

What is Cloud Networking?

How Network as a Service Built on Cisco Meraki technology delivers powerful cloud networking and its benefits.

A CBTS White Paper

Introduction

Cloud Networking from CBTS provides centralized management, visibility, and control without the cost and complexity of controller appliances or overlay management software. This Network as a Service (NaaS) product is designed and built from the ground up for cloud management, and delivered with centralized management; layer 7 device and application visibility; real-time, web-based diagnostics, monitoring, and reporting; and much, much more. Our NaaS solutions deploy quickly and easily, without the hassles of traditional networks, providing you more time to devote to getting back to the business of your business.

How it Works

- Reliable, high-performance wireless APs, switches, and security appliances are deployed in your campus or remote branches.
- NaaS devices automatically connect to the Cisco Meraki cloud over SSL, register with your network, and download their configuration.
- You have complete visibility over your entire network via the web. View thousands of devices, run diagnostics, or view reports with a few clicks — from a single dashboard.
- Tasks such as RF optimization and VPN configuration are automated by the cloud, while firmware updates and application signatures are seamlessly deployed over the web.

Key Benefits

- Rapid deployment with self-provisioning, self-optimizing hardware.
- CBTS handles the configuration for you.
- Automated monitoring and alerting.
- Future-proof and always up-to-date, with seamless over-the-web firmware updates and new features delivered quarterly.
- Predictable monthly pricing delivers enterprise-grade software and hardware in a tech refresh cycle, eliminating technology obsolescence.
- Access to real-time analytics to inform strategic business decisions and accelerate revenue.

Common Questions About Cloud Networking

1. **Why migrate to the cloud?**

This is simple: improved speed, added simplicity and greater control over application management, and freedom to scale up or down as the business requires.

2. **How quickly are businesses migrating to the cloud?**

In 2016, 35% of businesses were using the cloud. By the end of 2017, that number had doubled to 71% and is expected to continue to grow. * In fact, 85% of IT decision-makers believe a cloud strategy is "essential to remaining competitive in our industry." **

3. **Does my network traffic flow through the NaaS cloud infrastructure?**

No. NaaS uses an out-of-band management architecture, meaning that only management data flows through the NaaS cloud infrastructure. No user traffic passes through, and your data stays on your network.

4. **How do firmware upgrades work?**

CBTS provides firmware updates via seamless, over-the-web upgrades. Firmware upgrades are delivered securely over the web. We will contact you in advance and coordinate before anything is deployed.

5. **What sized network is most appropriate for NaaS?**

The NaaS cloud architecture provides a feature set that is rich enough for large enterprise deployments. Cloud-based infrastructure provides cost advantages in both small and large networks, and our cloud infrastructure scales seamlessly from small branches to large campus environments and distributed networks.

6. **How does security compare to traditional network infrastructure?**

This solution provides PCI Level 1 certification and numerous security tools/monitoring to help clients harden their networks.

To learn how NaaS is propelling businesses into the future, visit: <http://info.cbts.net/cbts-case-studies>.

*Based on 6,723 qualified responses collected by Gartner Cloud Service Deployment Survey, August 2016.

** Sources: 2014 Frost & Sullivan Global Cloud User Survey; 2015 Frost & Sullivan U.S. Cloud User Survey.