



Cloudify:

**Automating Operations for Applications and Network
Services using TOSCA Open Orchestration**



March 2018

Agenda

1. Introduction to Cloudify
2. Overview of Cloudify/ONAP strategy
3. Demo - Edge Orchestration with ONAP / Cloudify / Akraino
4. SEBA Provisioning
5. OSAM
6. OSAM & ONAP integration

About Cloudify



Leading Open Source Orchestration

Container Orchestration

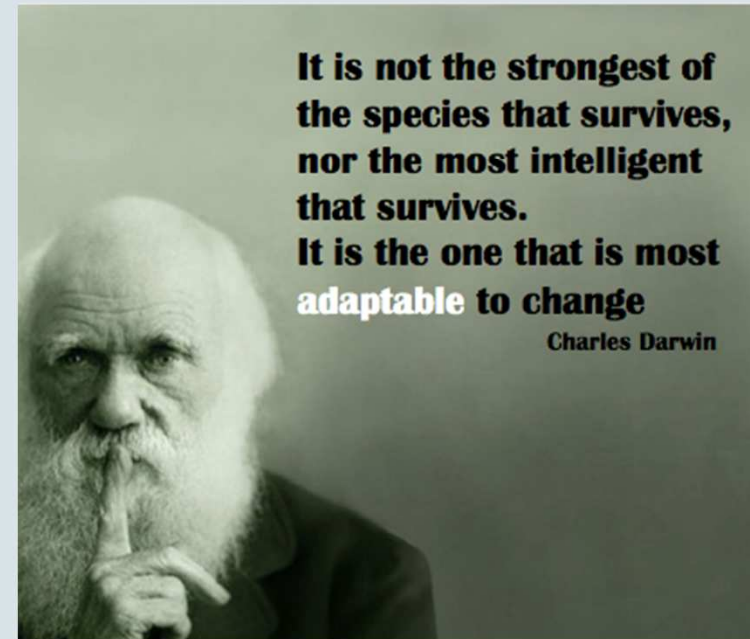
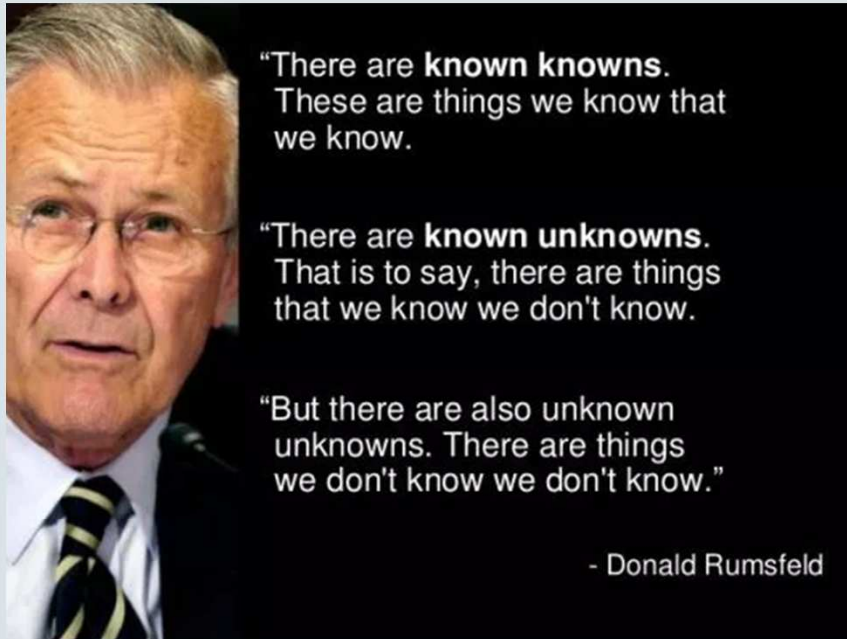


Network Orchestration



Open Source Ecosystem by the Linux Foundation

Change is the only Constant!



**Successful Cloud Native transformation depends on:
The speed in which you can adopt, integrate and automate new services**

The Cloud Transformation Disruption

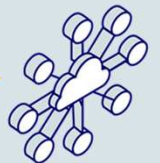
Virtual Machines

Containers

uServices

FaaS

...



