



Transforming Connectivity with 400G Metro Network and ATOM EMS for Top DTH Provider in India

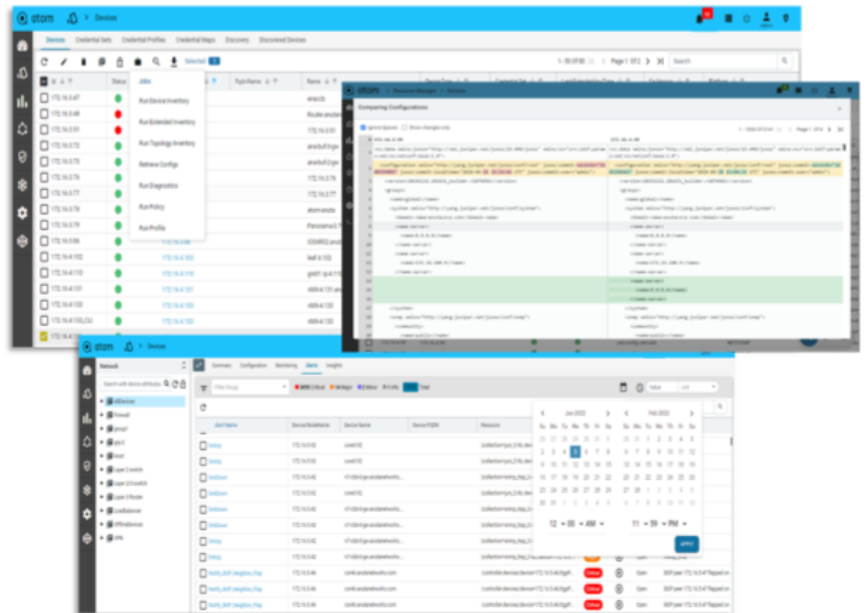
In response to the surging demand for high-speed Internet and the evolving landscape of hybrid work, a prominent Direct-to-Home (DTH) service provider in India, TATA Play, is making bold strides by deploying a cutting-edge 400G Metro Network. Opting for Juniper ACX 7100 and MX 480, the company has chosen ATOM to deliver essential EMS features such as device onboarding, configuration management, image upgrades, and compliance. With a keen focus on elevating customer experience, they aim to implement threshold-based alerts using ATOM's advanced alert correlation functionality. In the second phase, the plan is to expand ATOM's scope to automate service provisioning and workflows.

Customer Profile

- Company Tata Play Fiber
- Industry Service Provider
- Region APAC
- Products used ACX7100, ACX710, EX4650

Desired Architecture

- End-to-End Element Management System (EMS)
- Multi-Vendor Network Integration
- Policy-Driven Configuration Management
- Service Orchestration and Monitoring
- Security and Compliance Framework
- Low-Code Workflow Automation



Key challenges:

TATA Play Fiber envisioned a network architecture that is robust, scalable, and strategically aligned to address the evolving needs of its expanding customer base. The emphasis lies in creating a resilient infrastructure that can seamlessly accommodate the growing demands on the network. TATA Play Fiber aspires to leverage innovative solutions to ensure a seamless, high-performance, and future-ready network; however, these were the few challenges that it faced:

- Greenfield deployment complexity with ACX 7100 and MX 480.
- Disjointed operations due to multiple NMS tools.
- Requirement for threshold-based alerts to meet customer SLAs

Anuta's Solution

Anuta ATOM proved instrumental in addressing the network challenges through a comprehensive set of applied use cases. ATOM's EMS capabilities facilitated seamless onboarding, ensuring a swift integration process for new network devices. Configuration management became a streamlined process, enabling efficient handling of device configurations. Moreover, the solution successfully managed image upgrades and ensured compliance with industry standards.

ATOM implemented Configlets to simplify and expedite network configuration tasks, providing a low-code approach for efficient operations. Leveraging FCAPS (Fault, Configuration, Accounting, Performance, Security) capabilities, ATOM ensured end-to-end management of network elements. The implementation of alert correlation enhanced proactive monitoring, enabling rapid responses to potential issues—furthermore, seamless OSS integration allowed for a cohesive network management ecosystem.

“The 400G Metro network refresh helps us deliver differentiated services to 22 million DTH subscribers in India. Anuta ATOM EMS helps us manage the complex network with real-time analytics and control.”

- Principal Architect, Tata Play

Conclusion

ATOM addressed TATA Play Fiber's requirements and laid the foundation for an agile, automated, responsive network infrastructure. The successful implementation of these use cases demonstrates ATOM's adaptability and effectiveness in optimizing network operations for enhanced performance and reliability. TATA Play Fiber now operates within a cohesive ecosystem that ensures fault resilience, end-to-end configuration control, and proactive issue resolution, ultimately resulting in an elevated quality of service for its customers. It stands ready to meet the ever-growing demands of its customer base with a network infrastructure that is not only robust but also primed for future challenges and opportunities.

Anuta ATOM Advantages

- Complete EMS covering broad FCAPS capability, same-day support for new devices, task-specific user interface, etc
- Automated Software Image management
- Open & API-driven platform to integrate with ITSM and OSS/BSS tools
- Wizard-based device discovery and Zero-Touch Provisioning
- Proactive compliance management, ensuring accurate configurations
- Support for diverse services such as L2VPN, L3VPN, EVPN, etc
- Role-based access, vulnerability management, and industry-standard compliance
- Intuitive interface and low-code workflow automation

Business Outcomes

- A single source of truth for network configuration
- Auto-generated configurations with templates
- Planned expansion to service orchestration and workflows