

Data Center And Networking Foundations



The Course

Data centers are commonly run by large companies or government agencies. However, they are also increasingly used to provide a fast-growing cloud solution service for private and business applications.

A network connects computers, mobile phones, peripherals, and even IoT devices. Switches, routers, and wireless access points are the essential networking basics. Through them, devices connected to your network can communicate with one another and with other networks, like the Internet.

The Eligibility

- Passionate Technology Enthusiasts with a minimal knowledge on IT and Operating Systems.

The Rulepaper Promise

Our training methodologies promises to give the students hands on art enterprise skills to delve deeper into the technologies from a practical and enterprise point of view. Extreme Hands-on-Lab with a self doable on the fly practical based training approaches makes transformation of the student from a no vice to a capable experienced cloud computing engineer.



The Instructor

Enterprise Architect with huge experience on Private and Public Cloud Technologies. The trainers are advisors and members of larger Cloud Computing Forums and seasoned integrators of IT Cloud Computing technologies with more than 12+ years in global large enterprise giants.

Course Content of Datacenter

Module 1:

Overview of Datacenter

- Datacenter Defined
- Datacenter Goals
- Datacenter facilities
- Roles of datacenters in enterprise
- Roles of datacenters in service provider environment

Module 2:

Application Architecture model

- The client/server model and Its Evolution
- Then N-Tier model
- Multitier Architecture application environment

Module 3:

Datacenter Architecture

- Aggregation Layer
- Access Layer
 - front end segment
 - Application segment
 - Back-end Segment

Module 4:

Storage Layer

- Datacenter Transport Layer

Module 5:

Datacenter services

- IP infrastructure services
- Application services
- Storage services

Course Content of Networking

Module 6:

Networking

- What is a Network?
- Types of Networks (LAN, WAN, MAN, CAN, etc)
- IP Address
- Ipv4 & Ipv6, subnets
- Network Devices
- Media (Topologies)
- Types of Crimping
- LAN Connectivity
- Remote desktop

- Modes of Operating system
- Server types
- OSI Layers
- Wireless (wifi) Connectivity
- Protocols

Module 7:

Security

- Firewall
- Antivirus
- Wifi security
- User & password
- Data secure

The Duration

Duration of the Course is 20 hours.

The Lab Requirements

Students must bring their own laptops with basic configuration

The cost of the Training

Please send an email or contact us at enquiry@rulepaper.com to know more about the cost and next batch schedules.

The certifications

Once the training is completed the student have to enroll with **Datacenter Fundamentals** and **Networking Fundamentals** for getting certification and the cost is exclusive of this training . Certification is an optional or good to have feature.