80%

Respondents to a recent Ovum Global: IoT and Cloud survey saying they will be using hybrid cloud by 2019.

2 to 3

Ideal number of core cloud providers; companies are reluctant to be 100% reliant on a single supplier.

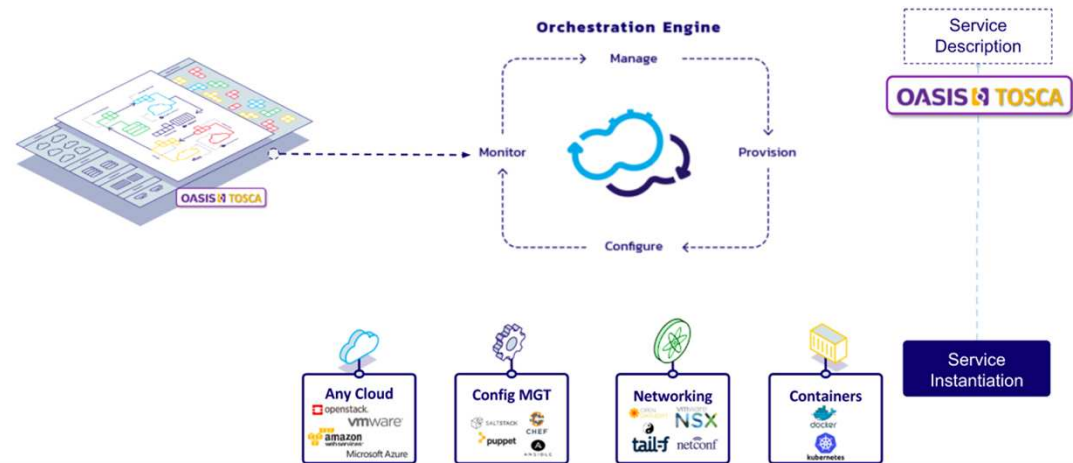
Cloudify - Multi Stack & Cloud Automation

❖ Automation / Orchestration First

- ❑ Intent based (Focus on What not How)
- ❑ Model/Service Driven Multi Cloud
- ❑ Model/Service Driven Automation
- ❑ Model/Service Driven Governance
- ❑ Model/Service Driven Networking

