AWS Cloud Infrastructure PoC Workshop (Secure Network Framework & Cloud VDI)

Course description

This course is not for exam purpose. Instead you will build a Proof of Concept environment for all future workloads alongside your internal security & compliance. On top of building a real-world secure network framework in the AWS Cloud, we will create a secure Cloud Virtual Desktop Infrastructure to enable your users working at remote/home office.

Level	Delivery method	Duration
Intermediate-advance	Instructor-led technical workshops	12 hours

Course objectives

This course is designed to teach you how to:
- Build a secure network framework for your hyper Cloud deployment
- Create your Cloud VDI environment with your managed Directory Services
- Manage application life cycle and storage for your Cloud desktops

Intended audience

This course is intended for:
- Solutions Architects
- Solution Design Engineers
- Cloud Security Administrators, Network Administrators and Operators
- Anyone who needs to run machines/workloads securely, cost effectively with high performance in AWS Cloud

Prerequisites

We recommend that attendees of this course have:
- Taken the *AWS Cloud Practitioner Essentials* classroom or digital training
- Taken the *AWS technical Essentials* classroom training
- Fundamental knowledge on virtualization
- Familiarity with general networking and cloud computing concepts

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Kenfil Hong Kong Ltd. | www.kenfil.com
Addresss : 7/F., O.T.B. Bldg., 160 Gloucester Rd., Wanchai, HK
Enquiry Hotline : (852) 2864 2490   Email : education@kenfil.com

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Course outline

Part One

– Build a secure network framework for your workloads

- Move your sensitive workloads to secure private network.
- Create private connections between your VPC through Peering
- Create private link for your workloads to access AWS public services through VPC Endpoint
- Build a cost-effective Aurora MySQL database in private network
- Enable Hybrid Cloud Deployment with Site to Site VPN
- Create serverless Client to Site VPN for your frequent traveling users

Part Two

– Create cloud VDI to enable your users working at home or remote office

- Design your Cloud VDI
- Multi-cloud integration with managed VPN
- Connect the Directory Service for AWS Workspaces
- Provide your name resolution by using Route 53 resolver
- Launch Cloud desktops in your security network framework
- Connect to your workspaces securely with supported devices
- Security control of your workspaces

Remarks:

Since the workshop is NOT based on a lab environment; students are required to use their own AWS account to build the infrastructure. Each student will get FREE AWS credits valued at USD25. It is highly recommended that they create a New AWS account and use Hong Kong Region.