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### New Cisco Catalyst 2960-X Series Switches

Cisco Catalyst 2960-X Series Switches are the next generation of the industry’s most widely deployed access switches. These stackable switches deliver intelligent services, efficiency, and superior investment protection. Key highlights:

- **Scalable:** Superior scalability for supporting business growth through 800Gbps of stacking bandwidth, up to 384 ports in a stack, which is twice that of existing generation.
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### New Cisco Integrated Services Router 4451-X

Cisco ISR 4451-X delivers application service assurance with up to 2 Gbps performance and native Layer 2 to Layer 7 services, providing appliance-level performance and reliability, pay-as-you-grow services without disruption, and simplified operations. Key highlights:

- **Scalable:** Breadth of native L2-L7 services can deliver application-level services without any tradeoffs in security or performance.
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Learn more at cisco.com/go/gamechanger
Cisco Enterprise Networks architecture takes the SDN capabilities that are most relevant to the network and integrates them into Cisco Open Network Environment (ONE), to enable innovation, investment protection, and reduce operational risk. It is designed to address the opportunities presented by technological and market changes—Internet of Everything, mobility, cloud computing, and more—with a platform that is highly scalable, smart, simple, and secure.

CISCO ONE ENTERPRISE NETWORKS ARCHITECTURE (THREE LAYERS)

- **Network Application Layer**: Enables network-aware applications for cloud, security, mobility, network services, as well as third-party applications to communicate with the network elements layer seamlessly via the control layer. Additional management and policy control with Cisco Prime and Cisco Identity Services Engine gives you the freedom to optimize the interactions between layers for better customization. You can now deploy applications and services quickly to meet the demanding needs of growing businesses.

- **Control Layer**: The engine that helps orchestrate the infrastructure including discovery, automated provisioning, analytics, and more. It creates an abstract network model and performs analytics across all the network devices. It then presents an aggregated network view to the application layer. The control layer speeds up initial deployment as well as repurposing of infrastructure based on changing business needs while enhancing application and user experience by making applications and networks mutually aware.

- **Network Element Layer**: Consists of intelligent infrastructure products—switches, routers, wireless, and other products—built with industry-leading programmable ASICs, superior security, and battle-hardened Cisco network operating systems. The devices work seamlessly with each other and present themselves to the control layer and to network applications through multiple APIs such as onePK, OpenFlow, and CLI. The programmability, seamless interoperability, and multiple APIs of Network Element Layer make this foundation scalable, agile, and versatile.

Cisco ONE Enterprise Networks architecture allows organizations to break the barriers to cloud and BYOD deployments, by developing applications once and deploying them everywhere and on every device—wired or wireless, cloud or in the branch. The whole network becomes more intelligent and scalable. It is no longer about the platform; it is about the applications that run on them.

Cisco is introducing a number of new products at Cisco Live 2013 for campus and branch networks that help bring the new Cisco ONE Enterprise Networks architecture to life.

### NEW CISCO CATALYST 6800 SERIES SWITCHES

Cisco Catalyst® 6800 Series Switches are next-generation programmable campus backbone switches optimized for 10/40/100G services. These switches are built with Catalyst 6500 DNA. They are:

- **Scalable**: With higher slot capacity (Up to 880G/slot), higher switching capacity (11.4 Tb/s, full duplex), and advanced MPLS/VPLS and Multicast functionality.

- **Smart**: Unmatched breadth of intelligent network services including ultra high-availability with Quad-Sup SSO; integrated wireless, firewall, and network analytics functionality; seamless device mobility with LISP; and more.

- **Simple**: Dramatic simplification of campus network operations with Catalyst Instant Access.

- **Secure**: Comprehensive security across wired, wireless, and VPN through Cisco TrustSec® and support for Cisco AnyConnect® sessions.

### NEW CATALYST INSTANT ACCESS

Cisco Catalyst Instant Access radically simplifies campus network operations by making Cisco Catalyst 6800IA access switches function as a single extended switch connected to Cisco Catalyst 6800/6500. Key highlights:

- **Scalable**: Network services such as Software Defined Networking, IPv6, BYOD Guest Networks and more can scale and take less time to deploy because individual access switches need not be configured or programmed.

- **Smart**: Brings core features to access layer. Ensures feature consistency across campus network because access switches function like a single extended switch. Network downtimes due to access feature inconsistencies are eliminated.

- **Simple**: All access switches are configured and managed through the core switch. This saves time and increases efficiency.

- **Secure**: Provides a single consistent security policy across campus because the security policies are applied on the single extended switch. It can stay compliant to regulations cost effectively.

### NEW CISCO CATALYST 4500E SUPERVISOR ENGINE 8-E

The Supervisor Engine 8-E brings Cisco Unified Access to the widely deployed Cisco Catalyst 4500E modular access switch. Key highlights:

- **Scalable**: Built-in wireless controller supports up to 20Gbps wireless throughput, 50 access points, and 2000 clients on a single system.
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