

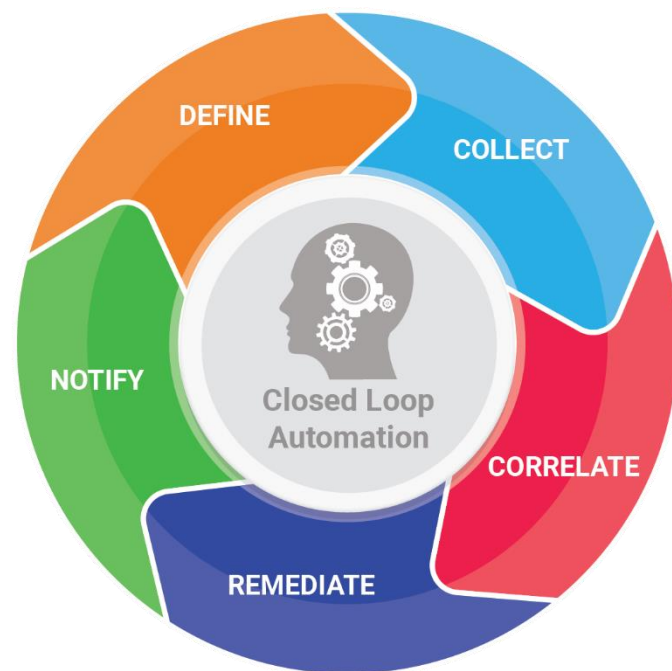
Anuta Networks ATOM Closed Loop Automation

Delivers Smart & Self-Healing Networks

Benefits of ATOM Closed Loop Automation

- Increase network visibility & awareness
- Build more predictable networks
- Automate redundant troubleshooting techniques
- Reduce risk & ensure continuous compliance
- Improve MTTD & MTTR in any network environment
- Realize consistent problem resolution
- Reduce OpEx

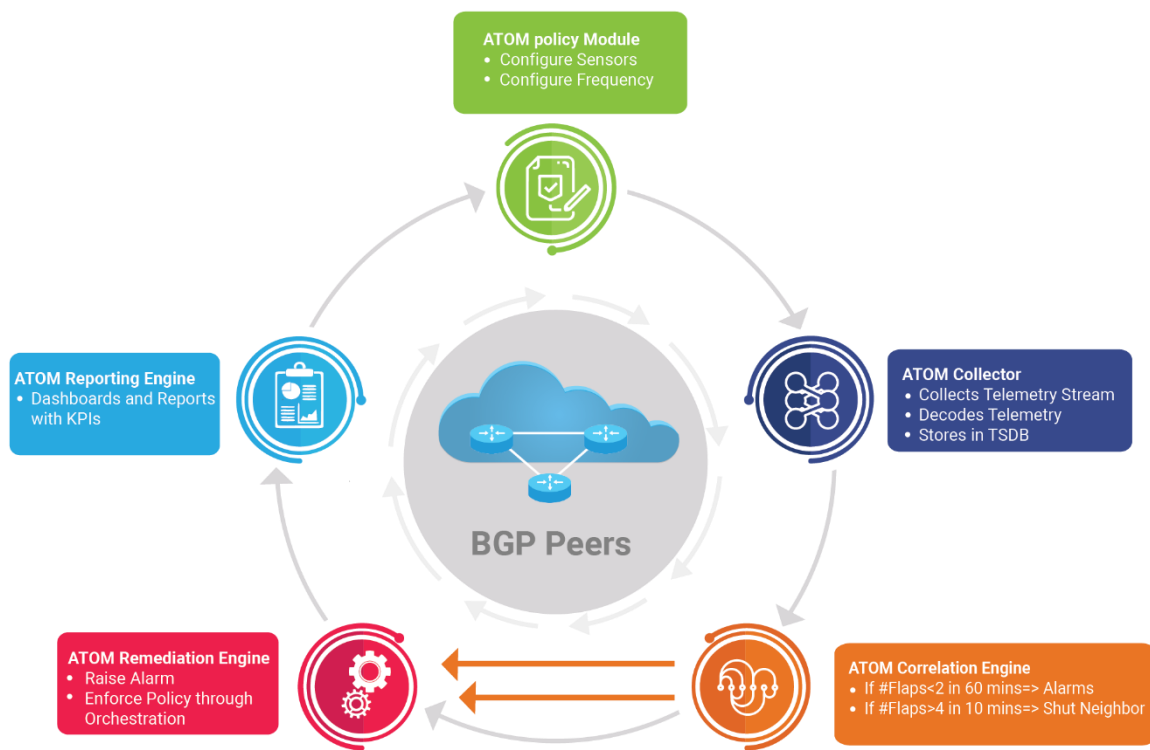
Automation is a strategic consideration to most organizations today. It enables operational efficiency and rapid service delivery. Organizations are also looking beyond Day-0 and have a desire to eliminate manual and time-consuming troubleshooting techniques. However, legacy automation tools tend to be open-ended and fail to ingest the required information to take remediation action.



