

BLOX FEST

Infoblox 

AWS

Agenda

- Challenges in AWS Hybrid Cloud
 - Migration
 - Compliance
 - Management
- Product demo
- Feature spotlight
 - API Proxy
 - License Portability
- Customer experience



Challenges in AWS Hybrid Cloud

Migration



Apps hosted across cloud are not interoperable

App migration to hybrid cloud is arduous, VMs across on-prem and AWS could not interact using FQDN

Compliance



Shadow IT complicating compliance

IT department loosing control and visibility due to LOBs bypassing their approval exacerbating compliance difficulties

Management



Lock-in with Cloud environments

Very little to no Hybrid cloud management for DNS and IPAM leading to isolated islands of Cloud

Migration

Problem

Maintaining same IP/network configuration schemes for your application

Takes too much time to migrate apps to AWS because of

- Rewrite your existing network/IP configuration scripts for AWS
- Learn new tools for managing AWS networks

Inconsistent network environments between on-prem and AWS

- Causes configuration errors and lost time in trouble-shooting
- Poor visibility since multiple tools have to gather network data for hybrid cloud

Extend Infoblox Grid in AWS for managing shared networks and zones across multiple AWS Regions

Uniform IP addressing and DNS naming for AWS VPC networks to reduce time-to-deploy apps



Compliance

Problem

Difficulty keeping track of resources on-prem and AWS

- Lack of tools to gather data from hybrid cloud on an on-going basis

Lack of automation tools across hybrid cloud

- Automation needs guardrails to control the automation

Difficulty demonstrating compliance with various standards

- Lack of security for EC2 instances

Audit IP Address DNS allocated to all EC2 instances in the hybrid cloud

Configurable DNS Firewall rules for securing AWS VPC resources



Management

Problem

Lack of unified visibility across Hybrid cloud

- Too many touch points

Device misconfiguration because of

- Manual and error prone change management processes

Inability to track changes

- No real-time tracking of VM provisioning and de-provisioning
- Unused network and IP addresses leading to higher OPEX

Cloud centric view of entire Hybrid cloud in a single console

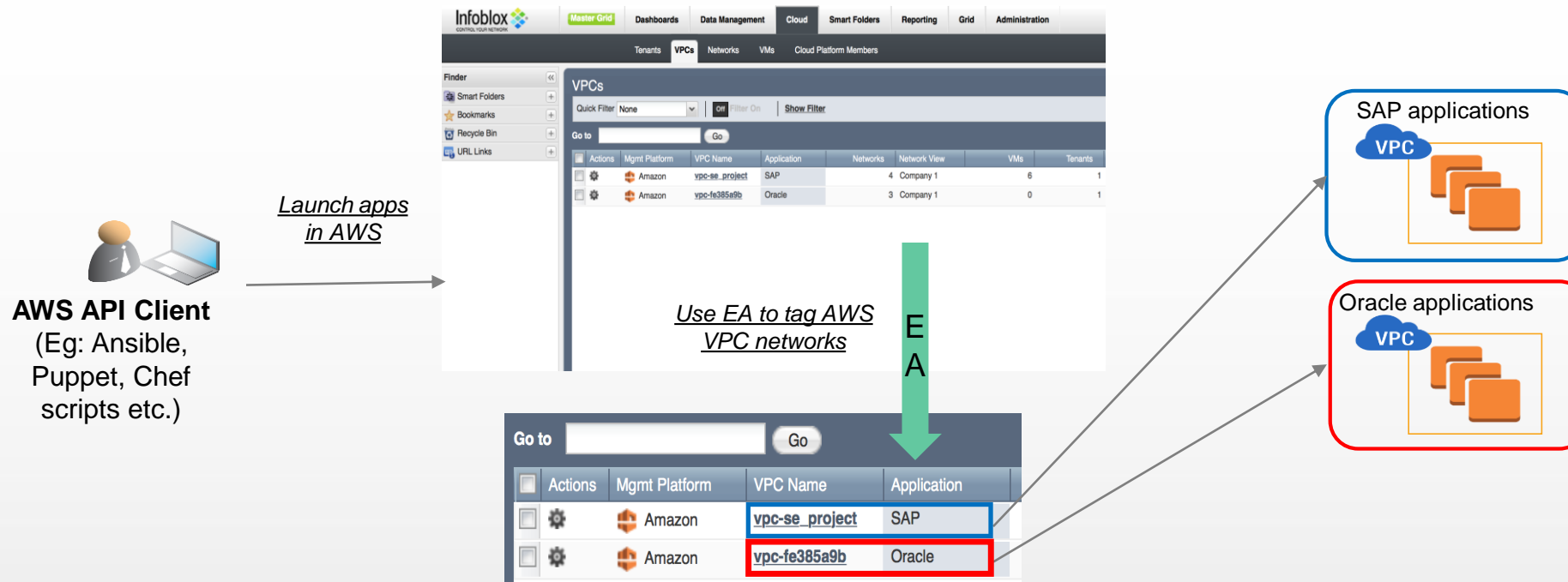
Automated IP and DNS provisioning of apps in AWS for faster time-to-market