❖ Federated Model

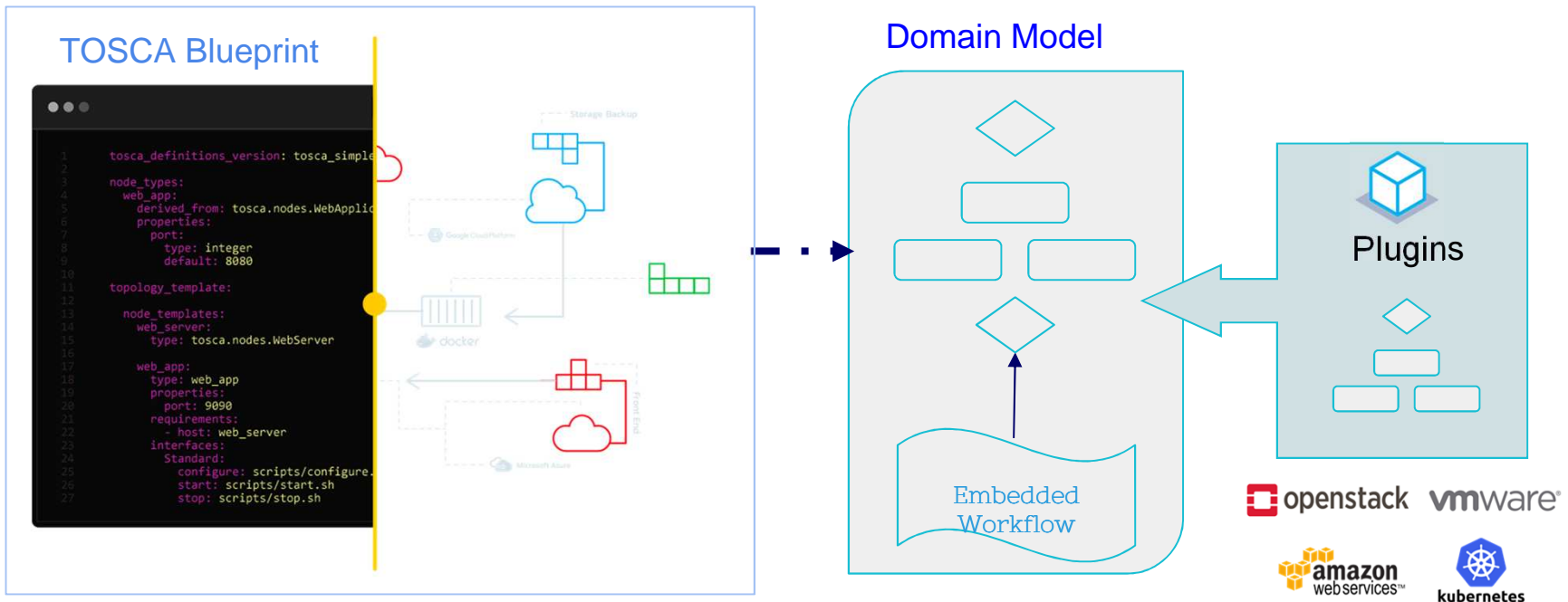
❖ Open Source , Standard



Automating the deployment, configuration and remediation of application and network services



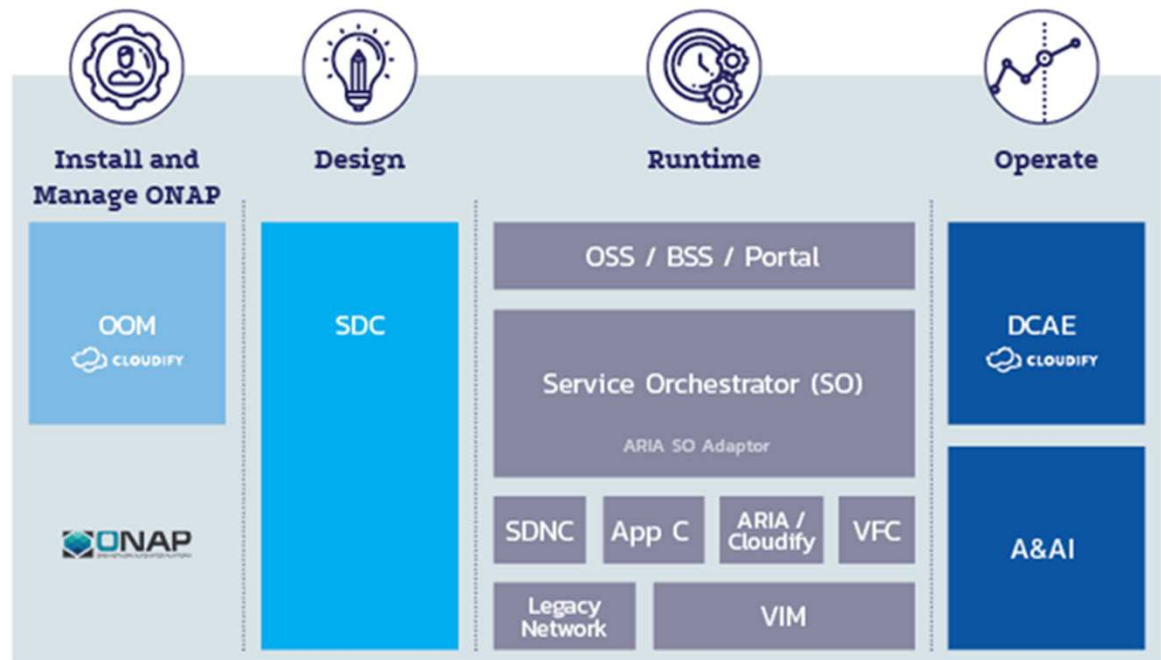
Model Driven Automation



Full Life Cycle Application Modeling and Automation

Cloudify & ONAP

- Founding Platinum Member
- Current contribution
 - SO (Cloudify/Aria)
 - OOM (Cloudify)
 - DCAE (Cloudify)
- Indirectly
 - Multi VIM