Closed Loop Automation (CLA) is the most efficient and disruptive way to automate well-known and defined troubleshooting techniques in large and complex networks.

Anuta Network’s ATOM Closed Loop Automation platform offers organizations a framework to baseline network behavior, collect feedback, and take remediation actions to ensure the highest level of service assurance in dynamic network environments. It also allows organizations to take that first step towards self-healing and autonomous networking thus facilitating a focus on improving productivity and digital transformation.

Put your troubleshooting steps to rest



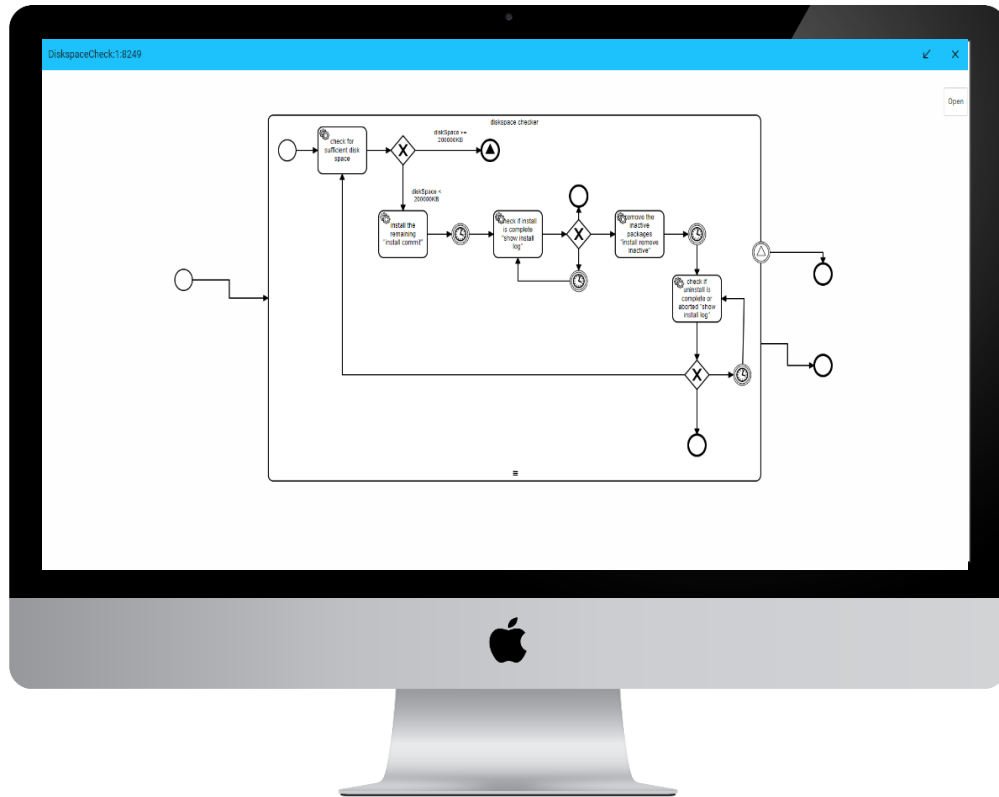
Network administrators typically follow a common set of procedures during a network or service outage. Given today’s massive scalability requirements and multi-vendor networks, it is a near impossible task to manage devices and analyze thousands of alarms over short periods of time to identify root cause and diagnose underlying problems. Subsequently, ATOM Closed Loop Automation offers organizations a solution to auto-remediate well-known issues & ensure compliance by proactively monitoring and detecting anomalies in a network. In the example above, based on the number of changes in the neighbor state, BGP neighbor flaps can be remediated by alerting or by shutting down the neighbor.

