**SAP Leonardo Machine Learning Foundation**

Version 1.0

**Part 1- Setup SAP HANA Cloud Platform for Leonardo**

**Objective**:

This is an Introduction to SAP Leonardo. In this Hands On exercise we shall see how to configure and setup SAP HANA Cloud Platform for Leonardo. By the end of this exercise we will know what services we need to incorporate in order to use Machine Learning API’s from SAP Leonardo

**Pre-requisite:**

* Intended audience are expected to know the basic work around of SAP HANA Cloud Platform.
* The audience should have a SAP HANA Cloud Platform (trial) account, If not please register and create a free trial account.

# Setup SAP Machine Learning on SAP HANA cloud Platform

|  |  |  |
| --- | --- | --- |
| Log on to HCP trial account. |  |  |
| Navigate to Cloud foundry from the SAP Cloud Platform Cockpit.  Click on “**cloud foundry Trial**” |  |  |
| Click on “**Entitlements**” tab.  Browse through the list of services that are entitled to |  |  |
| Locate “**ML Foundation Trial**” entitlement.  Click on the sub-account name under “**ML Foundation Trial**” entitlement. |  |  |
| Create a space for ML.  Click on **Spaces** tile on left hand side, under the sub-account.  Click on “**New Space**”. |  |  |
| Name the space as “**ML**” and select the roles “**space manager**” and “**space developer**”.  Click on “**save**”. |  |  |
| Assign some Quota to the space – “**ML**”.  Click on “**Quota Plans”** tile on the left. |  |  |
| Click on “**New Plan**”.  In “**Create Space Quota Plan**” page, name the quota as “**ML**”.  Assign a memory of 4GB (4096 MB).  Click on “save”. |  |  |
| Assign Quota plan “**ML**” to the space “**ML**”.  Change the “**Quota Plan**” under “**Plan Assignment**” of “**ML**” space from “Unassigned” to “**ML**” |  |  |
| Click on “**Spaces**” tile on left to see the assigned quota.  Click on “**ML**” Space. |  |  | |
| Click on “**Services**” -> “**Service Marketplace**”. |  |  | |
| Search for “**ML Foundation**”.  Click on “**ML Foundation trial beta**” service. |  |  | |
| Click on “**Instances**” tile on the left. |  |  | |
| Click on “**New Instances**” button. |  |  |
| In “**Create Instances**” popup keep everything as default and give “**Instance Name**” as “**ML-Foundation**”.  Click on “**Finish**”. |  |  |
| Click on the created Instance “**ML-Foundation**”. |  |  |
| Click on “**Service Keys**” tile on the left.  Click on “**Create Service Keys**”. |  |  |
| In the “**Create Service Keys**”, name the Service key as “**SK\_ML\_Foundation**”.  Click on “**save**”  Notice the service key being created. |  |  |