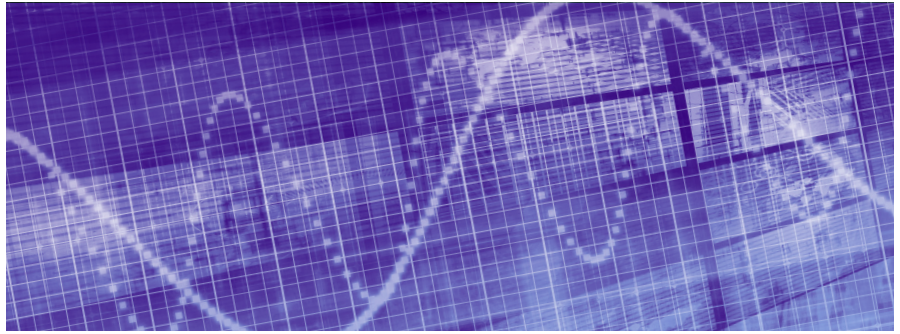


## Highlights

- Improve business agility and accelerate innovation with server-based, cross-domain automation
- Automate infrastructure provisioning, validation, troubleshooting, and remediation workflows
- Improve operations with pervasive traffic visibility for real-time network analytics, monitoring, and troubleshooting
- Minimize forklift upgrades with programmable ASICs that enable adoption of new protocols and technologies through a software upgrade
- Scale the data center cost-effectively with high-performance, flexible platforms at the leaf, spine, super-spine, and WAN edge



## Extreme Networks SLX Agile Data Center Portfolio

SLX switching and routing platforms deliver the data center visibility, automation, and agility organizations need for the digital era.

### Agile Data Center Networking Demands Pervasive Visibility and Automation

Business leaders recognize that they must digitize to accelerate innovation and maintain competitive advantage, or risk being displaced by more nimble competitors. According to IDC, two-thirds of CEOs at Global 2000 companies will make digital transformation the focus of their corporate strategies by the end of 2017. The fast innovation needed to drive this transformation can only happen with an agile IT foundation, and with seamless automation and network visibility connecting all IT domains and functions.

### Agility at All Layers of the Data Center Stack

SLX<sup>®</sup> switching and routing platforms provide unparalleled network visibility with the SLX Insight Architecture and SLX Visibility Services. These embedded capabilities allow organizations to achieve pervasive insight throughout the network in order to quickly identify problems, accelerate mean-time-to-remediation, and improve overall service levels. When combined with the Workflow Composer™ automation platform, this pervasive visibility enables organizations to act on network intelligence with the agility that modern data centers demand. The SLX family includes a breadth of platforms, each purpose-built for its place in the network, ranging from the leaf and spine to the super-spine and WAN edge. This comprehensive portfolio—consisting of automation, visibility, and platforms optimized for the digital era—delivers agility at all layers of the data center network stack (see Figure 1) and across domains, such as applications, compute, and storage.

<sup>1</sup>IDC Analyst Connection. "Modernizing Data Center Networks for Digital Transformation." Sept. 2016.

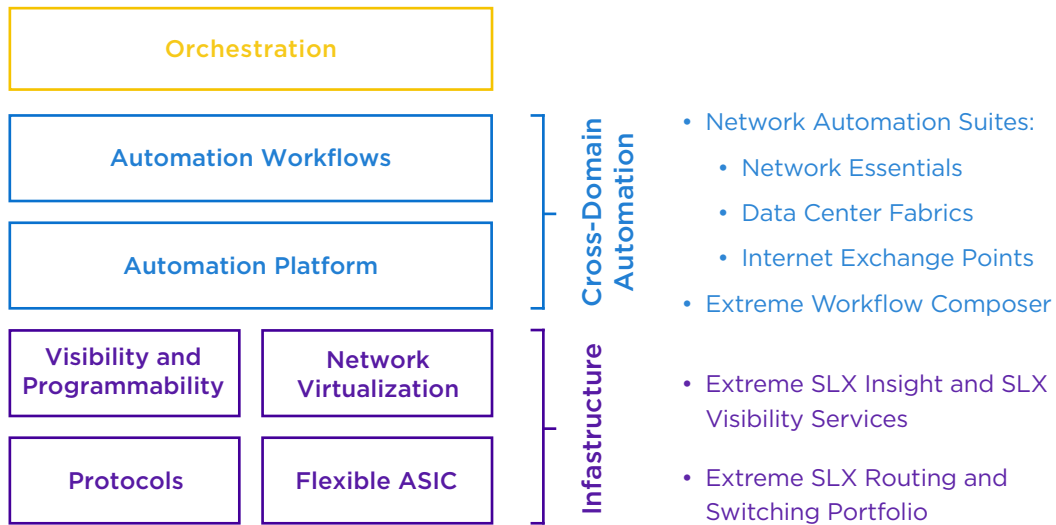


Figure 1 The SLX portfolio ensures agility at all layers of the data center stack.

