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Course: CCNP

Duration: 40 Hrs (Changeable) | Fees: Individual / Batch

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Our Courses/Internship

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- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
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- Odoo, Salesforce, Sap
- Microsoft Excel
- Ethical Hacking



Syllabus on the Next Page ..



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IPv6

- * IPv6 Introduction
- * IPv6 Addressing
- * IPv6 Address Types
- * IPv6 Static Addressing
- * IPv6 Static
- * Default Routing
- * OSPFv3 - IPv6 OSPF & EIGRP - IPv6

ROUTING REDISTRIBUTION


- * Redistribution - Introduction
- * EIGRP - RIP Redistribution
- * OSPF - RIP Redistribution
- * OSPF - EIGRP Redistribution


EIGRP PROTOCOL

EIGRP CLASSIC

- * EIGRP Routing
- * EIGRP - Works explanation
- * Verify EIGRP Process
- * EIGRP Tables
- * EIGRP Convergence
- * Metric Path Calculation - PART 1
- * EIGRP Configuration Metric Path Calculation - PART 2
- * Successor - Feasible Successor

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- * Feasible Distance - Reporting Distance
- * Feasibility Condition

EIGRP OPTIMIZATION

- * EIGRP Load Balancing - Equal Cost
- * EIGRP Load Balancing - unequal Cost
- * EIGRP Stuck In Active
- * EIGRP Stub
- * EIGRP Summarization

EIGRP NAME MODE


- * EIGRP Name Mode (THEORY)
- * EIGRP Name Mode - Routing
- * EIGRP Name Mode - Authentication ;


OSPF PROTOCOL

OSPF-BASIC

- * Open Shortest Path First - OSPF
- * OSPF - How it Works
- * OSPF Neighbors
- * OSPF Router -ID
- * OSPF Link State Database -LSDB
- * Exchanging LSDB
- * Synchronize OSPF LSDB - Calculate Best Route
- * Maintaining Neighbors - LSDB OSPF Tables

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OSPF SINGLE AREA

- * OSPF Configuration - Syntax
- * OSPF Wild card Mash
- * OSPF Single Area-Prerequisite
- * OSPF Single Area - Configuration
- * OSPF Single Area - Verification

OSPF METRIC

- * Calculate OSPF Best Routes
- * OSPF Metric -Cost
- * Changing Interface Bandwidth
- * Default Reference Bandwidth - Limitations
- * Manual Cost
- * Auto Cost Reference Bandwidth

OSPF MULTI AREA


- * OSPF Single area - Limitations
- * OSPF Multiple Areas
- * Multiple Areas - Design Rules
- * Multiple Areas - Configuration
- * OSPFv2 Interface Advertisements

OSPF DR-BDR

- * OSPF Network Types
- * OSPF Broadcast Types - DR - BDR

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- * DR- BDR Elections
- * OSPF DR-BDR - LAB
- * OSPF Point to Point Links

OSPF ADVANCE

- * OSPF Virtual Links
- * OSPF LSA Types

OSPF STUBS

- * OSPF STUBS
- * OSPF STUBS - LAB
- * OSPF Totally STUB
- * OSPF Totally STUB - LAB
- * NSSA - Not So Stubby Area
- * NSSA - Not So Stubby Area - LAB
- * Totally NSSA, STUBS REVIEW


AUTHENTICATION


- * Routing Protocol Authentication
- * EIGRP Authentication
- * OSPF Authentication
- * OSPF Interface level Authentication

ROUTE FILTERING

- * Route Filtering - Introduction
- * Passive Interface

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- * Passive Interface - LAB
- * Distribution List
- * IP Prefix-Lists

BGP ATTRIBUTES

- * BGP Attributes
- * AS-PATH - ORigin - NExtHop
- * BGP Weight A Local Preference
- * Path Manipulation - Weight Attribute
- * Weight Using Route-maps - LAB
- * Understand IN - OUT Directions to Apply
- * BGP Local Preference Attribute
- * Local Preference with Route-Maps

VPN


- * Virtual Private Networks
- * VPN Types - Site to Site Remote Access
- * VPN Logical Topologies VPN Default Lab Setup - Routers
- * VPN Over Internet VPN Over Internet
- * Generic Routing Encapsulation - GRE

MPLS

- * MPLS introduction
- * MPLS Labels - MPLS Stacks
- * Sharing Label Information

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- * MPLS LDP Configuration

SWITCHING

- * switching concepts
- * initial configuration-commands
- * virtual lan
- * trunking
- * dtp protocol
- * inter vlan routing

(Click on Course for more details)

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- Thank You -

N.B: This syllabus is not final and can be customized as per requirements / updates.

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