Trigger ATOM CLA with analytics & telemetry support



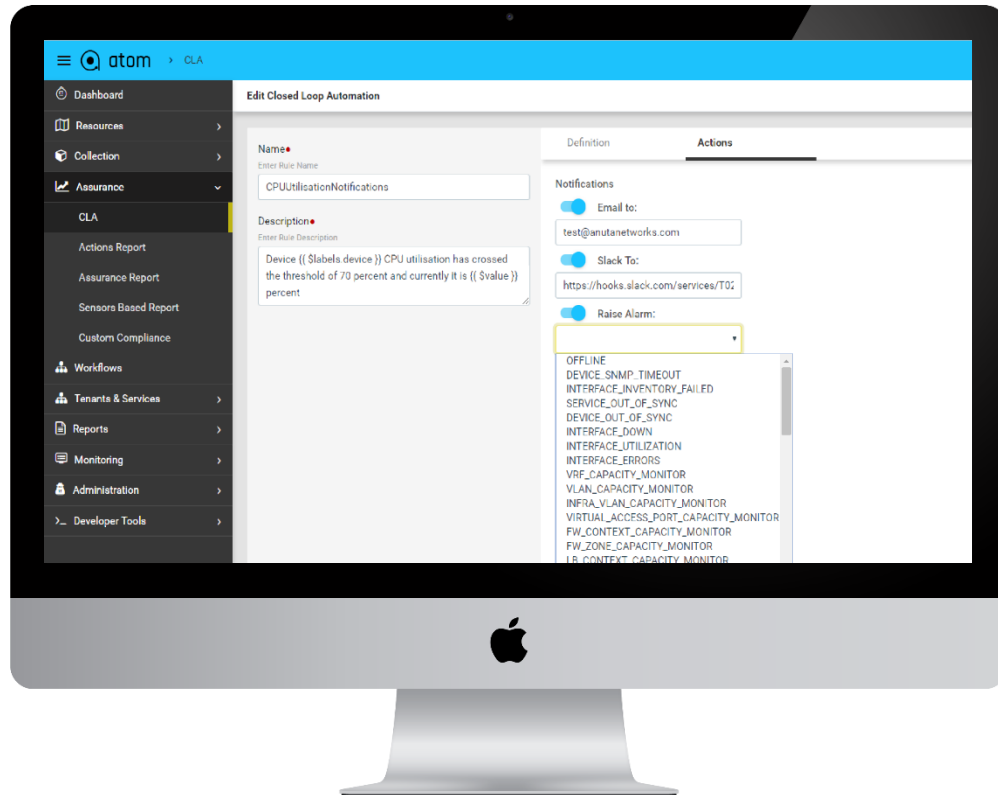
Analytics & telemetry are key features within the ATOM platform. It can ingest operational data from disparate sources and derive deep insights from complex networks. ATOM provides a flexible framework for network architects to customize thresholds, triggers and notifications. ATOM's analytics & telemetry can also function as the trigger that guides CLA to facilitate repair by combining both features of ATOM into a single and closed loop offering. For example, within ATOM an IP SLA data from a latency hit network can trigger a CLA to push configurations to re-route the traffic to meet service level agreements.

