



IT NETWORK FUNDAMENTALS HANDS-ON TRAINING

Course Description

This course is designed to provide participants with a foundational understanding of IT network fundamentals, covering essential concepts and skills required for building, configuring, and managing computer networks. Participants will learn about IPv4 addressing, subnetting, cabling standards, basic networking CLI commands, and fundamental concepts of Cisco routers and switches. Additionally, the course will cover VLANs and VLAN trunking, enabling participants to design and implement basic network architectures. Through a combination of theoretical instruction, hands-on lab exercises, and practical demonstrations, participants will develop the knowledge and skills necessary to pursue a career in networking or advance their existing IT skills.

A Comprehensive two
(2) day hands-on
training for Network
newbies and would-be
Network Administrators!

Conducted by one of
best Networking Trainers
in the Philippines!

Full packed with essential
networking topics -
including IP Addressing
and Subnetting, CLI
Commands and some
CISCO CLI Commands!

Get after training
professional support!

ITLLECTUAL MANILA

Suite 210 FMSG Bldg.
1823 E. Rodriguez Sr. Ave.
Brgy. Immaculate Conception
Cubao, Quezon City
Philippines 1111

www.itelleqq.com

0915-4885708 | 0919-5618888



Course Objectives:

Upon completion of this training, participants will be able to:

- ✓ Understand the fundamentals of TCP/IP and IPv4 addressing.
- ✓ Subnet IPv4 networks to efficiently allocate IP addresses.
- ✓ Implement industry-standard cabling practices for network installations.
- ✓ Execute basic networking CLI commands for network configuration and troubleshooting.
- ✓ Configure and manage Cisco routers and switches using basic commands.
- ✓ Design, configure, and troubleshoot VLANs for network segmentation and security.
- ✓ Implement VLAN trunking to extend VLANs across multiple network switches.
- ✓ Apply network fundamentals knowledge to design and implement basic network architectures.

Course outline:

Module 1: Introduction to IT Network Fundamentals

- ✓ Overview of computer networks
- ✓ Introduction to TCP/IP and OSI model

IPv4 Addressing and Subnetting

- ✓ Understanding IPv4 addressing
- ✓ Subnetting IPv4 networks
- ✓ Subnetting practice exercises

Cabling Standards and Practices

- ✓ Introduction to cabling standards (e.g., TIA/EIA-568)
- ✓ Ethernet cabling types and categories
- ✓ Hands-on cabling exercises

Basic Networking CLI Commands

- ✓ Introduction to networking CLI (Command Line Interface)
- ✓ Common networking CLI commands
- ✓ Hands-on lab exercises with networking CLI commands

Basic Cisco Router and Switch Commands

- ✓ Introduction to Cisco IOS (Internetwork Operating System)
- ✓ Basic Cisco router and switch configuration commands
- ✓ Hands-on lab exercises with Cisco router and switch commands

Virtual LANs (VLANs)

- ✓ Understanding VLAN concepts and benefits
- ✓ VLAN configuration on Cisco switches
- ✓ Hands-on lab exercises with VLAN configuration

VLAN Trunking

- ✓ Introduction to VLAN trunking protocols (e.g., 802.1Q)
- ✓ Configuring VLAN trunking on Cisco switches
- ✓ Hands-on lab exercises with VLAN trunking configuration

Target Audience:

professionals seeking to enhance their networking skills, and anyone interested in learning the fundamentals of computer networking.

Prerequisites:

Basic computer literacy and familiarity with operating systems and computer hardware are recommended but not required.

Duration:

2-Days | 14-hours (Customizable based on specific training needs)

Delivery Method:

Instructor-led training with a combination of lectures, case studies, group discussions, actual demonstration, and hands-on exercises.

Certification:

Upon successful completion of the training program and assessment, participants will receive a Certificate of Completion in IT Network Fundamentals Training.

Training Investment:

Per head Investment – Php10,080.00 (VAT-Inc)

Exclusive/Group Training – Php 100,800.00 (VAT-Inc), maximum of 10 participants

Outside Manila or Provincial Training – Subject to verification and customized costing.

Securing the training slot:

Upon settling the training investment, send the proof of payment, full name, mobile number, and email address to itllectualmanila@gmail.com.

Where to pay:

Bank Name: LANDBANK OF THE PHILIPPINES

Account Name: ITELLEQQ TRAINING AND CONSULTANCY

Account Number: 5462-0024-42

Bank Name: BANCO DE ORO

Account Name: VANESA CEZAR

Account Number: 001100-205134

GCASH

Account Name: VANESA CEZAR

Gcash Number: 09154655700

Other concerns? Contact our Hotline:

0915-4885708 | 0919-5168888 | itllectualmanila@gmail.com

*"Anyone who stops learning is old, whether 20 or 80, anyone who keeps learning stays young.
The greatest thing in life is to keep your mind young."*

– Henry Ford –
