HOW CUSTOMERS USE US TODAY

Lumina's product offering includes multiple use cases on optional controller-based applications. These applications help you perform Core Offload, Network Configuration Management, Zero-Touch Installation/Provisioning, Network Analytics and Policy Control, Brownfield/Greenfield Adaptation, and Telemetry Alarming and Notification.

CORE OFFLOAD

Modern networks demand high throughput with low levels of delay and congestion within the core network. Demands at the core network with the exponential increase in the number of mobile users and devices have become major challenges today. SD-Core enables you to reduce strain on your core by offloading traffic at the edge of your network. Quality-aware traffic offloading in combination with a white-box or brite-box ecosystem enables you to handle the increasing data demands from modern technology without worrying about increases in latency and network overload.

LEGACY OPTIMIZATION

Executives say legacy is hindering their organization’s ability to pursue digital innovation, and they do not have the right skills to maintain legacy systems. To address these conflicting needs, these leaders are extracting the value from their legacy systems and data in the short term to enhance digital efforts, while also seeking to address long-term legacy issues. Upgrading your existing hardware infrastructure can be cost-prohibitive, but your competitors won’t wait for you to secure the budget. Lumina integrates with existing BGP/MPLS routers. With the abstraction layer provided by SD-Core and the network slicing that enables, you can manage your traffic patterns across any ISP your network operates on at scale. SD-Core learns your network topology from BGP-LS and programs paths via PCEP.

FLOW MANAGEMENT

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## LUMINA SDN CONTROLLER - FEATURES SUPPORTED

### OpenDaylight Projects Supported

- AAA
- BGP-PCEP
- Controller
- Data Export Import
- L2Switch
- MD-SAL
- NETCONF
- NetVirt
- ODL Root Parent
- OpenFlow Java
- OpenFlow Plug-in
- OVSDB
- Neutron
- YANG tools
- PCMM
- JSON-RPC

### Other Features

- Installation scripts
- Data migration and upgrade tools
- Operator's web-based GUI and application slider
- Application development tools
- Clustering
- User documentation and support included

### Service Interfaces

- Karaf: http://karaf.apache.org/ (3.0.4)
- OSGi: http://www.osgi.org/
- Akka: http://akka.io (2.4.1)

### Southbound Plugins

- OpenFlow 1.0 and 1.3
- NETCONF/YANG (RFC 6241/6020)
- OVSDB
- BGP-LS/PCE-P
- PCMM/COPS

### Northbound Applications and Plugins

- RESTCONF
- OpenStack Neutron, ML2 Driver
- Lumina Topology Manager™
- Lumina Flow Manager™
- Lumina Zero Touch Installer™
- Lumina Overlay Manager™
- Lumina VNF Manager™
- Flow Optimizer

### Editions and Support

- Lumina SDN Controller Commercial Edition
- Lumina SDN Controller Developer Edition and Support
- Eclipse Public License v1.0-Compliant Source Code Distribution
- Developer’s Repository, Archetype and Support
- 24x7 Operations and Deployment Support

### NetDev Services

- Custom software development
- Testing and integration services
- Operations support
- Architectural design
- Software practice methodology, Agile development
- Education and training

### Pricing

- Annual recurring and subscription licenses are measured by nodes, seats, virtual machines or ports supported, depending upon the product
- NetDev Services are priced via contract or statement of work
- Perpetual licenses, packages, longer terms and volume purchase agreements can be specified by contract
- Eclipse Public License v1.0 source code distributions are available at no charge