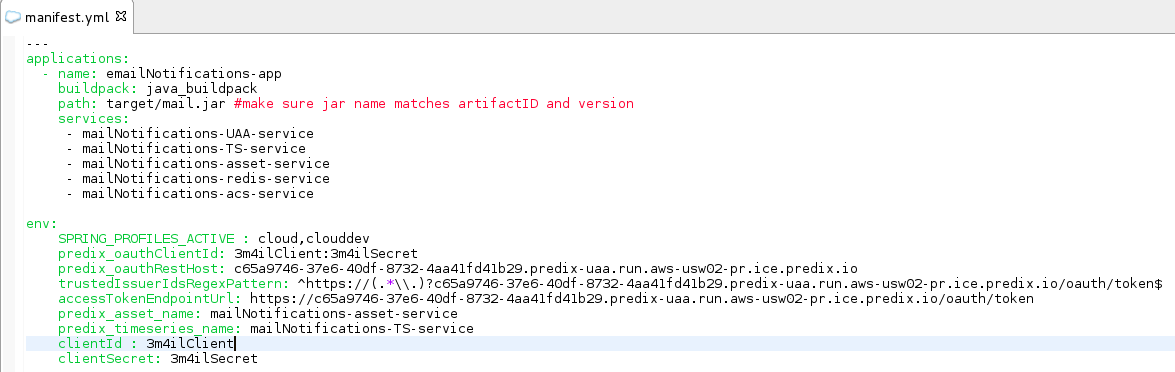


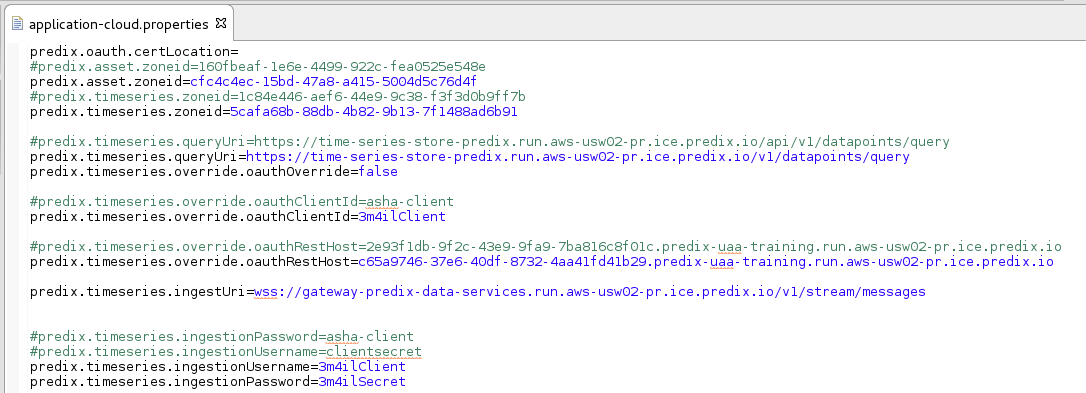
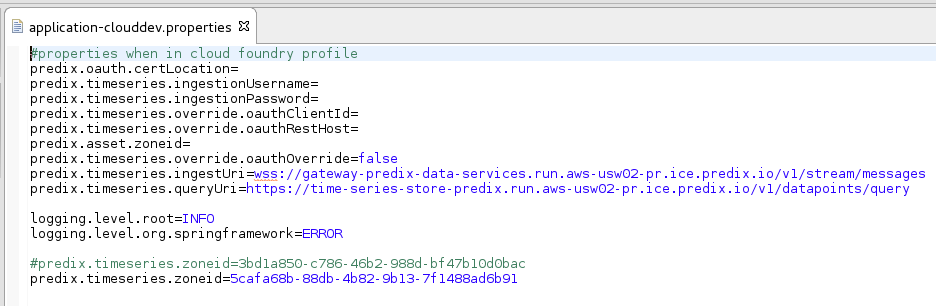
1. Use the Information from the application env output (similar to the above) to modify each of the following configuration files with the appropriate information:
2. Modify Configuration Files