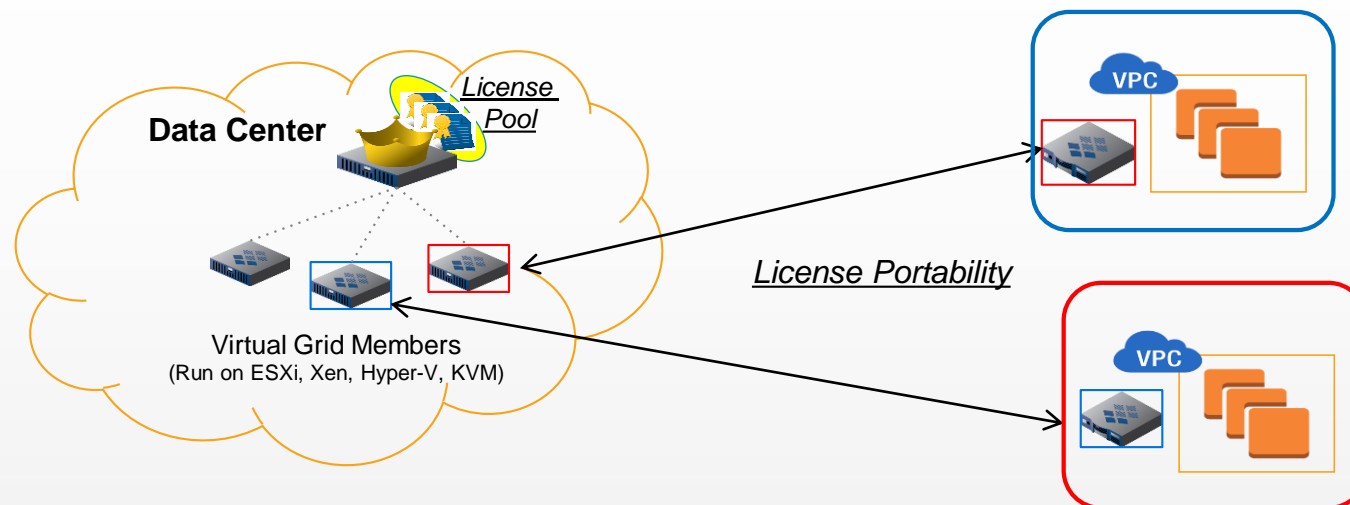
Demo

Feature Spotlight: API Proxy



- Use Extensible attributes (EAs) to govern EC2 instances launched are in compliance
- View new VPC networks and EC2 instances real-time in NIOS as they are launched in AWS

Feature Spotlight: License Portability



- Launch new grid members as needed elastically and assign licenses from a pool
- Move appliance license between Private & Public Cloud; no new SKUs for AWS members
- All license upgrades such as DNS FW/DTC (DNS Traffic Control) etc. are available on AWS Infoblox members



Customer Story: Cengage



Q&A

Thank You