OSAM SEBA Management

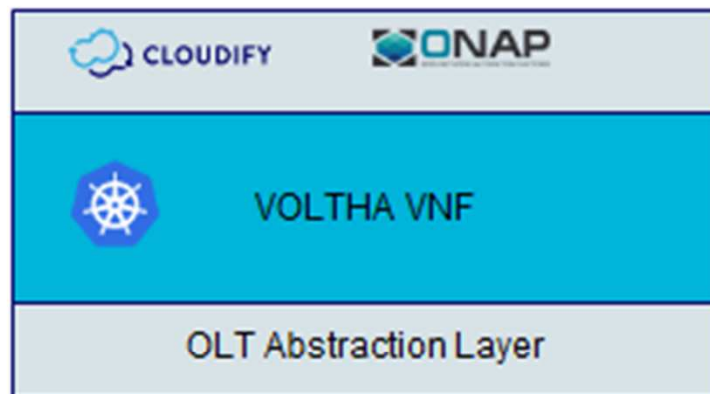
Production implementation of VOLTHA

Built on Open Source - ONAP, Kubernetes and Cloudify

Cloud Native

Add Production Grade Capabilities

- Scalability through federated architecture
- Security (encryption, multi-tenancy)
- Rich management and monitoring
- HA
- Whiteboxing framework and compatibility testing
- DevOps - Continuous upgrade, deployment