Trigger ATOM workflow with closed-loop automation



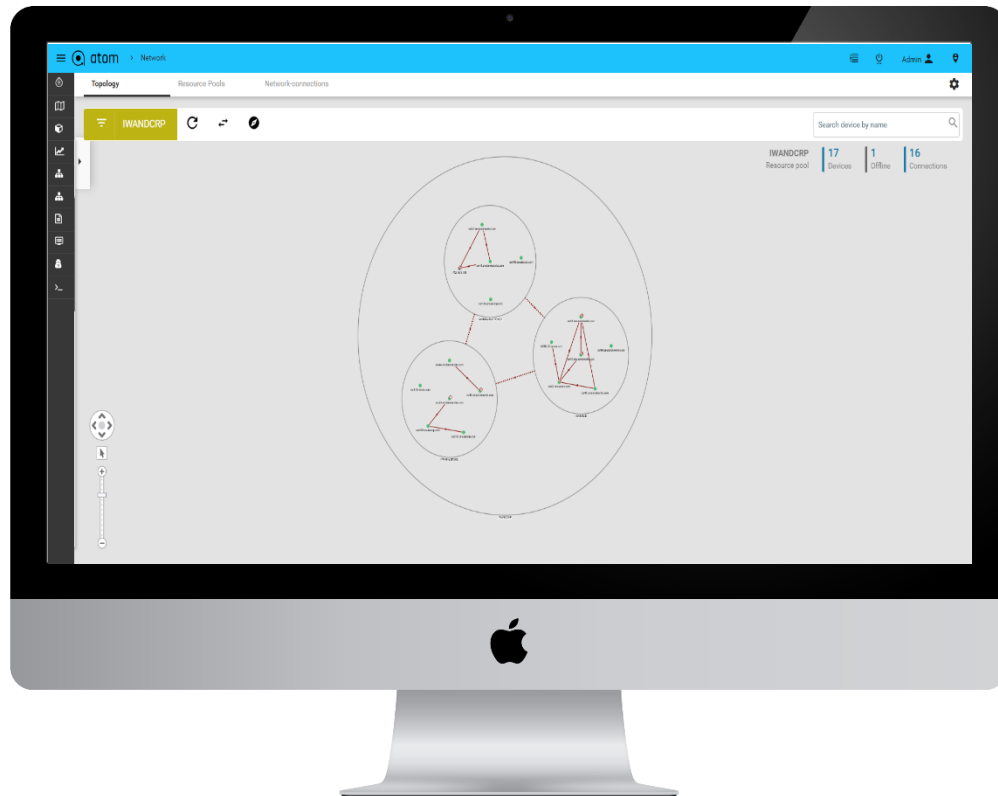
Taking the necessary remediation steps within complex networks is not always a straightforward process. The existing troubleshooting techniques may include pre-checks, approvals, multi-level provisioning, and post-checks to ensure successful remediation. ATOM's low code automation through workflow addresses such complex methods and procedures. By combining ATOM's closed loop automation and low code automation, network teams can reap the benefits of both features. ATOM CLA can also invoke complex workflows ensuring pre-checks to ascertain the problem, provision the changes, and perform post-checks to ensure the changes were received.

