



Objective

To develop cloud commerce platforms that deliver seamless user experience in order to manage VM's, networks and cloud services within and across cloud platforms

Scope

- Introduced ESB and implemented it using Node.js
- Developed various interfaces with AWS, Amazon, VCenter, VcloudAir for exchanging VM information using SDKs and APIs
- Worked on billing data exchange from AWS & Azure (Showback/ChargeBack). Developed and maintained UI functionality in Backbone.js

Challenges

- Defined the right technical environment/platform for PMC, in a short amount of time, after evaluating various technologies
- Implemented heavy customization under very tight deadlines for Client BAH (Booz Allen Hamilton)
- While deploying PMC within the PSC product, we circumvented a lot of integration issues, with the environment, by a thorough understanding of the platform elements

Technology

Node.js, Express.js, Backbone.js, CSS3, HTML5, Bootstrap, Handlebars.js, PingFederate Federation Server, MariaDB, MongoDB, Cisco Prime Service Catalogue (Cisco-PSC), Cisco Process Orchestrator (Cisco-PO), GIT

Benefits

Exposure to

- Cloud concepts & various cloud providers along with their APIs
- End-to-end development of a cloud commerce platform with responsive design, implementation and deployment
- Represent & enable the Client to resolve technical issues for his clients in their respective environments.
- Single sign-on (SSO) using PingFederate Federation Server

Key features

- Introduction to ESB (Enterprise Service Bus, a middleware solution)
- Node.js for complete back-end management along with its integration with MariaDB & MongoDB
- External interfaces to AWS, Azure, Vcenter, Vcloud Air platforms for life cycle management of VM and cost reporting
- As a Technology Partner we assist the Client to choose the right technology, prepare quick POCs and publish comparison charts between tools / technologies
- Provide integration with Cisco products such as Prime Service Catalogue & Process Orchestrator

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