AI

Portal

Subscriber Management

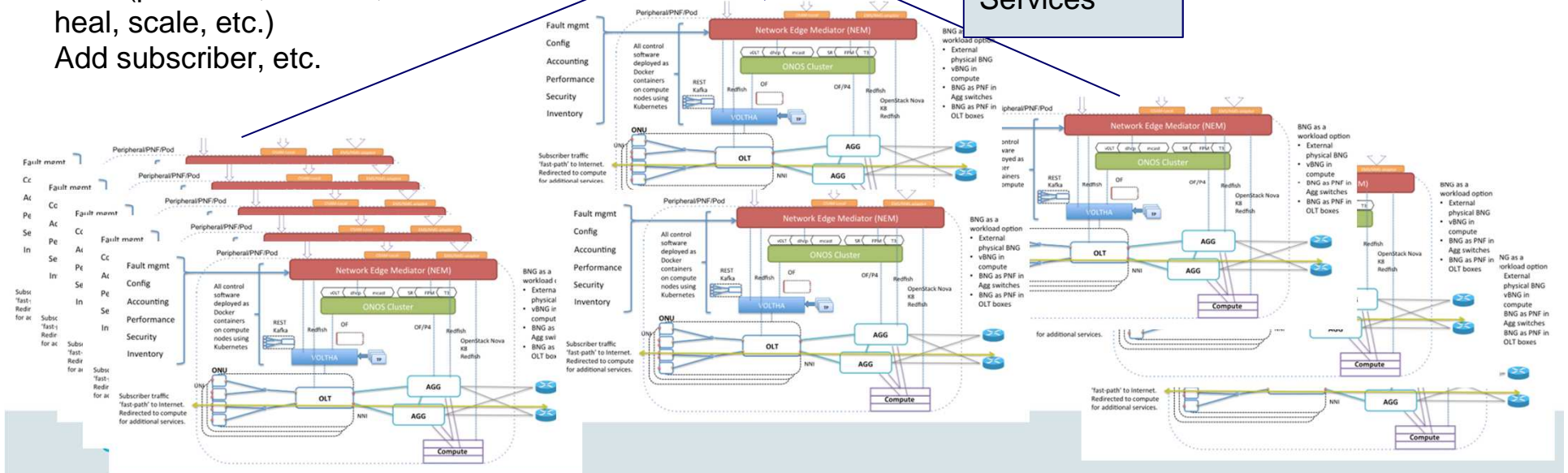
Service Assurance

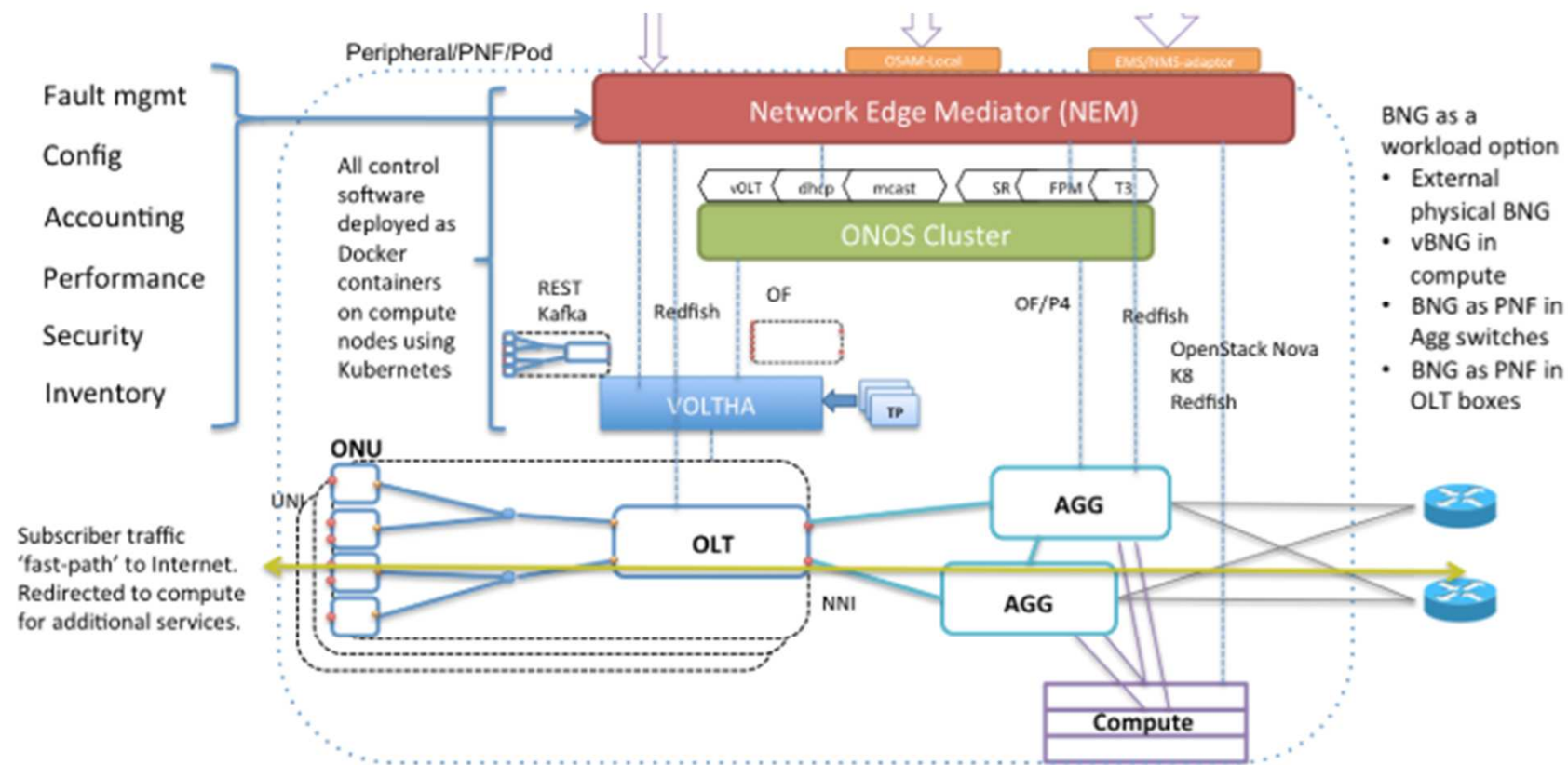


CLOUDIFY

Backend Services

vOLTHA Orchestration
 LCM (provision, monitor,
 heal, scale, etc.)
 Add subscriber, etc.







