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Become A **Network Expert** for **Top Product** Companies

OSPF, BGP & MPLS Mastery Course

designed for **working professionals**

CISCO ARISTA JUNIPER NETWORKS

1000+ Professionals Upskilled | **15 LPA+** Average CTC | **85%+** Interview Success Rate

Your Instructor:
Apoorv Dabral
CCIE R&S Certified
Ex-Cisco || Ex-Arista

Enroll Now →

@ ~~₹17,000~~ **₹13,500/-**

***FOR LIMITED SEATS**

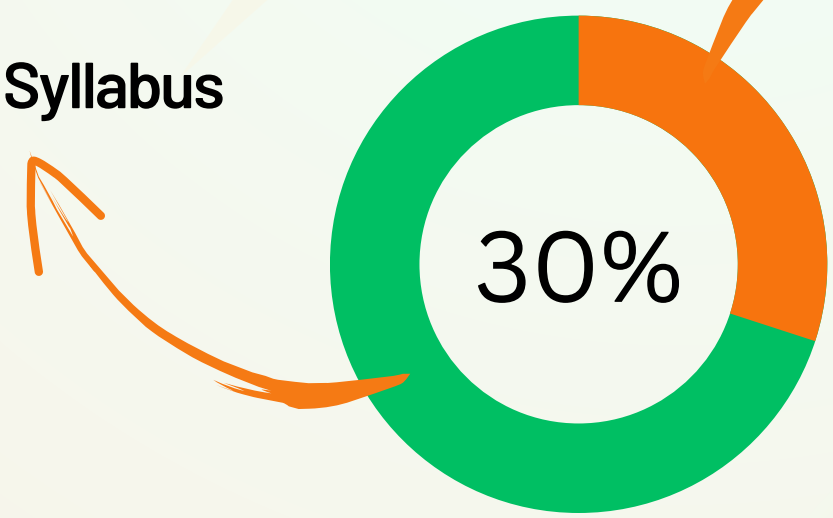
WHY ? LEARN

OSPF | BGP | MPLS

- Core routing protocols used in IP networks
- Proficiency in OSPF, BGP, and MPLS is highly valued in the IT industry.
- Protocols are covered in various IT certifications such as Cisco's CCNA, CCNP, and CCIE.

CISCO CERTIFIED CCIE ENTERPRISE

CCIE Exam



Rest of the Syllabus

Approximately 30% of the CCIE exam content is dedicated to the OSPF, BGP, and MPLS protocols.

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WHY ? LEARN

OSPF | BGP | MPLS

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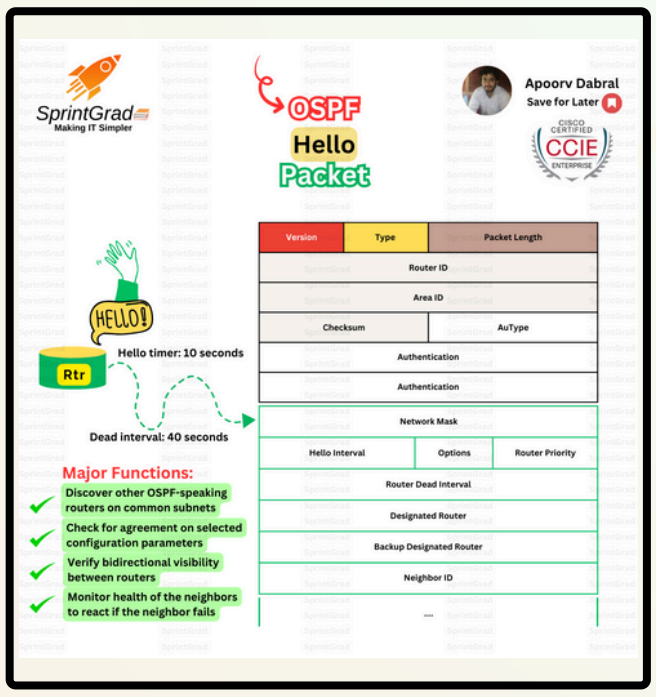
Teaching Approach

