Introduction to Cloud Computing Architecture

Duration: 2 Days    Course Code: 1SM0G

Overview:
Learn how your IT infrastructure could benefit from a Cloud Computing solution. Through discussions and hands-on labs, you will be introduced to the building blocks of most Cloud Computing solutions. Discussions will delve into an overview of Cloud concepts, which will including delivery models, provisioning, service management, monitoring, and best practices. Hands-on labs will provide experience with using the Service Portal and TSAM interface to perform tasks such as discovering services, requesting a service, modifying a project, monitoring information, generating invoices, and backing up a server.

Target Audience:
This is a basic course for architects, system integrators, security administrators, network administrators, software engineers, technical support individuals, and/or IBM Business Partners who are responsible for elements of an existing IT infrastructure.

Objectives:
- Describe Cloud Computing
- Cloud administrator
- Team member
- Team administrator
- Discuss why there is a growing interest in Cloud Computing (historic review)
- Team member
- Show how Cloud Computing is a major evolution of technology in the past decade
- Team administrator
- Identify the added value of this new infrastructure model compared to previous ones
- Describe the architecture of a Self Service Portal (group of users, what is a service...)
- Describe the lifecycle of a service
- Discuss the pros and cons for each Service Portal point of view; user, administrator, provider, manager
- Identify the features that can be added to a simple service request (monitoring, usage and accounting, backup...)
- Describe the components of a Cloud Computing solution (agnostic description)
- Describe and perform provisioning
- Describe the "as a service" model of Cloud Computing
- Idem for monitoring and usage and accounting
- Examine the nature of the different cloud architectures:
- Describe a catalogue
- Private, public, hybrid
- Create, modify, start, and stop a service
- Describe a Self Service Portal
- Identify and describe the different portal user roles:

Prerequisites:
A basic understanding of a computer operating system and virtualization would be beneficial.

Content:
- Unit 1 - Introduction to Cloud Concepts
- Unit 2 - Self Service Portal
- Unit 3 - Service Life Cycle
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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