

1. Login to the Predix platform using the credentials
2. Run Cloudfoundry marketplace command

```
Getting services from marketplace in org Yashwant.gangwar@pb.com / space dev as Yashwant.gangwar@pb.com...
OK
service      plans      description
business-operations  Beta      Monetize your service (in Beta) using subscription management, profitability analysis, and customer segmentation.
ie-environmental     Beta      Optimize operations and energy efficiency with environment sensor data (in beta).
ie-parking           Beta      Optimize operations and planning with vehicle parking data (in beta).
ie-pedestrian        Beta      Capture real-time and historical insights of pedestrian movement (in beta).
ie-positioning       Beta      Capture mobile device indoor locations with 10cm accuracy (in beta).

ie-public-safety     Beta      Obtain photo, video, and other media images to enhance safety awareness (in beta).
ie-traffic           Beta      Optimize operations and planning with vehicle traffic data (in beta).
intelligent-mapping  Beta      Enhance your asset and analytical data by visualizing and aggregating the data on a map (in beta).
logstash-2           free      Logstash 1.4 service for application development and testing
logstash-3           free      Logstash 1.4 service for application development and testing
logstash-6           free      Logstash 1.4 service for application development and testing
p-rabbitmq-35       standard  RabbitMQ is a robust and scalable high-performance multi-protocol messaging broker.
pitney-bowes-geoenhancement-service  Beta      Enhance location data with addresses, place names, business listings, and timezones using this beta service.
postgres            shared-nr  Reliable PostgreSQL Service
predix-acs           Tiered    Use this service to provide a more powerful framework than basic User Account and Authentication.
predix-analytics-catalog  Bronze, Silver, Gold*  Add analytics to the Predix cloud for use with the Analytics Runtime Service.
predix-analytics-runtime  Bronze, Silver, Gold*  Use this service to support elastic execution of the analytic orchestration.
predix-analytics-ui    Free      Use this browser-based user interface to upload, validate, and run analytics.
predix-asset         Tiered    Create and store machine asset models and instances.
predix-blobstore     Tiered    Use this binary large object storage (BLOB) to securely store large byte arrays and retrieve data using any file type.
predix-mobile        Tiered    Design, develop, and deploy Industrial Internet mobile apps that function independent of network connectivity.
predix-timeseries    Bronze, Silver, Gold*  Quickly and efficiently manage, ingest, store, and analyze data.
predix-tms           Tiered    Use this service to provision service instances for a tenant and provide runtime access.
predix-uaa           Tiered    Use this service for a full-featured OAuth 2.0 server.
predix-views         Standard  Control layout and components within your client-side web or mobile app.
redis-1              shared-vm  Redis service to provide a key-value store
redis-4              shared-vm  Redis service to provide a key-value store
riakcs               developer  An S3-compatible object store based on Riak CS
workFlow            Tiered    Rapidly build business workflows between apps using this service (in beta).

* These service plans have an associated cost. Creating a service instance will incur this cost.
TIP: Use 'cf marketplace -s SERVICE' to view descriptions of individual plans of a given service.
```

3. Create the instance of the service

The service is a UAA secured service and would need Predix UAA details.

<https://www.predix.io/docs/?r=166298#XpKGAdQ7-ao7Rnlco>

```
cf create-service <service_name> <plan> <my_instance> -c
'{"trustedIssuerIds":["<uaa_instance1_issuerId>"]}'
```

where:

- `<service_name>` is the name of the service in Cloud Foundry marketplace. Service name for LI API is pitney-bowes-geoenhancement-service
- `<plan>` is the plan associated with a service. Currently we have free Beta plan.
- `<uaa_instance_issuerID>` is the issuerID of your trusted issuer (UAA instance). For example, `https://13fa0384-9e2a-48e2-9d06-2c95a1f4f5ea.predix-uaa.grc-apps.svc.ice.ge.com/oauth/token`. You can use a comma-separated list to specify multiple trusted issuers. You can retrieve

this URL from the VCAP\_SERVICES environment variable after [binding your UAA instance](#) to an application.

#### 4. Bind the application

You must bind your application to your service instance to provision its connection details in the VCAP\_SERVICES environment variable. CloudFoundry runtime uses the VCAP\_SERVICES environment variable to communicate with a deployed application about its environment.

```
cf bind-service <your_app_name> <service_instance_name>
```

Verify the binding by entering the following command:

```
cf env <your_app_name>
```

Now the service is accessible via

<https://pitney-bowes-geoenhancement-service-basic.run.aws-usw02-pr.ice.predix.io/location-intelligence/geoenhance/v1>

Please note that the URL is accessible only within the application as the service requires UAA security.

API Base URL are:

- Address By Location /location-intelligence/geoenhance/v1/address/bylocation
- Place By Location /location-intelligence/geoenhance/v1/place/bylocation
- Points Of Interest By Location /location-intelligence/geoenhance/v1/poi/bylocation
- Timezone By Location /location-intelligence/geoenhance/v1/timezone/bylocation