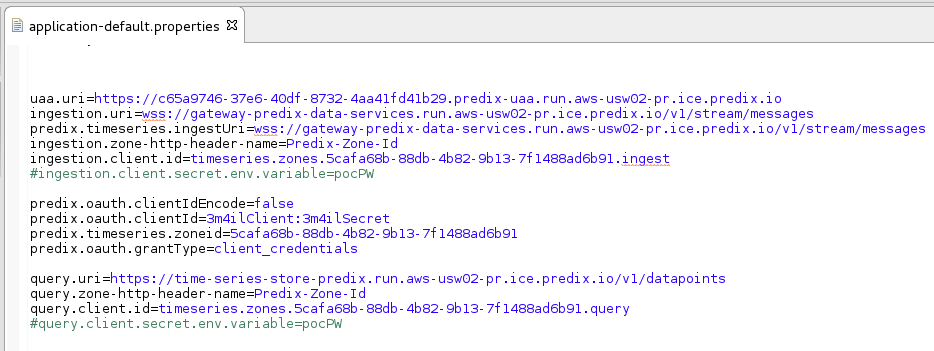
Here we have the path file which need to be modified to set the Predix instances (UAA, TimeSeries, Redis)

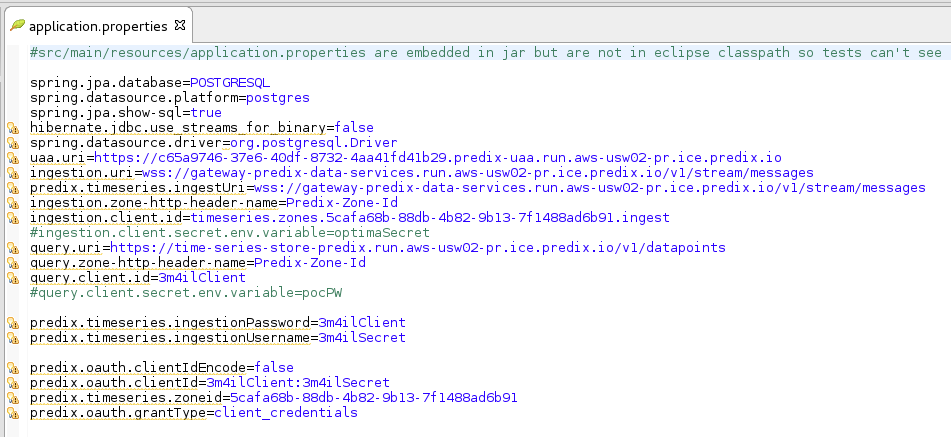
1. /mailNotification/src/main/resources/application-cloud.properties
2. /mailNotification/src/main/resources/application-clouddev.properties
3. /mailNotification/src/main/resources/application-default.properties
4. /mailNotification/src/main/resources/application.properties
5. /mailNotification/src/main/resources/config.properties
6. /mailNotification/src/main/resources/predix-timeseries.properties
7. /mailNotification/config/application.properties
8. /mailNotification/manifest.yml

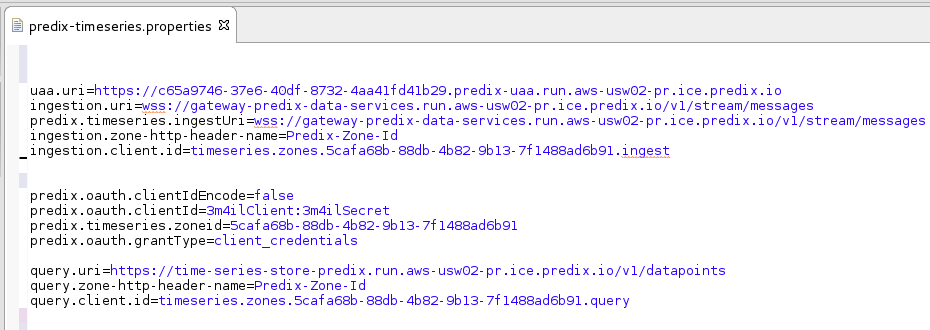
Configuration File Examples:

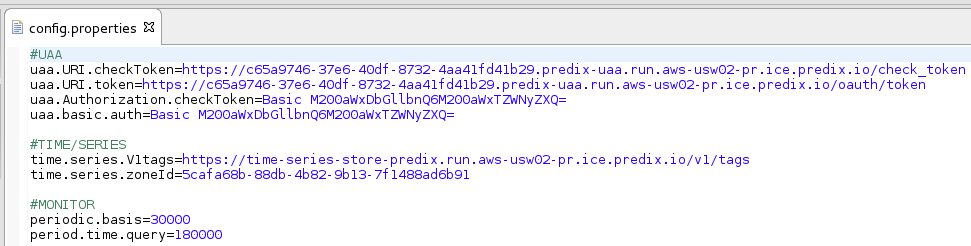












1. Here we have a brief parameters descriptions.

* #UAA
* uaa.URI.checkToken=https://<UAA>.predix-uaa.run.aws-usw02-pr.ice.predix.io/check\_token (URL from UAA where we can check a valid token)
* uaa.URI.token=https://<UAA>.predix-uaa.run.aws-usw02-pr.ice.predix.io/oauth/token (Here is your UAA instance)
* uaa.Authorization.checkToken=Basic M200aWxDbGllbnQ6M200aWxTZWNyZXQ= (This is the client:secret encode with base64)
* uaa.basic.auth=Basic M200aWxDbGllbnQ6M200aWxTZWNyZXQ= (This is the client:secret encode with base64)
* #TIME/SERIES
* time.series.V1tags=https://time-series-store-predix.run.aws-usw02-pr.ice.predix.io/v1/tags (This is the URL that is used to query all tags into TimeSeries)
* time.series.zoneId=5cafa68b-88db-4b82-9b13-7f1488ad6b91 (This is your Time Series zoneID)
* #MONITOR
* periodic.basis=30000 (This parameter indicates how long times series is consulted)
* period.time.query=180000 (This parameter indicates how long before present the time series is consulted) as interval.
* #Config File
* redis.host=10.72.6.31 (Your Redis database host)
* redis.port=40031 (Redis database port)
* redis.pwd=6972930b-afbf-453d-b016-0036d19d4ad9 (Redis Database password)
* #Format
* sdf.timeStamp=yyyy-MM-dd hh:mm:ss.SSS (formating)
* sdf.timeStampHMS= (hh:mm:ss) (formating)
* #TAGS
* tag.HFD=\_HardFailDetected
* tag.HBF=\_HeartBeat\_Fault
* tag.SFD=\_Soft\_Fail\_Detected
* filterTag.HFD=HardFailDetected
* filterTag.HBF=HeartBeat\_Fault
* filterTag.HB=HeartBeat
* filterTag.SFD=Soft\_Fail\_Detected
* #mail
* [mail.usr=phoenixffu@gmail.com](mailto:mail.usr=phoenixffu@gmail.com) (client email adress is used to send mails)
* mail.pwd=GEnotifications (client email password is used to send mails)
* [mail.dummyAdress=Kent.Peterson@ge.com](mailto:mail.dummyAdress=Kent.Peterson@ge.com) (dummy just for testing)
* [mail.adressListSF=marco.lopez@softtek.com,Kent.Peterson@ge.com](mailto:mail.adressListSF=marco.lopez@softtek.com,Kent.Peterson@ge.com) (Soft Failures email list)
* [mail.adressListHF=marco.lopez@softtek.com,Kent.Peterson@ge.com](mailto:mail.adressListHF=marco.lopez@softtek.com,Kent.Peterson@ge.com) (Hard Failures email list)
* mail.subjectHF= FFU HARD FAILURE NOTIFICATION \u2013 Gateway:
* mail.bodyHF= Edge Analytics have detected a possible Hard Failure of the Fan Filter Unit associated with
* mail.header=X-Priority
* mail.subjectSF= FFU Soft Failure Notification \u2013 Gateway:
* mail.bodySF= Edge Analytics have detected possible conditions leading to failure of the FFU associated with Gateway
* #monitor
* monitor.uri=https://emailnotifications-app.run.aws-usw02-pr.ice.predix.io/startMonitor
* #GATEWAY (This is the relation betwen Gateway and Area, if one gateway does not have area default area is used)
* default.area=No Area
* G990091=Area 01
* G990092=Area 02
* G670080=Area 03
* G690091=Area 04

1. Once Complete with the Configuration file update
   1. Return to the command Prompt and CD itno the top level directory of the application
   2. Type command <cf push>