

Government Opensource Cloud

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Introduction

G-Cloud is a new central government cloud project aimed to providing service to the public entities in Oman. G-Cloud project was envisioned to setup a shared infrastructure including server, network, storage, applications where all government entities IT infrastructure requirements are met. Having G-Cloud in place, ministries can focus on their core business, reducing the IT budget, increasing their agility and providing the public e-Services at higher efficiency.

OBJECTIVES

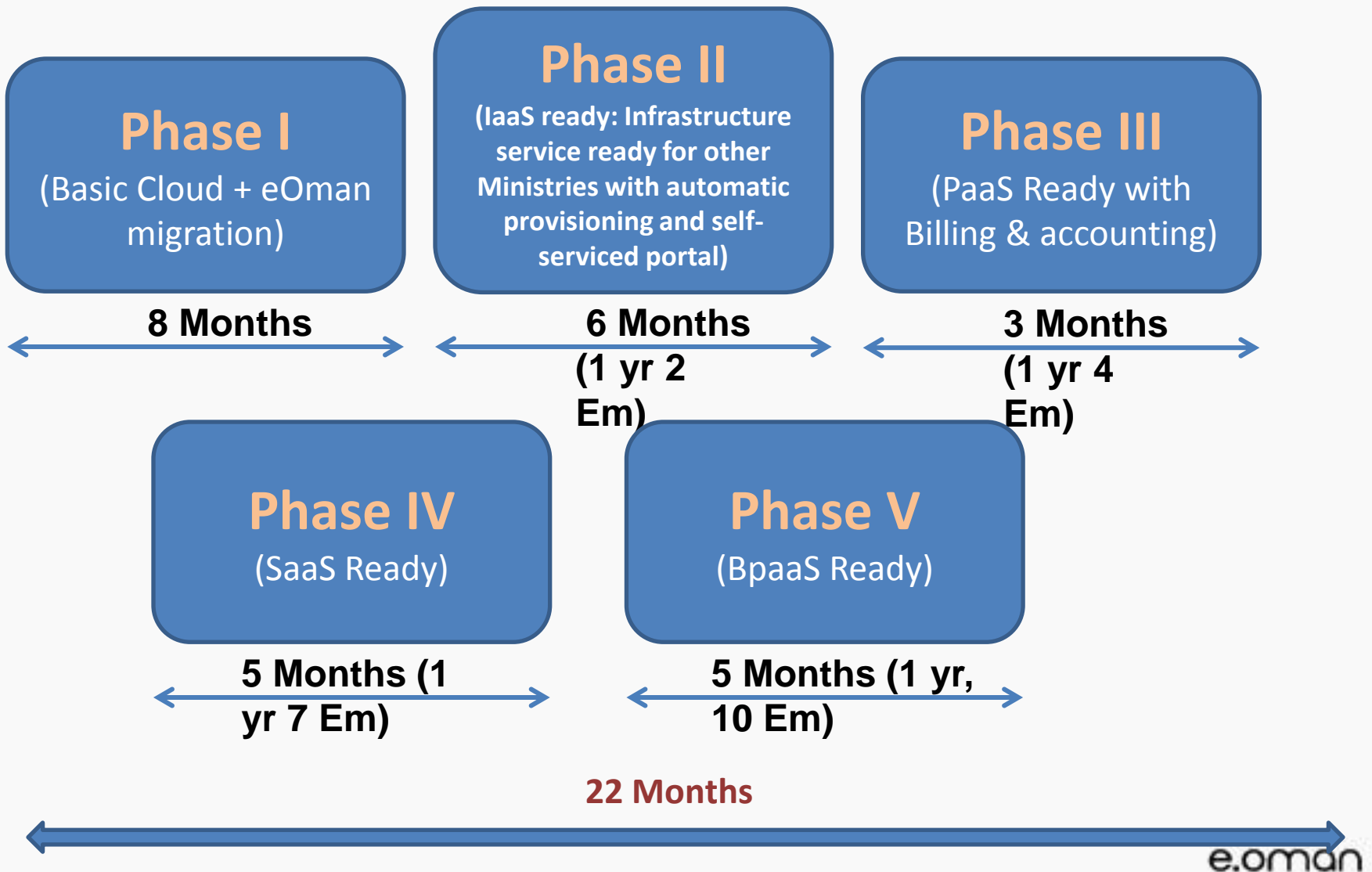
- To provide shared infrastructure to government entities to host their services on a reliable platform offering reduced costs, improved security and scalability.
- G-Cloud shared infrastructure leads to efficient management and ensures that computing resources and the support connectivity infrastructure is adequately and optimally used.
- G-Cloud architecture to be based on Opensource to support Opensource direction of ITA.
- Will provide all three cloud service delivery model (IaaS, PaaS, SaaS)
- To Provide Completely automatic , dynamic provisioning of resources to clients .
- To Transfer Opensource development know-how , to local Omani resources .

