SoftLayer Fundamentals

Duration: 2 Days   Course Code: GK0741

Overview:

SoftLayer Fundamentals is a 2 day, instructor-led technical training class.   The SoftLayer Fundamentals instructor-led training course introduces SoftLayer Infrastructure-as-a-Solution (IaaS) capabilities through instruction, hands-on lab activities and demonstrations. A 3-tier application framework and client case study is used to provide a workload context in order to understand what SoftLayer can do.

Target Audience:

This course is suitable for: Individuals who want to evaluate the SoftLayer's IaaS capabilities in more detail, Individuals responsible for evaluating the technical benefits of using third party cloud hosting services such as SoftLayer for IaaS, IT solution and software architects who want to assess the fit of SoftLayer's IaaS technologies and how they align with their business requirements, Application developers who want to understand the SoftLayer's IaaS capabilities and how to leverage them into their applications, Network managers who want to understand IaaS connectivity and performance considerations to manage the computer networks across their business, Security managers who want to learn how to design IaaS solutions that protect underlying information using cloud services, Storage managers who need to assess IaaS options to manage the storage architecture strategy

Objectives:

- After this course you will be able to:

- Define cloud terminology

- Explain architectural concepts in regards to SoftLayer

- Compare the SoftLayer storage options

- Explain security and compliance, including data privacy

- Evaluate the multiple network options and the performance implications

- Describe SoftLayer differentiators

- Model a typical environment using relevant SoftLayer component options

Prerequisites:

Before taking this course students should have a familiarity with:

- Hardware used with cloud computing
- Load balancing
- Internet and web-hosting fundamentals
- Cloud computing
- SoftLayer overview

Testing and Certification

There is no certification following this training.

Content:

Course outline

- Changing the Landscape Without Changing the Definition
- Defining SoftLayer Cloud Architecture
- Connecting to the Cloud – SoftLayer network options
- Storing Your Data
- Keep safe – security, compliance and data management
- Monitoring and Management to meet Service Level Agreements
- Leveraging the SoftLayer Differentiators

Hands-on labs will be done throughout the class to learn how to:

- Navigate the SoftLayer portal
- Deploy a virtual machine
- Create templates to deploy images faster
- Upgrade the environment to meet new requirements
- Explore the SoftLayer network backbone to understand latencies and determine which data center meets the service level agreement
- Manage your virtual machine through a VPN
- Distribute workload across servers and create additional servers as demand dictates using load balancers and auto scaling
- Protect the web servers because which are exposed to the Internet using the FortiGate Hardware Firewall (as a service)
- Allocate space to database server and confirm steady storage performance
- Connect to a NAS volume and measure performance
- Configure monitoring for a database server
- Instructor-led demonstrations will provide insight into how to

:

- Understand the SoftLayer portal user interface
- Use the bare metal server management
- Leverage eVault backup capabilities
- Establish user security
- Monitor system performance

Further Information:

For More information, or to book your course, please call us on 353-1-814 8200

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