



## Software Defined Networking Fundamentals

**Duration: 2 Days**    **Course Code: SDNF**    **Version: 1.0**    **Delivery Method: Virtual Learning**

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### 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. SDN 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 SDN: Allows more efficient provisioning of new services and applications, Realises cost savings, Reduces configuration time and errors, Enhances security, Relates to/enhances cloud computing

### Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

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### Target Audience:

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

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### 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
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### Prerequisites:

#### Attendees should meet the following prerequisites:

- A basic understanding of infrastructure and networking terms is helpful but not required.
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### Follow-on-Courses:

#### The following courses are recommended for further study:

- SDNPW - SDN Planning Workshop
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## Content:

Identify and dispel the myths surrounding SDN	SDN terminology <ul style="list-style-type: none"><li>■ Controllers</li><li>■ Devices</li><li>■ Applications</li><li>■ APIs (northbound and southbound)</li><li>■ Planes (mgmt, ctrl, data)</li></ul>	Relationship between SDN and cloud computing
Determine the basic feature sets offered by different vendors and identify each vendor's style <ul style="list-style-type: none"><li>■ Physical</li><li>■ Virtual</li><li>■ Firewall</li></ul>	Draw a conceptual diagram of SDN	Roles and responsibilities in SDN <ul style="list-style-type: none"><li>■ IT Management</li><li>■ Security and compliance</li><li>■ Network administration</li><li>■ Server and virtualization administration</li></ul>
Define SDN	SDN enabling tools and technologies	How roles in an SDN network differ from a traditional network
The Evolution of SDN	Apply SDN to your organizational challenges	How roles change, merge, and re-task for SDN
Compare a traditional network and a SDN network	Business and technical challenges solved by SDN	The need for collaboration between roles

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## Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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