



Anuta ATOM: Assurance, Telemetry and Orchestration for Multi-Vendor Networks

Worldwide network operation teams are facing intense demands from both internal constituents and application owners for a flexible, secure and predictable infrastructure. Further complicating matters, operators are burdened with legacy infrastructure, broken processes, limited visibility and shrinking budgets.

Anuta ATOM uniquely addresses these pain points and delivers a modular, extensible, scalable and cloud-native software platform that enables enterprises and service providers to rapidly design and provision network services, collect real-time telemetry, develop deep network analytics, ensure compliance and provide service assurance for multi-vendor physical and virtual infrastructure. With ATOM, networking teams can deliver services faster, eliminate human errors, avoid security violations, reduce OpEx and meet SLAs with exceptional high availability.

Multi-Vendor Support

Anuta ATOM supports 150+ platforms from 40+ vendors. Anuta ATOM orchestrates brownfield and greenfield deployments of Physical, Virtual, SDN and NFV infrastructure across multiple network domains.

Closed-Loop Assurance

Anuta ATOM collects streaming telemetry from multi-vendor infrastructure using Google Protobufs. It applies machine learning algorithms to develop deep analytics and reports. The solution simplifies troubleshooting by providing the context of the entire network. Customers can define KPI metrics and corrective actions to automate SLA compliance.

Microservices Architecture

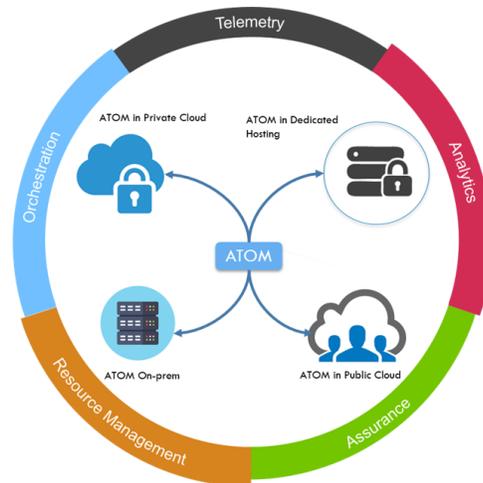
Anuta ATOM is composed of many microservices that can be scaled-up or scaled-down in public and private clouds. The Microservices architecture reduces overall system footprint and enables migration in a multi-cloud world. The flexible architecture scales horizontally to 1 million+ devices.

Features and Benefits

- Network Service Orchestration and Assurance for 40+ vendors provides one of the broadest industry coverage models
- Horizontally scalable to 1 million+ devices provides networking investment protection for the future demands of 5G, IoT and multi-cloud
- Streaming Telemetry using Google Protocol Buffers facilitates an open standard approach
- Real-time Analytics and Historical reports allow IT administration to course correct immediately and ensure a higher and more consistent QoS

Features and Benefits

- Dockerized to run on any cloud infrastructure including AWS, Azure, GCP provides customer deployment flexibility
- Microservices based Architecture with High Resiliency and Auto-Scale ensures scalability and reliability
- A powerful interface to define KPIs and corrective actions based on specific customer requirements
- Available as On-Prem and SaaS offering
- Flexible low monthly pay per use plans to minimize business risk with security, and availability provided by a Tier-1 Cloud Provider



- ✓ Resource Management
 - Brownfield Discovery
 - Day-0, ZTP and Plug-n-Play
 - Topology Discovery
 - Config Management
- ✓ Analytics
 - Query operational data
 - Integration with Grafana
 - Time Series DB
 - Predictive analytics with ML*
- ✓ Orchestration
 - Service Design
 - Service Chaining
 - YANG models
 - VNF Management
- ✓ Assurance
 - Compliance Validation
 - Interface for KPIs and actions
 - Security threat management
 - Traffic migration use-cases
- ✓ Telemetry
 - Model-Driven Collection
 - Google Protocol Buffers, gRPC
 - Integrates with InfluxDB, ELK
 - Sensors – BGP, Interface

Extensible Platform

Anuta ATOM uses extensible data models and follows open standards such as IETF YANG and OpenConfig models. The entire platform functionality is available via the REST API for integration with OSS/BSS and ticketing systems. Anuta ATOM has an SDK that simplifies overall development effort, introduces version control to treat the infrastructure as code and supports ongoing DevOps movement.

Powerful interface to capture Intent

Anuta ATOM includes a simple yet powerful interface to describe business intent along with key performance indicators and corrective actions. Soon, we will be able to deliver “Siri” like experience for Networking.

Cloud-Ready

Anuta ATOM is containerized and can be deployed in public clouds including AWS, Azure and GCP. ATOM can manage Small, Medium or Very large-scale networks in private, public and hybrid cloud environments. For licensing and trial details, visit

<https://anutanetworks.com/atom-overview>

Anuta ATOM SaaS

Anuta ATOM SaaS improves your team productivity with hassle-free deployments hosted in a Tier-1 cloud. You can experiment quickly and scale rapidly to achieve faster time to value and improved business agility. To get started with low monthly plans, visit

<https://anutanetworks.com/atom-saas>