System map

Topology

Configuration

Tools

George Ella



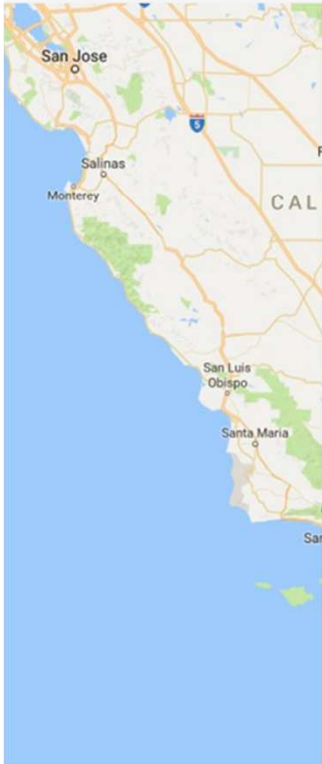
System map

Branches active / non active
160 / 2

Branches status
1 3 156

Alerts
4

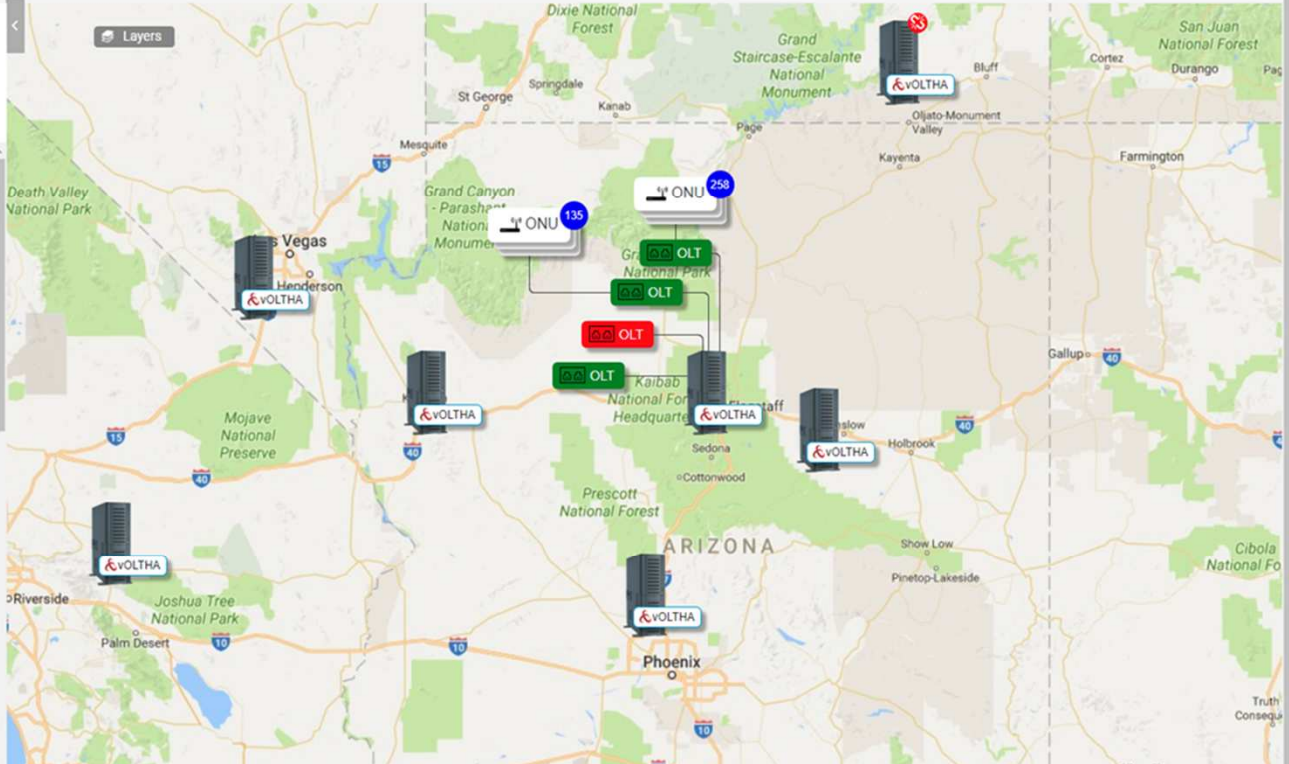
Alternate WAN links
2



Branches Catalog

Find branch

- Los Angeles | CA
 - SLA parameter: 89
- Chicago | IL
 - SLA parameter: 50
- Houston | TX
 - SLA parameter: 89
- Philadelphia | PA
 - Connect to HQ
- Phoenix | AZ
 - SLA parameter: 25
- San Antonio | TX
 - Connect to HQ
- San Diego | CA
 - Connect to HQ
- Dallas | TX
 - Connect to HQ



About Support Terms

