**Introduction to Networking**



**Introduction to Networking**

**Course Objective**

* To understand the implementation, design principles and goals of a Computer Network and touches upon the various routing algorithms used in CN (such as link-state and distance vector).

**Target Audience**

* Security personnel who are currently tasked with assessing the technical risks of cloud computing
* Network and systems administrators who currently manage private clouds or need to leverage hybrid and/or public cloud services
* Technical auditors and consultants who need to gain a deeper understanding of cloud computing and security concerns
* Security and IT managers who need to understand the risks of cloud computing and advise business management of the risks and various approaches involved

**Course Outline**

* **Day 1**
* Introduction
* Computer Networking Overview
* What This Class is Not About
* **Day2**
* Architecture & Principles
* A Brief History of the Internet
* Architectural Design Principles
* Packet Switching
* File Transfer
* End to End Argument Violations
* **Day 3**
* Switching
* Switching and Bridging
* Bootstrapping: Networking Two Hosts
* ARP: Address Resolution Protocol
* Interconnecting LANs with Hubs
* Switches: Traffic Isolation
* Spanning Tree
* Switches vs. Routers
* **Day 4**
* Routing
* Internet Routing
* Intra-AS Topology
* Distance-Vector Routing
* Link State Routing
* Interdomain Routing
* IGP vs. iBGP
* BGP Route Selection
* Multiple Exit Discriminator (MEI)
* Interdomain Routing Business Models
* **Day 5**
* Naming, Addressing & Forwarding
* IP Addressing
* Pre-1994: “Classful” Addressing
* IP Address Allocation
* Classless Interdomain Routing (CIDR)
* Multihoming Frustrates Aggregation
* Address Lookup Using Tries
* Memory Efficiency and Fast Lookup
* Alternatives to LPM with Tries
* NAT and IPv6
* Network Address Translation (NAT)
* **The Feature Of Asia Master Training And Development Center**
* we pick up the customer from the airport to the hotel.
* we give the participant training bag includes all the necessary tools for the course.
* Working within groups to achieve the best results.
* All our courses are confirmed and we do not postpone or cancel the courses regardless of the number of participants in the course.
* We can assist you in booking hotels at discounted prices if you wish to book through us.
* We offer the certificate from Asia Masters Center for Training and Administrative Development.

The Cost Of The Training Program Includes The Following:

1. Scientific article on flash memory.
2. Training Room.
3. Training.
4. Coffee break.
5. The training bag includes all the tools for the course.

|  |
| --- |
|  Price (USD) |
| Communicate with the training departmentto know the participation fees* There are offers and discounts for groups
 |
| The details of the bank account |
| Bank name: CIMB Bank Berhad Account name: Asia Masters Center SDN. BHDBank account number: 80-0733590-5 Swift code: CIBBMYKLIBAN: Null |