## SLX Portfolio Breadth

The breadth of the SLX routing and switching portfolio (Figure 2) makes it suitable for many places in the network, and data center designs spanning leaf, spine, super-spine, core, and data center interconnect. The native 25 GbE SLX 9140 is ideal for leaf deployments, while the high-density 100 GbE SLX 9240 is well suited to serve at the spine level.

The versatile SLX 9540 delivers advanced routing and MPLS features in border leaf and WAN edge deployments. The highly scalable SLX 9850 router supports multiple use cases, spanning spine to super-spine, border leaf, core, WAN edge, or data center interconnect. The respective data sheets for these platforms provide more detail.

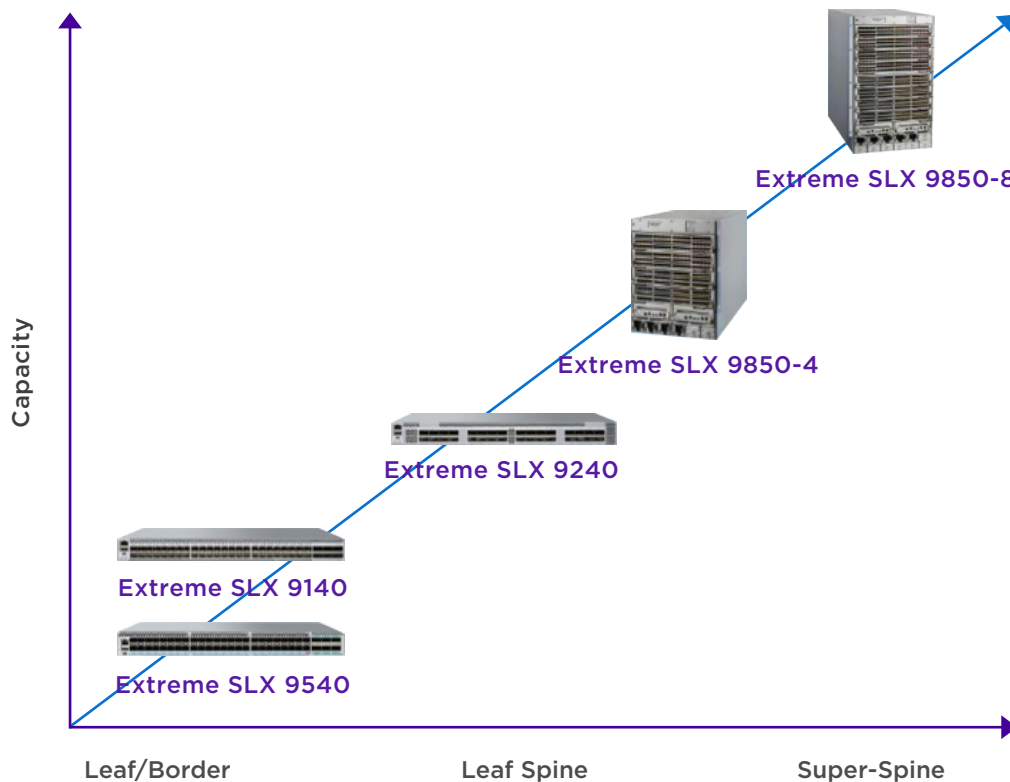


Figure 2 The SLX switching and routing portfolio.

## SLX 9140 Leaf and 9240 Spine Switches

The SLX 9140 leaf switch provides native 48×25 GbE server-facing ports and 6×100 GbE ports in a 1U fixed form factor. It also features flexible 1/10/25/40/100 GbE configuration options.

The SLX 9240 spine switch delivers high-density 32×100 GbE ports in a 1U fixed form factor.

Both the SLX 9140 and 9240 Switches feature the first programmable ASIC in their class, enabling rapid delivery of new capabilities through software. This eliminates expensive forklift upgrades when new technologies and protocols are introduced into the environment.

For more information, see the SLX 9140 Data Sheet and the SLX 9240 Data Sheet.

## SLX 9540 Edge Switch

The SLX 9540 Switch delivers carrier-class features in a cost-effective 1U fixed form factor optimized for data center interconnect, WAN edge, and Internet exchange point deployments. It offers 48×10 GbE ports and 6×100 GbE ports. For more information, see the SLX 9540 Data Sheet.

## SLX 9850 Core Router

With 230-terabit extensibility, real-time network visibility, and DevOps-style automation, the SLX 9850 Router handily addresses the massive and growing scale, analytics, and agility needs of the digital business world. An open, flexible platform gives service providers and enterprises the power to deliver high-performance services on demand. For more information, see the SLX 9850 Data Sheet.

