anuta netw⚫rks

Customer Profile

- Premier Energy company serving 750,000 subscribers
- Multi-vendor network with more than 2000 devices

Business Requirements

- Automate device and configuration management
- Automate service provisioning and management
- Network capacity planning
- Compliance with SLA

Technical Requirements

- Discover and configure greenfield and brownfield deployments
- Provision and Manage L2 and L3 VPN Services
- Generate Alerts on configuration or service drift
- Customize YANG models

Automated Service Discovery and Device Management

One of the world's premier clean energy company approached Anuta Networks to accelerate their network services delivery. The clean energy company which also provides managed services to many of its customers had a complex network infrastructure with 2000 network devices. The multi-vendor network includes switches, routers and firewalls from Cisco, Juniper and Huawei.

Companies providing managed services have several common requirements:
- Device provisioning and management for a large Multi-Vendor and Multi-Domain network
- Service Discovery, provisioning and management for brownfield and greenfield deployments
- Reconciliation capabilities to manage compliance with SLAs.

Key Considerations

- The overall networking solution should support many interfaces on thousands of devices spanning geo-distributed deployments, be highly redundant, work with multiple vendor equipment, leverage open standards - all managed through a single pane of glass.
- Automation software should have capabilities to onboard devices by retrieving values from CSV file or SQL queries to database
- Automation software should be able to discover greenfield and existing brownfield deployments and add or update services as required.
- Automation software should be able to generate alerts based on pre-defined thresholds and automate remediation steps upon approval from admin users.

Managed
Results Achieved

- Automated Device onboarding using REST APIs
- Brownfield service discovery
- Automated configuration drift remediation

Business Benefits

- 95% reduction in service provisioning time
- 80% OpEx reduction
- Eliminated manual operations
- Achieved SLA compliance
- Avoided network downtime

Why Anuta Networks ATOM?

Managed services network operators can provision devices and services faster, eliminate human errors, avoid security violations, reduce operating expense, and meet SLAs with exceptional high availability:

- ATOM is a microservices-based, web-scale networking architecture that can be deployed in Kubernetes clusters either in a local data center or a cloud-based deployment and scales horizontally to support an unrivaled 1 million+ devices.
- ATOM is a YANG based platform that comprises several different models including device, service, and telemetry models. The provisioning process is automated to minimize human intervention and eliminate errors.
- ATOM can detect various types of configuration changes and carry out predefined actions. Its closed loop automation remediation capabilities are significant, but organizations can customize the degree of automation based on comfort level.
- ATOM delivers a modular, extensible, scalable and cloud-native software platform that enables enterprises and service providers to design and provision network services, collect real-time telemetry, develop deep network analytics, ensure compliance, and provide service assurance.
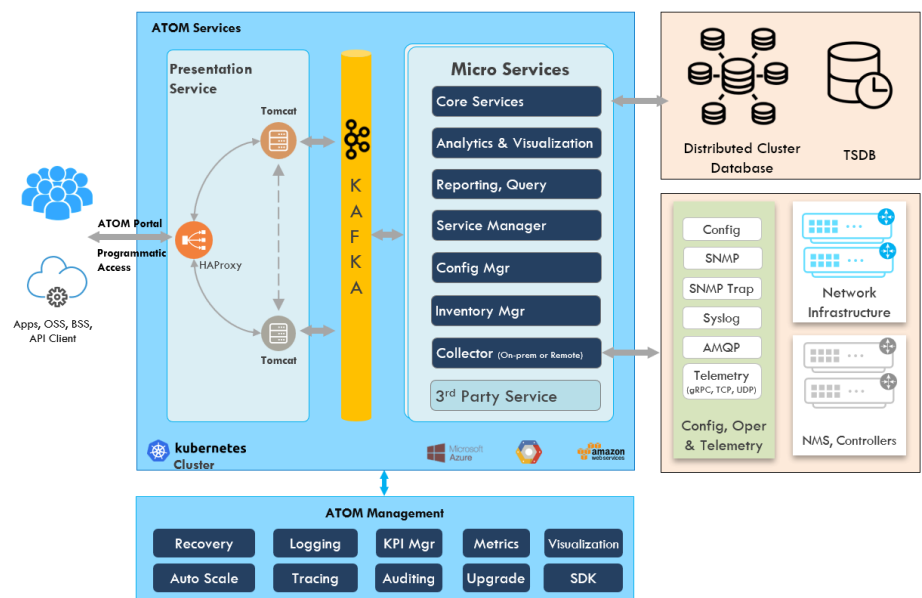
Customer Results

This particular managed services customer realized the following benefits by deploying Anuta Networks ATOM:

- Reduced service provisioning time by 95% with automation
- Reduced operating expense for network operations by 80%
- Eliminated manual errors and achieved SLA compliance