OIP Strawman Proposal:

Objective: This document describes the process to enhance and extend the scope of the Open Stack Foundation (OSF) to pursue emerging Infrastructure and required Software & Data to Integrate and test based on Research and Industry needs to collaborate in Open once a OIP Pilot is Approved by Board as per revised Bylaws dated Nov 12, 2018.

The OIP Projects are required to meet the Bylaws and established best practices with following proposed guidelines to be adapted by Board as OIP Governance Annexure(?)

OIP projects will reuse OpeStack bestpractices listed below.

4'Os [1] - O Source, O Community , O Design, O Deployment and follow Guiding Principles [2] plus follow a pattern similar to requitements for OpenStack Projects [3]. Any exceptions to refrrence [1,2,3] will be doumented in [4].

The prposed OIP pilot evaluations will be as follows:

Evaluating Matrix for OIP (MASTER plan):

M - Follow the Market (Market Marix) for new OIP proposals

A - Accept Assets and Resource plans of Stakeholders for an OIP Pilot with Delivery Timelines meeting OIP process guidelines.

S - Evaluate Source Matrix & Data Mangement aspects of OIP assets.

T - Evaluate Technology Matrix and Road Map of OIP E- Establish Environment needed & Engineering effort required to deliver the first Release and repeat it. R - Manage Release throug Community Resource and achieve Market ojectives agreed earlier and / or Retitre.

Working OIP Technical Committee will define [5] the 6 matrix listed as pipeline for OIP Life Cycle for Boards approval.

M - Market to target e.g. Edge

A - Assets to aquire e.g. Akraino

- S Source Eval Matrix
- T- Technology Eval Matrix
- E-Engineering Eval Matrix
- R-Relaese Matrix to Exit OIP LCM or Retire.

Some of the points that may be considered is listed herein.

M - Survey Emerging Markets, Emerging Infrastructure

Area, Potential Total Addressable Markets (TAM), Adjacencies and collaboration opportunity with LF and other Open standards and Organization such as **OpenStreetMap**, Unique Value Proposition for OSF, SP & Vendor backing.

Obtain Research reports from Global Standard bodies or SDOs to endorse, and expected ROI projected by Analysts.

A - Analyze and Assess Assets needed to meet new Markets. Pre-on boarding administration by OSF Board. Appointing TC members from SP and Industry to evaluate and report on possible risk, rewards, scope and opportunity for emerging Open Infrastructure. Additional Recommendations to board on compliance requirements by Industry solution it addresses and Incubation time to on boarding the OIP Pilot.

S - Build Source Matrix to include attributes like Lines of Code (LOC), Lines or Rows of Data *(ro D License, Libraries, Architecture, Modularity(Includes plugins/ drivers & Portability), Integration and Testing for user stories, DevOps and CI/ CD challenges. Evaluate new Open Licensing models for Data usage for emerging areas eg. Location, Space & Map Data

T - Evaluate Technology readyness and matutity to carry forward OIP process.

LTechnology viability and it's Validation by TC based

on Road Map and plan the Life Cycle Management of OIP Pilot to Deployment and Retiring it as Technology evolves.

E -Engineering efforts to onboard OIP.

R - Release the packages to build and deploy OIP in open source and let Industry to leverage it in Marketplace like other OpenStack projects.

Life Cycle Management of OIP stages is depicted as in digram below.

Pilot Stage : Follow MASTER matrix to qualify a OIP Pilot.

Evaluation : Evaluate as per Roadmap recommended by Evaluation Committee appointed by Board to Approve On boarding.

Onboard First Release: Follow and adapt OpenStack Project Guidelines to introduce new OIP release under OSF licence.

Release : Follow Release Cadence agreed to Match OpenStack Release cycle or define one that is flexible for new emerging Infrastructure.

Retire and Archive or Merge with existing OpenStack or OIP Projects.



Refernces:

[1] 40's: https://governance.openstack.org /tc/reference/opens.html?_ga=2.147552247
.1197921094.1542989549-658280085.1512267572
[2] Guiding Principles:

https://governance.openstack.org/tc/reference /principles.html?_ga=2.51083369.1197921094 .1542989549-658280085.1512267572 [3] Requirements of OpenStack Project : https://governance.openstack.org/tc/reference/new -projects-requirements.html [4] OIP exception Document. (T.B.D.). [5] Define OIP Master Plan (T.B.D.)

Glossary: OIP - Open Infrastrucure Project or Program LCM - Life Cycle Managemen LOC -Lines of Code T.B.D. - To be Defined or Decided MASTER - Market, Asset, Source, Technology, Engineering, Release Matrix or Matrics for OIP.

Last modified: 4:47 PM