Benefits



- Isolated and dispersed IT resources within Government entities are transformed to a centrally managed IT infrastructure.
- Insure a common infrastructure and data ownership for the cloud tenants, relieving involvement of third-parties.
- Simple and integrated management of resources for the customers
- Reduced IT budget load for Government Authorities.
- Fast and easy provisioning of e-Services.
- Improved Security for the Government IT environments.
- Allows Government entities to focus on their core business by insuring fast response and support of their IT requirements.

G-cloud Project Phases and Milestones



G-cloud project Current Status

- Gone live with Phase I (basic cloud implemented and eOman migrated).
- IaaS (Phase II) delivery will be ready from the month of March 2015.



G-Cloud Trainings

The training program was designed to address all the Opensource product aligned with the G-cloud product architecture.

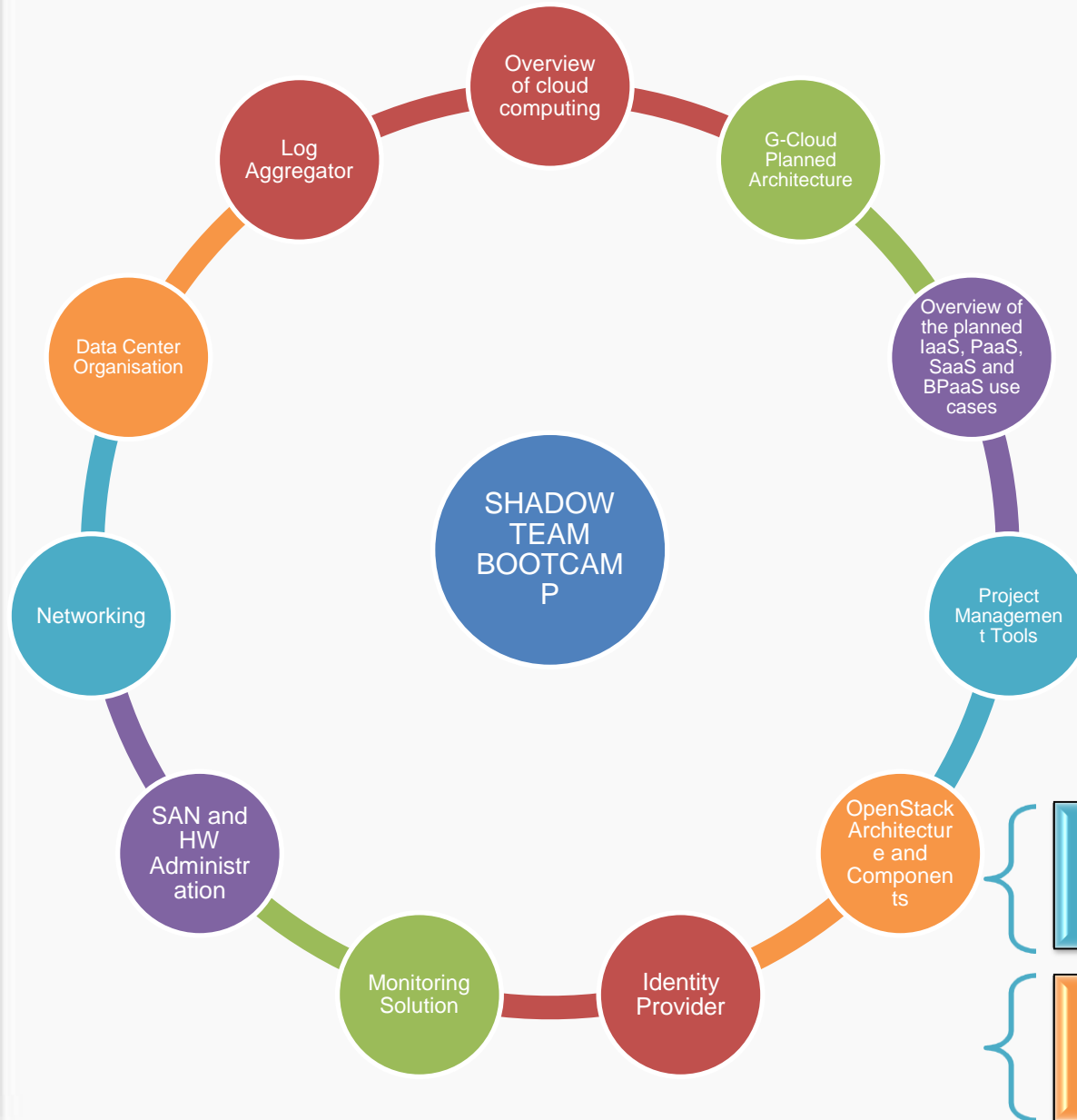
Training Topics
G-Cloud Virtualization Administration
G-Cloud Hardware Administration
G-Cloud Administration
G-Cloud Operations
G-Cloud User Training

