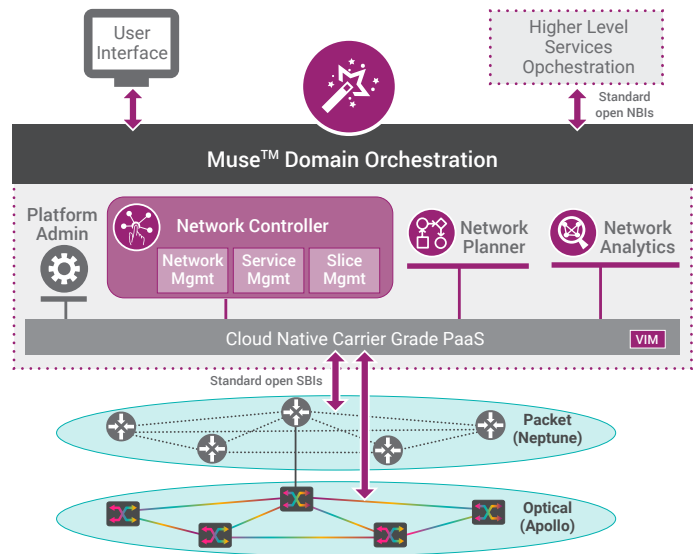








Muse SDN Domain Orchestration for Service Automation

Muse SDN Domain Orchestrator (MDO) provides a modular suite of applications that streamline and automate the service and network operation lifecycles to extract the maximum value from Ribbon's multilayer packet, optical, and virtualized networking solutions. MDO creates and activates new services rapidly, speeding up time to revenues, and ensures that the network is optimized, available, and running at peak efficiency, lowering the total cost of operation. This is particularly important as we move into a 5G world, where demands for low latency, high availability and huge bandwidth add to the need for secure communications and services segregation.

To realize the challenging mission of automating various multilayer service provisioning and assurance operations, MDO strings together interoperable automation building blocks. This is much more efficient than automating each process individually.



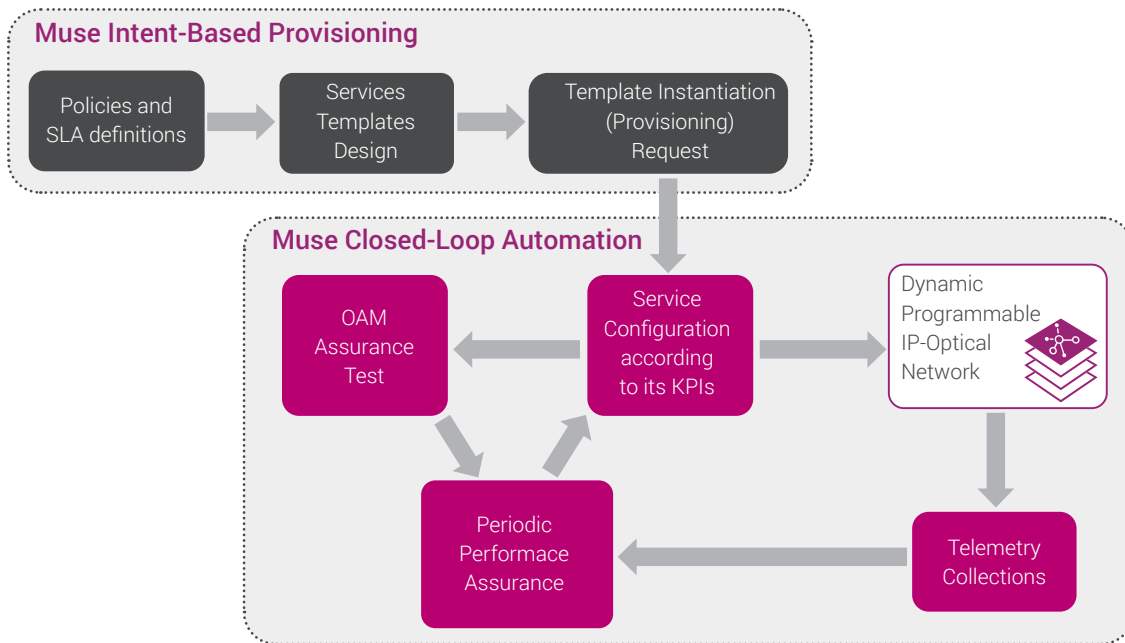
	Telemetry	Monitors and collects live measurements from the network and use the data for automatic analysis, assurance and troubleshooting.
	Administrative Sections	Assigns nodes and links to administrative groups to facilitate using them in provisioning policies, topology filtering, tasks automation and more.
	Advanced Multilayer PCE	Automatically assigns and provisions resources required for services across all network layers, taking constraints and policies into consideration in the most efficient manner.
	Service Templates with SLA Profiles	Contains performance parameters, including SLA profiles that dictate the latency, throughput, and availability thresholds for provisioning and assurance. Ready to use templates are available, as well as tools to design new templates from scratch.
	Closed-Loop Automation	Automates testing, monitoring and assuring services performance compared to the defined SLAs.
	Web UI and NBI	Enables performing CRUD operations via intuitive Web user interfaces, or RESTful machine-to-machine northbound interfaces.

Creating a Service Automation Workflow

These building blocks enable true Software Defined Networking, including Intent Based-Provisioning and Closed-Loop Automation, allowing a network operator to deploy services rapidly according to predefined policies and SLAs.

Provisioning a service becomes as easy as selecting a template and choosing the end-points. Policies guarantee correct configurations of parameters, that only permitted network resources are used, and that all KPIs are met - throughout the entire service lifecycle. Automated processes validate and assure that the service is indeed delivering the intended SLA, and in the future, ongoing telemetry will continue to assure this over time. Performance degradations can be identified before they become service affecting and corrected proactively.

The net effect is reducing human errors, increasing services uniformity in the network, and dramatically reducing OpEx for managing the network.



Contact Ribbon to Find Out How to Build and Operate an Automated IP Optical Network

About Ribbon

Ribbon Communications (Nasdaq: RBBN), which recently merged with ECI Telecom Group, delivers global communications software and network solutions to service providers, enterprises and critical infrastructure sectors. We engage deeply with our customers, helping them modernize their networks for improved competitive positioning and business outcomes in today's smart, always-on and data-hungry world. Our innovative, end-to-end solutions portfolio delivers unparalleled scale, performance, and agility, including core to edge IP solutions, UCaaS/ CPaaS cloud offers, leading-edge software security and analytics tools, as well as packet and optical networking leveraging ECI's Elastic Network technology.