SDN Essentials: The Future of Networking

Duration: 2 Days   Course Code: SDNF   Version: 1.0

Overview:

For the past 20 years, networking has not been able to quickly respond to changing business demands. Software-Defined Networking (SDN) promises to change this. Software-Defined Networking empowers the business to control network behavior by emphasizing the application instead of the network infrastructure.

Regardless of your hardware or software environment, this vendor-neutral course offers a clear picture of how Software-Defined Networking allows more efficient provisioning of new services and applications, realises cost savings, reduces configuration time and errors, enhances security, relates to and enhances cloud computing.

Target Audience:

This course has been designed for individuals interested in gaining a high-level understanding of SDN.

Objectives:

■ **After attending this course you should be able to :**

■ Differentiate between SDN and its myths

■ Recognise the current SDN solution providers

■ Understand the Business and technical challenges that SDN solves

■ Understand how SDN enhances cloud computing

■ Recognize howSDN impacts your organization, your team, and you.

Prerequisites:

Attendees should meet the following prerequisites:

■ A basic understanding of infrastructure and networking terms is helpful but not required.

Follow-on-Courses:

The following courses are recommended for further study:

■ SDNPW - SDN Planning Workshop

Content:

In this course you will learn about:

- ■ Identify and dispel the myths surrounding SDN

Determine the basic feature sets offered by different vendors and identify each vendor's style

- Physical

- Virtual

- ■ - Firewall
- ■ Define SDN
- ■ The Evolution of SDN
- ■ Compare a traditional network and a SDN network
- ■ SDN terminology
- ■ Controllers
- ■ Devices
- ■ Applications
- ■ APIs (northbound and southbound)
- ■ Planes (mgmt, ctrl, data)
- ■ Draw a conceptual diagram of SDN
- ■ SDN enabling tools and technologies
- ■ Apply SDN to your organizational challenges
- ■ Business and technical challenges solved by SDN
- ■ Relationship between SDN and cloud computing

Roles and responsibilities in SDN

- IT Management

- Security and compliance

- ■ - Network administration
- ■ Server and virtualization administration
- ■ How roles in an SDN network differ from a traditional network
- ■ How roles change, merge, and re-task for SDN
- ■ The need for collaboration between roles

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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