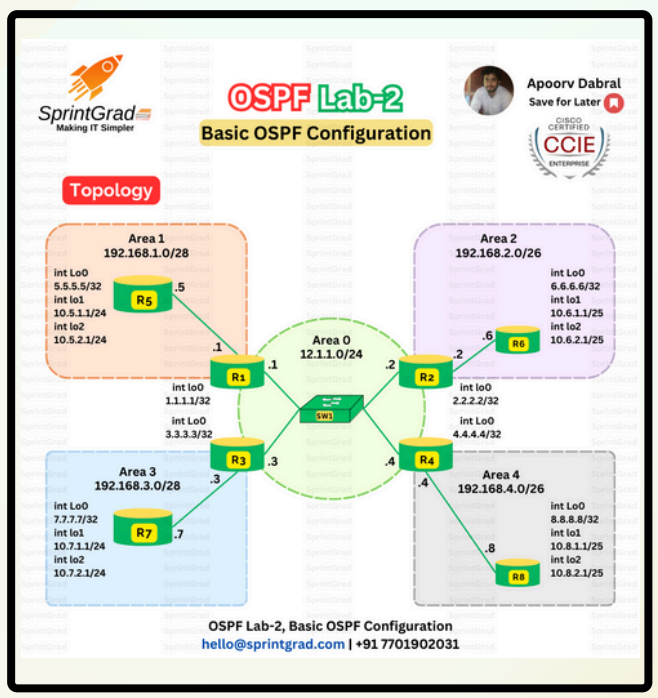
Theory

**Comprehensive Slides,
Interactive Discussions,
Updated and Relevant Content**



Practicals

**Lab-Based Learning.
Configuration, Verification,
troubleshooting tasks**



Assignments

**Quizzes
Evaluation
Feedback**

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WHY ? LEARN

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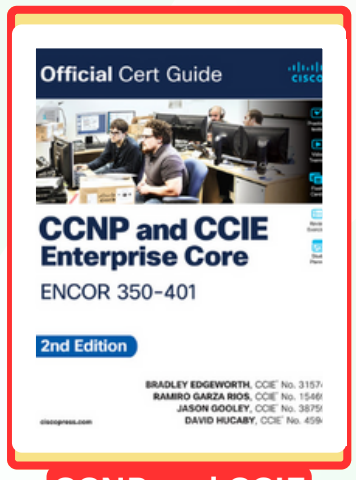
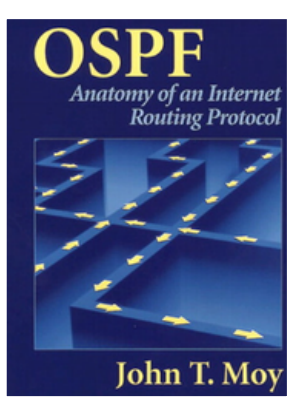
Crafted with passion and dedication

Incorporating insights, guidance, and inspiration from the finest books available on these technologies



CCNP and CCIE Enterprise Core ENCOR



OSPF: Anatomy of an Internet Routing Protocol

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Course

MPLS Fundamentals

BGP Design and Implementation

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WHY ? LEARN

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Course Features:

- Live Interactive Classes by Industry Experts
- Theory, Practical, and Assignment Approach
- Learn from Scratch till CCIE Level (Zero to Hero)
- Virtual Lab Access
- Doubt Clearing Spaces
- Course Certification
- 1 Mock Interview
- Lifetime Access

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OSPF | BGP | MPLS With US !

Learn
Like Never Before!

Register Now!!

OSPF | BGP | MPLS Course		
Track	Regular Track	Weekend(Sat & Sun)
Duration	2.5-3 Months	5 Months
Hours	2 Hours a Day	3 Hours a Day
Training Mode	Online	Online

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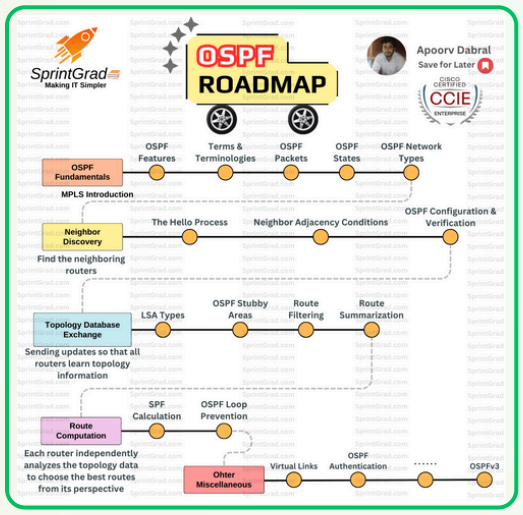
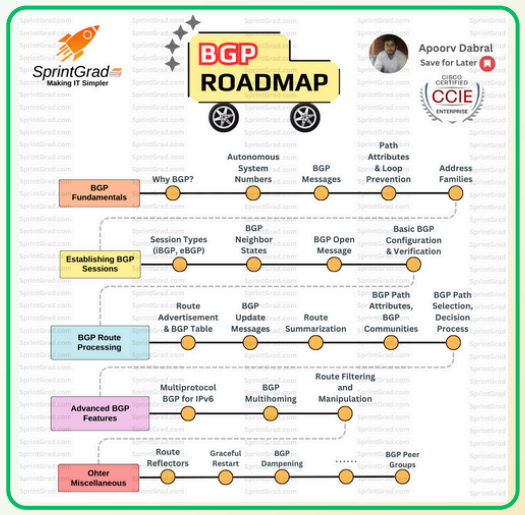
With US !

