Bring Your Own Device

Making BYOD work for you

Rising user demand creates new challenges.

In today's 24/7, always-on, hypercompetitive global business environment, it's hard to tell where our professional lives end and our personal lives begin. The same is true with our phones, computers and other devices. As the lines continue to blur, security is no longer just about keeping people out, it's also about how to let them in. New business requirements, such as the need to use collaborative applications, are driving the demand for greater flexibility and more choice. IT professionals must balance security and access so users can collaborate with confidence.

Organizations have all kinds of personal devices being used for professional purposes on their networks. To manage the proliferation of personal devices, Bring Your Own Device (BYOD) policies have moved to the forefront for IT professionals. Users want seamless access to corporate resources no matter which device they use or from where that device is connecting.

Policy-Governed Unified Access Infrastructure

A policy-governed unified access infrastructure ensures secure access to data, applications and systems with high-performance connectivity for every device. At OneNeck® IT Solutions, we work with Cisco, Meraki, Citrix, VMware, MobileIron and other partners to offer a single source policy across the entire organization for wired, wireless and VPN networks.

- Identity Services Engine (ISE) is a unified, policy-based service enablement platform that ensures corporate and regulatory compliance of all the devices connected to your network. It gathers real-time information from the network, from users and from devices making proactive governance decisions by enforcing policy across the network.
- Cisco AnyConnect® Secure Mobility Client makes the VPN experience simpler and more secure with enhanced remote access technology. This software includes 802.1X authentication and provides an always-on VPN experience across the industry's broadest array of laptop and smartphone-based mobile devices, including iOS®, Android®, BlackBerry® and Microsoft® Windows Mobile platforms.
- Intelligent network infrastructure includes a complete portfolio of wired, wireless and VPN access points. Security is uniquely embedded into selected network infrastructure to provide greater visibility and enforcement.
- Wired infrastructure includes the Cisco Catalyst® and Nexus® access switch portfolios which provide cost-effective high availability, performance and security for your end users.
- Integrated services routers offer unparalleled total-cost-of-ownership savings and network agility through the intelligent integration of security, wireless, unified communications and application services.
- Wireless infrastructure simplifies your working environment by combining the mobility of wireless with the performance of a wired network. The Cisco Aironet® Series Access Points offer faster performance than competing solutions along with exceptional reliability.
- Mobile Device Management integrates seamlessly into your BYOD strategy with the leading market providers.
- Virtual Desktops provide secure access to your desktop from any device, anywhere. OneNeck provides hosted Desktop-as-a-Services (DaaS) and enterprise VDI deployments using Citrix and VMware solutions.

With your help, your network can act as a platform and offer services such as video as well as protect people and organizations. Our network leadership and expertise sets us apart from other providers in our ability to deliver highly secure BYOD environments.

Today's personal devices are helping businesses flourish. The BYOD movement has ushered in growth to the bottom line through increased employee productivity coupled with decreased costs.

OneNeck®

IT SOLUTIONS
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Providing Optimal Security in a BYOD Environment

As a Cisco Gold Partner with advanced specializations in mobility and security, OneNeck IT Solutions is leading the way in helping companies embrace the BYOD phenomenon. We help our customers implement solutions that empower IT to go beyond simply connecting personal devices and securely scale the experience of many users with multiple devices based on the device type, time and place.

OneNeck IT Solutions BYOD protocols are developed in partnership with Cisco and other leading technology providers. The integrated solution delivers security procedures across the entire organization, as well as an optimized and managed experience for users with diverse device, security and business requirements.

Core components of a highly secure BYOD solution include:

- Policy-governed unified access infrastructure to include wired, wireless and VPN
- Efficient and seamless security
- Simplified management
- Mobile device management

Efficient and Seamless Security

OneNeck IT Solutions' Cisco-certified professionals can help you implement an architecture and approach to security that enables consistent enforcement throughout the organization, greater alignment of policies with business needs, integrated global intelligence and simplified delivery of services and content. The result is end-to-end, automated security enforcement that is seamless to the end user and more efficient for the IT team.

We help to ensure safe delivery of any content to any device at any location without hindering the user experience and provide your organization with flexible endpoint device choice and access methods, while providing always-on, persistent security for devices.

Simplified Management

Cisco Prime® infrastructure is a comprehensive management platform that delivers converged user access and identity management with complete visibility into endpoint connectivity, regardless of device, network or location. This extensive visibility speeds up troubleshooting for network problems related to client devices which is a common customer challenge. Cisco Prime also monitors endpoint security policy through integration with Cisco ISE to deliver compliance visibility.

Mobile Device Management

For many years, a Blackberry Enterprise Server was the only mobile device needed to look after the security and management of devices. But now many companies are investing in more flexible, less platform-specific mobile device management (MDM) platforms. OneNeck's security experts can help you assess all options on the market and decide on the best MDM for your organization.

The core driver for purchasing an MDM solution is security and any good MDM platform must therefore offer this comprehensive range of security features:

- Enforcing device PIN/password usage: ensuring that the device can only be accessed after entering a PIN, password or phrase that is not easily guessable.
- Remote device lock/wipe: the ability for administrators to lock or delete the data – either all or just corporate data – from a device that is reported lost or stolen.
- Data encryption: activating on-device data encryption on platforms such as iOS that have it built in, or adding this functionality to platforms like Android that might not.
- Jailbreak/root detection: jailbreaking or rooting a mobile device frees it from many OS-level security restrictions and may also allow users to bypass security controls imposed by an MDM. Thus it is vital that an MDM can detect when a devices has been jailbroken or rooted.
- Data loss prevention: preventing certain categories of corporate data to be sent from the device by specified means such as email.

About OneNeck® IT Solutions

OneNeck IT Solutions LLC offers hybrid IT solutions including cloud and hosting solutions, managed services, enterprise application management, advanced IT services, IT hardware and top-tier data centers in Arizona, Colorado, Iowa, Minnesota, New Jersey, Oregon and Wisconsin. OneNeck's team of technology professionals manage secure, world-class, hybrid IT infrastructures and applications for businesses around the country. Visit oneneck.com.

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