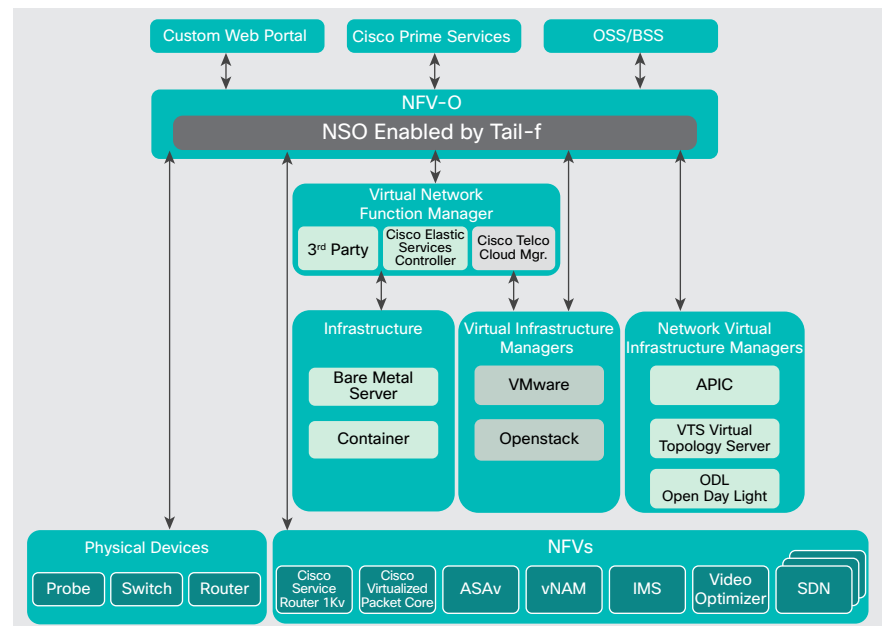# Cisco Telco Cloud: End-To-End Cloud Automation

Why Telco Cloud?

First we must understand what are the benefits the cloud delivers to telcos. We know the telco industry faces many challenges both economically and from the competition, all while being driven to create and deploy new profitable services. We also know that service providers can no longer continue to build dedicated network elements that serve one network function and scale only as far as their allotted capacity, that is, they require a dynamic architecture. An architecture designed to meet the highest traffic demands of the peak time has a lot of unused capacity the remainder of the time. They need an architecture that can dynamically change their purpose as different applications or functions are demanded. Instead of replicating the same hardware elements at every point in the network, carriers can adopt flexible hardware platforms with application-agnostic processing resources.

Figure 1. Telco Cloud and E2E Automation

Benefits

- Validated architecture and solution

- Integration and system testing, upgrades

- Virtualization and providing virtualization infrastructure (IaaS)

- System orchestration and initial release

- End-to-end service orchestration

- End-to-end system operation documentation

- Complete integrated service offering and installation and operation

- Customization and professional services

- Capability for preinstallation and staging

Next Steps

For additional information, visit Cisco Mobile Solutions.

Why Cisco for Telco Cloud

Cisco delivers a unique architectural offering for a Service Provider's Telco Cloud that combines the reliability, scalability, and availability of the Cloud and the flexibility to expand on-demand multidimensional services. It accelerates the time to market for new services offerings and the adoption of new technologies, reduces the operational expenses, improves convergence of Voice over IP (VoIP), video, and data into a single telco infrastructure.

The Telco Cloud can help mask network complexity and shortage of skilled staff by providing automation and orchestration through its elastic capabilities while complying with standards and regulatory requirements. It can be offered as a private or a hybrid cloud.

Learn more at www.cisco.com/.

Cisco Services
Services from Cisco and our partners help you get the most value from your Telco Cloud Services quickly and cost-effectively. Our Cisco Services team can help create your cloud strategy, a roadmap, and a scalable design. Migrate smoothly. Simplify your architecture and operations. And strengthen your team by sharing what we know. We have a globally recognized expertise in engineering IP next-generation network solutions and managing large system and network integration projects.

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