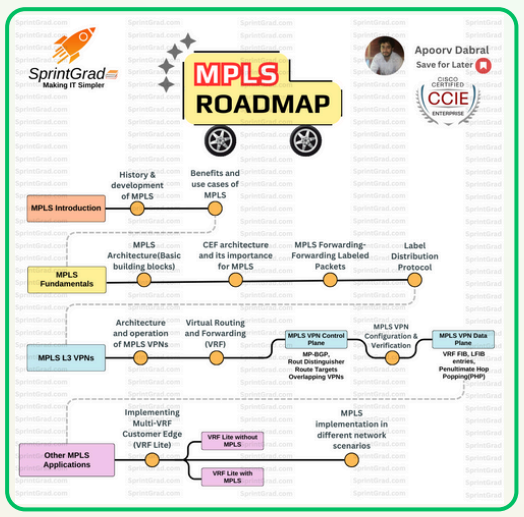
COURSE ROADMAP



OSPF



BGP



MPLS

SLIDE

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OSPF ROADMAP

OSPF Fundamentals
- OSPF Features
- Terms & Terminologies
- OSPF Packets
- OSPF States
- OSPF Network Types

MPLS Introduction

Neighbor Discovery
- The Hello Process
- Neighbor Adjacency Conditions
- OSPF Configuration & Verification

Find the neighboring routers

Topology Database Exchange
- LSA Types
- OSPF Stubby Areas
- Route Filtering
- Route Summarization

Sending updates so that all routers learn topology information

Route Computation
- SPF Calculation
- OSPF Loop Prevention

Each router independently analyzes the topology data to choose the best routes from its perspective

Ohter Miscellaneous
- Virtual Links
- OSPF Authentication
- .....
- OSPFv3

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BGP ROADMAP

BGP Fundamentals

- Why BGP?
- Autonomous System Numbers
- BGP Messages
- Path Attributes & Loop Prevention
- Address Families

Establishing BGP Sessions

- Session Types (iBGP, eBGP)
- BGP Neighbor States
- BGP Open Message
- Basic BGP Configuration & Verification

BGP Route Processing

- Route Advertisement & BGP Table
- BGP Update Messages
- Route Summarization
- BGP Path Attributes, BGP Communities
- BGP Path Selection, Decision Process

Advanced BGP Features

- Multiprotocol BGP for IPv6
- BGP Multihoming
- Route Filtering and Manipulation

Ohter Miscellaneous

- Route Reflectors
- Graceful Restart
- BGP Dampening
- .....
- BGP Peer Groups

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MPLS ROADMAP

MPLS Introduction

- History & development of MPLS
- Benefits and use cases of MPLS

MPLS Fundamentals

- MPLS Architecture(Basic building blocks)
- CEF architecture and its importance for MPLS
- MPLS Forwarding- Forwarding Labeled Packets
- Label Distribution Protocol

MPLS L3 VPNs

- Architecture and operation of MPLS VPNs
- Virtual Routing and Forwarding (VRF)
- MPLS VPN Control Plane
  - MP-BGP,
  - Rout Distinguisher
  - Route Targets
  - Overlapping VPNs
- MPLS VPN Configuration & Verification
- MPLS VPN Data Plane
  - VRF FIB, LFIB entries,
  - Penultimate Hop Popping(PHP)

Other MPLS Applications

- Implementing Multi-VRF Customer Edge (VRF Lite)
  - VRF Lite without MPLS
  - VRF Lite with MPLS
- MPLS implementation in different network scenarios

CONNECT WITH US

1 SHARE

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