

Annex-01

Use Cases 'including but not limited to' **OpenStack Use Cases**

1. **Architecture Validation Phase**
 - Review on Hardware and Network Planning.
 - Review on Storage Options.
 - Review on HA Options.
 - Review on BackUp Options.
 - Once options are reviewed and finalized, freeze on reference architecture. diagram for implementation.
2. **Design phase and Deliverables**
 - Delivery for this phase includes the HLD document / Solution Architecture document with Pre-Site checklist.
3. **Deployment Phase**
 - Deploying a OpenStack Platform based on architecture.
 - On-site environment validation.
 - Installing OpenStack based platform and related components.
 - Setup SDN and Network configuration using Neutron networking.
 - Deploying Three Node Highly available (HA) Controller Hosts.
 - Deploying compute nodes.
 - Deploying Storage nodes and configure storage cluster based on architecture.
 - Deploying Instance HA by configuring compute hosts according to the architecture.
 - Configure FC/SSD storage.
4. **Testing/Validation**
 - Create projects, users, network capabilities and virtual instances.
 - Install a demo application to verify the functioning of the virtual instance
 - Test high availability despite node failure.
 - Testing of Solution to be performed based on the use cases designed under discussion phase.
 - Once dry run is successfully completed, assist in Production Roll-out of Solution.
5. **Documentation/Knowledge Transfer**
 - Customer Site Specific Engagement Journal.
 - Completed checklist and HLD design Document.
 - knowledge transfer to the team as decided by ICTA.

CMP Use cases

1. **Information Gathering Discussions**
 - Infrastructure discovery and project objectives definition
 - Define CMP deployment design for Cloud infrastructure
 - Define classification taxonomy specific to Cloud environment
 - Define requirements for custom reports and dashboards specific to Cloud environment
 - Define user roles
 - Define infrastructure integration

- Define knowledge transfer requirements
 - Agree on key milestones for the project
2. **Configuration of CMP Infrastructure**
 - Import CMP for proposed Cloud infrastructure.
 - Implementation of CMP based on design in Item 1
 3. **Design and Implement Cloud project Classification Taxonomy for CMP**
 - Define Tag Categories, including Tags for each Category
 - Create and populate Tag Categories and Tags
 - Define auto classification requirements to drive policy creation so that resources classification can be automated
 4. **Define and implement Cloud project User Roles for CMP**
 - Define CMP Roles required to support CMP access control requirements designed in item 1
 5. **Implement Cloud project Infrastructure Integration's**
 6. **Define and Implement Cloud project Self-Service User Provisioning and Operations**
 - Creation of Self-Service user provisioning process
 - Creation of Self-Service component
 - Define and configure email notification process for Cloud VMs
 7. **Define, Create and Test Custom Reporting for CMP**
 - Gather and define Cloud specific reporting requirements
 - Build custom reports based on Cloud reporting specification
 - Implement tested and accepted reports in production CMP environment.
 8. **Define, Create and Test CMP Alerts**
 - Gather and define Cloud specific alerting requirements
 - Build up SMTP alerts based on event triggered policies as defined
 - Implement accepted alerts in Cloud production environment
 9. **User Acceptance Tests**
 - User Acceptance Tests for Cloud reports (Item 7)
 - User Acceptance Tests for alerts (Item 8)
 10. **Knowledge Transfer Workshop**
 - Knowledge Transfer of CMP

SDN Use Cases

1. **Implement on-demand services**
2. **IaaS and Single pane of glass**
3. **Provide policy-based security and traffic isolation**

Further areas can be discussed during “Architecture validation phase”.