## Flexible Network Virtualization Options

Data center fabrics based on SLX support flexible network virtualization—including controller-based architectures such as VMware NSX and standards-based, controller-less architectures leveraging Border Gateway Protocol-Ethernet Virtual Private Network (BGP-EVPN)—to enable workload agility, security, and segmentation within and across data centers. Overlay performance is optimized with the SLX platform's ASIC-based VXLAN tunnel encapsulation to ensure speed without compromise. Paired with the scale and rich visibility capabilities of the SLX family, virtual and physical data center networks can operate seamlessly.

## Pervasive Network Visibility and Programmable Interfaces

By embedding network visibility on every router and switch, organizations can improve network operations and reduce operational costs through pervasive, granular, real-time network monitoring and troubleshooting with dynamic flow identification, intelligent preprocessing, and flexible data streaming. The SLX Insight Architecture and SLX Visibility Services provide a new approach to network monitoring and troubleshooting that makes it faster, easier, and more cost-effective to get the comprehensive, real-time visibility needed for network operations and automation.

### SLX Insight Architecture

Organizations can improve operational efficiency and troubleshooting with the SLX Insight Architecture. Rich filtering capabilities ensure that just the traffic required for visibility processing is captured. An open guest VM environment provides the capability to run third-party monitoring and analytics applications directly on the switch or router, coupled with a dedicated, internal analytics path and high-performance data streaming options for easy integration with numerous network analytics tools.

### SLX Visibility Services

Visibility into highly distributed multitier applications is made possible with SLX Visibility Services and its support for rich classification and workload matching with network-wide scale. Physical and virtual network traffic data collected from multiple network layers delivers overlay and workload visibility across the network. Rule-based actions can be automatically applied to incoming network traffic, and context-rich data can be delivered to the SLX Insight Architecture, Workflow Composer, or third-party analytics and monitoring applications.

## Turnkey and Customizable Lifecycle Automation

SLX routing and switching platforms maximize IT agility by leveraging Workflow Composer, a server-based, DevOps-inspired network automation platform that automates the entire infrastructure lifecycle—from provisioning and validation to troubleshooting and remediation. It also integrates across IT domains for end-to-end event-driven workflow automation. For more information, see the Workflow Composer At-A-Glance.

Designed to run with the Workflow Composer platform, automation suites are ideal for IT organizations that seek to embrace automation yet possess limited automation development skills and resources. The suites provide out-of-the-box network lifecycle automation for commonly performed tasks, and are packaged to address major use cases. The automation suites include:

- **Network Essentials:** Basic building blocks to help organizations with limited resources get up and running quickly, including workflows that automate steps common to most networks.
- **Data Center Fabrics:** A collection of workflows specific to provisioning, troubleshooting, and remediating data center fabrics, including IP fabric deployments.
- **Internet Exchange Points:** Workflows to automate steps specifically associated with Layer 2 Internet exchange connectivity, such as tenant provisioning and maintenance.

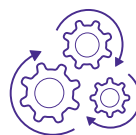
Each automation suite includes documentation and a collection of turnkey yet customizable workflows, services, sensors, actions, and rules. Organizations can use automation suites as-is or as starter kits for building or customizing workflows specific to their data center requirements to reduce time-to-value. For more information, see the Workflow Composer Automation Suites At-A-Glance.

## Open Architecture for Orchestration

Solutions work across the orchestration ecosystem to ensure smooth interoperability regardless of an organization's preferred system. Integrations with VMware vRealize, Nutanix Acropolis, and OpenStack Neutron allow information from the physical network to be shared with the orchestration layers. With Workflow Composer, this process is automated in both directions, so that network data can be used to provide a holistic picture of IT performance. Due to the open and flexible architecture of the SLX switching and routing platforms, coupled with Workflow Composer, orchestration actions can be easily executed on both physical and virtual networks.

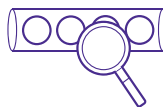
## A Foundation That Delivers Intelligent Automation and Agility for the Digital Era

The data center portfolio (see Table 1), featuring SLX routers and switches, SLX Visibility Services, and the SLX Insight Architecture, along with the Workflow Composer platform and automation suites, provides agility at all layers of the data center stack—from programmable hardware through orchestration—and across domains, such as applications, compute, and storage. The portfolio enables organizations to leverage embedded network visibility to assure intelligent automation that spans the entire network lifecycle. Open at all layers, componentized, next-generation data center technologies can be deployed as an integrated solution or used with popular industry automation or analytics tools, providing organizations with flexibility as they digitally transform.



### DevOps-Inspired Automation

**Extreme Workflow Composer Platform and Automation Suites** improve IT agility and accelerate innovation with cross-domain, event-driven automation.



### Embedded Network Visibility

**Extreme SLX Insight Architecture and Extreme SLX Visibility Services** enable network visibility from wire to workload for pervasive real-time monitoring and automated actions.



### Adaptive Platform Flexibility

Extreme SLX portfolio enables agility at all layers of the data center stack with programmable ASICs, open APIs, and designs that adapt to emerging speeds, standards, and protocols.

*Table 1* Key benefit categories of the SLX agile data center portfolio.