Integrate approvals & get notified with ATOM CLA



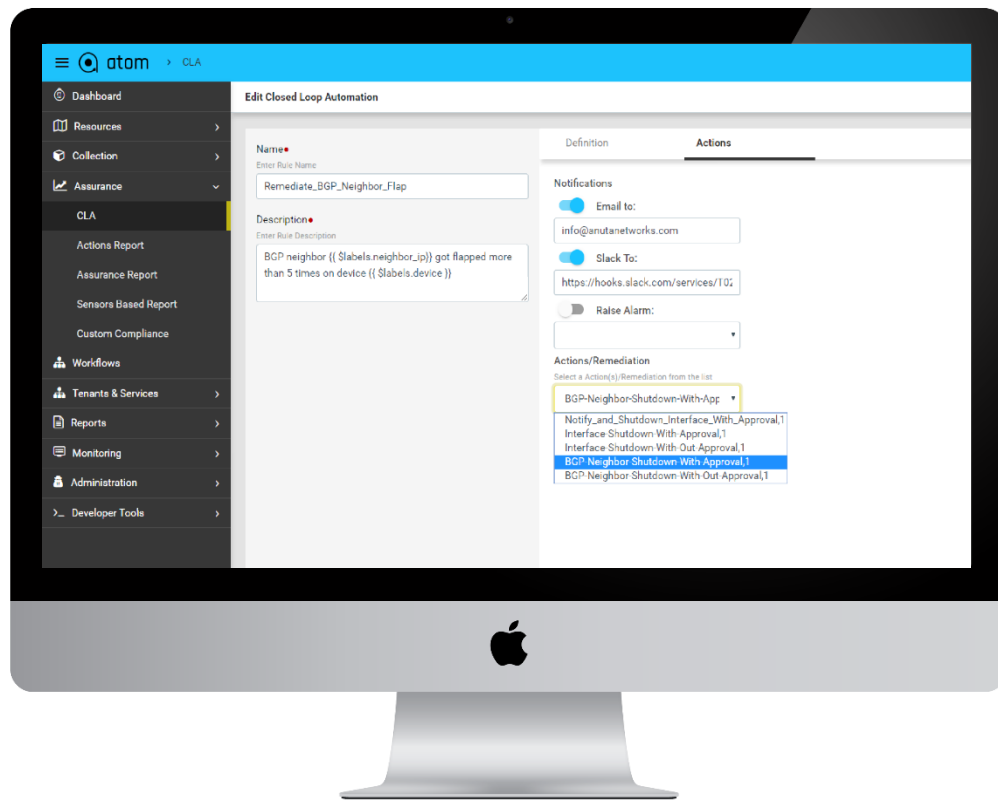
ATOM's open architecture facilitates integration into Slack, email servers and ITSM tools such as ServiceNow. When a CLA is triggered due to network activity, the ATOM platform can notify designated network administrators through an email, Slack notification or by automatically opening tickets into service management tools. For those remediation actions that need approval from relevant authorities, ATOM's CLA allows integration of approval chains. The network teams can subsequently preview configurations or alarms and make informed decisions to approve change or take a manual action. For example, a high CPU utilization can trigger Slack notifications to the relevant channels or open tickets in ticketing systems to keep the network administrators informed in real time. The ultimate value to any IT organization is management flexibility.

Integrate ATOM CLA seamlessly into existing networks



Today's modern networks are complex due to massive scale requirements and multi-vendor topologies that leverage OpEx spend. With its vendor agnostic capabilities, the ATOM platform provides the most comprehensive support for more than 45+ vendors. Its scalable micro-services architecture also enables ATOM to scale the breadth of complex networks to ensure service assurance through its closed-loop automation capabilities. Additionally, network architects are provided with an advanced DSL to enhance the ATOM CLA in building complex business logic that suits individual network requirements. With an open architecture, ATOM CLA also seamlessly integrates into existing automation tools such as Ansible or other custom scripts.

Power your use cases with ATOM CLA



With the advent of 5G and IoT, networks are set to rise to another inflection point. However, with scale comes a deluge of notifications and anomalies in any given network that must be managed. The ATOM platform can automate common use cases such as congestion management, DDoS mitigation services, and other service assurance use cases while enhancing QoE with ATOM's comprehensive closed-loop automation capabilities.

To learn how Anuta Network's ATOM Closed Loop Automation can help you automate a journey to a self-healing network, contact us at <http://anutanetworks.com>