Product Trainings
Red Hat Certified Training
OpenStack Administration
Liferay Administration
Certificate of Cloud Security Knowledge (CCSK)

G-Cloud Trainings



G-Cloud Bootcamp



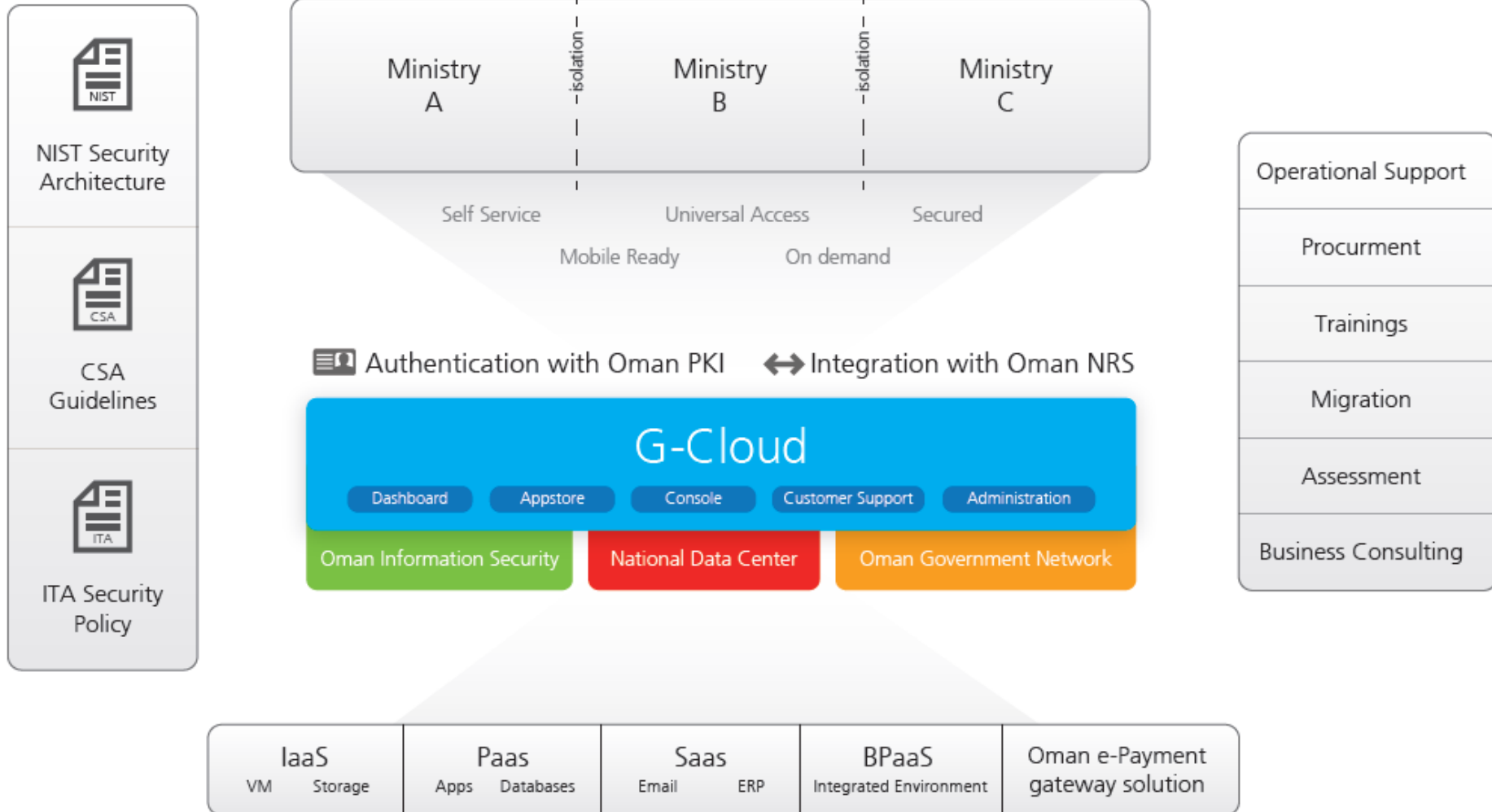
The goal of a shadow team bootcamp is to bootstrap the know-how of ITA team, which would shadow G-Cloud development and operations

Target Audience

- Development Team

- Operations Team

INTEGRATION OF G-Cloud WITH OMAN SERVICES



G-Cloud service offering

Business Process-as-a-Service

Integrated Environment

Integrated components for standard public sector needs. Target usage is quick setup of standard components for smaller entities.

Software-as-a-Service

Email service

Effortless setting up of domain mailboxes. Target usage is creation or replacement of customer specific mail domain.

Website and CMS

Easy setup and management of public and internal websites following common guidelines. Target usage is web-presence done right.

Product-as-a-Service

Pre-made virtual appliances for Oracle platform

Quick deployment of the development platform with pre-made components. Target usage is faster and more reliable deployment of custom applications.

Pre-made virtual appliances for IBM platform

Quick deployment of the development platform with pre-made components. Target usage is faster and more reliable deployment of custom

Infrastructure-as-a-Service

Virtual infrastructure (VM, networks)

Provisioning of the virtual machines, networks and storage. Target usage is migration of existing system, solutions requiring full customisation.

Self-service portal

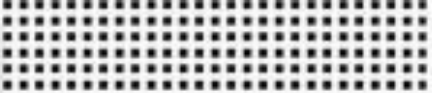
ITA G-Cloud is operated through a user-friendly web portal. Portal is based on the open-source framework and is integrated with Oman PKI and National Registry Services.



International Recognition

G-cloud got an international recognition at GITEX when it earned the **Best Virtualization Solution Implementation Award** in Africa, Asia and the Middle East







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Thank You