

Cloud Infrastructure Foundations



The Course

This course provides an overview of digital transformation, role of Cloud to help organizations address the current IT challenges to meet their overall digital transformation objectives. This “cloud essentials” course will help to gain the knowledge on technologies, processes, and mechanisms required to build a cloud infrastructure. This course takes an open approach, and uses the Cloud Reference Architecture to describe the concepts and technologies related to cloud computing, which is further illustrated and reinforced with DELL EMC product examples. The course follows the U.S. National Institute of Standards and Technology as a guide for all definitions of cloud computing

The Eligibility

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

Good to have basic knowledge on Windows, OS & IT Infrastructure.

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 Contents

Module 1

Driving Digital Transformation – Cloud

- Digital Transformation
- Current business challenges
- IT challenges in supporting business challenges
- Digital business drives IT Transformation
- Digital and IT Transformation adopts Cloud

Module 2

Cloud Reference Architecture

- Essentials of Cloud characteristics
- Cloud deployment and service models
- Key benefits of Cloud computing
- Components of the Cloud reference architecture

Module 3

Applications

- Evolution of application platform
- Traditional application challenges
- Need for application transformation
- Modern application characteristics
- Application modernization approach

Module 4

Cloud Services & Orchestration

- Cloud services and its functions
- Cloud portal
- Cloud interface standards
- Cloud service lifecycle
- Service orchestration

Course Contents

Module 5

Modern Infrastructure

- Key IT infrastructure components
- Virtual Infrastructures – features and its benefits
- Software Defined Infrastructure – feature and its benefits
- Converged and Hyper Converged Infrastructure - features and its benefits

Module 6

Cloud Security

- Cloud security threats
- Cloud security mechanisms
- Governance, risk, and compliance

Module 7

Business Continuity

- Cloud service availability
- Fault tolerance mechanisms
- Data protection solutions – backup, replication and archive
- Data protection as a service

Module 8

Cloud Service Management

- Service portfolio management processes
- Service operation management processes

Module 9

Transforming IT operations

Key elements of successful transformation :
People, Process, and Technology

The Duration

Duration of the Course is 40 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.