



Massive Scale Compliance & Workflow Automation

One of the world's largest media, entertainment and amusement park companies approached Anuta Networks to help them accelerate their IPv6 transformation. The conglomerate was preparing to launch their own Content Delivery Network (CDN) and transition to IPv6 to ensure future scalability. Their multi-vendor network infrastructure includes switches, routers, and firewalls from Cisco Systems, Juniper Networks, and F5.

Companies in this market segment share several common requirements such as:

- A need for device provisioning and management across a large and diverse multi-vendor and multi-domain network;
- The flexibility of a service discovery, provisioning and management process that can support both brownfield and greenfield deployments;
- Access to analytics & telemetry data to provide network insights in terms of latency and bandwidth;
- Reconciliation capabilities to manage compliance with SLAs;
- And workflow automation of repetitive tasks and procedures



Key Considerations

- Automation software should deliver service modeling capabilities to address dual stack IPv6 configurations on protocols such as BGP, MPLS/LDP, IS-IS, OSPF and EIGRP across multi-vendor/multi-domain routing infrastructure
- Automation software should discover greenfield and existing brownfield deployments as well as add or update services as required
- The solution should deliver workflow automation capabilities to manage network configurations and maintenance
- Automation software should be designed on open standards to enable customer DevOps teams to service model without the need for constant vendor support
- Any solution should provide configuration audits and reconciliation capabilities in order to detect out-of-band changes and raise alerts
- Automation software should be able to deliver Analytics-driven service

Customer Profile

- Leading multi-media entertainment company with \$60B revenue
- 10000+ multi-vendor, multi-platform devices

Business Requirements

- Automate IPv6 transformation across CDN
- Create an agile IT environment
- Multi-vendor, multi-domain orchestration
- Compliance with SLAs

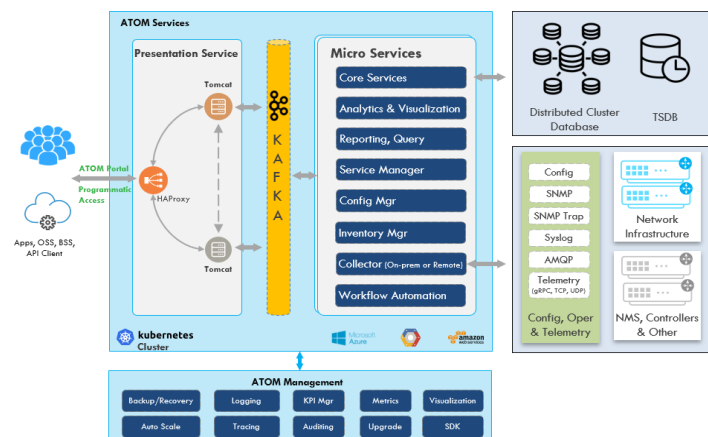
Technical Requirements

- Service modeling of IPv6 dual-stack configurations across BGP, MPLS/LDP, IS-IS, OSPF and EIGRP
- Automate existing MOPs with workflow automation
- Configuration of audits and compliance
- Analytics driven service assurance

Why Anuta Networks ATOM?

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 scaling horizontally to support an unrivaled 1 million+ devices
- ATOM delivers a modular, extensible, scalable, and cloud-native software platform that enables both enterprises and service providers to design and provision network services, collect real-time telemetry, develop deep network analytics, ensure compliance, and provide service assurance
- ATOM is a YANG-based platform that encompasses several different models including device, service, and telemetry. The provisioning process is also automated to minimize human intervention and eliminate errors
- ATOM delivers workflow automation combined with provisioning, telemetry, analytics, orchestration and closed loop automation - all the tools required to facilitate deployment, configuration, upgrades, and monitoring of network services thus eliminating repetitive task management
- ATOM SDK enables customer DevOps teams to create new service



Customer Results

This particular company realized the following benefits by deploying Anuta Networks ATOM:

- Single-click provisioning of IPv6 configurations on multiple routing protocols
- Configuration compliance through constant monitoring and reconciliation
- Consistent maintenance of SLAs from a latency and bandwidth perspective through the use of closed-loop automation

Anuta ATOM Advantages

- Delivers zero touch provisioning, workflow automation, analytics, reporting, remediation and assurance
- Support for 45+ vendors
- Microservices architecture scalable to 1 million+ devices
- Multi-cloud ready
- Compliant with open standards – IETF YANG, IETF NACM
- Flexible pay-as-you-grow pricing

Results Achieved

- Service modeling for one-click IPv6 network provisioning
- Automation of MOPs with workflow automation
- Automated configuration drift remediation
- Service assurance through analytics & telemetry
- DevOps enablement for service modeling with ATOM SDK

Business Benefits

- 90% reduction in service provisioning
- 80% OpEx reduction and manual operations with workflow automation
- 100% network uptime driven by analytics and telemetry
- Achieved SLA compliance