

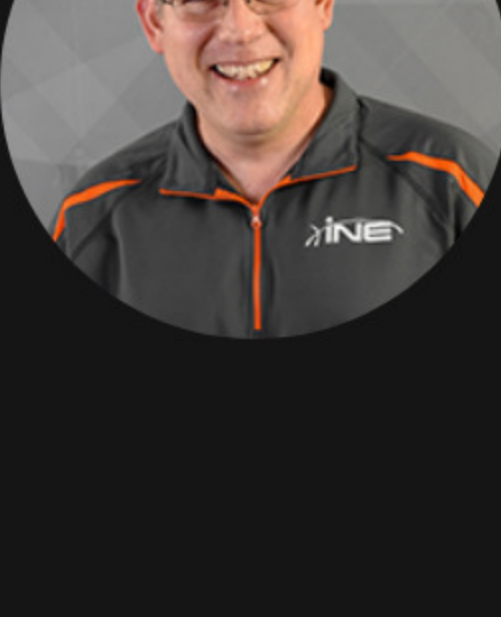
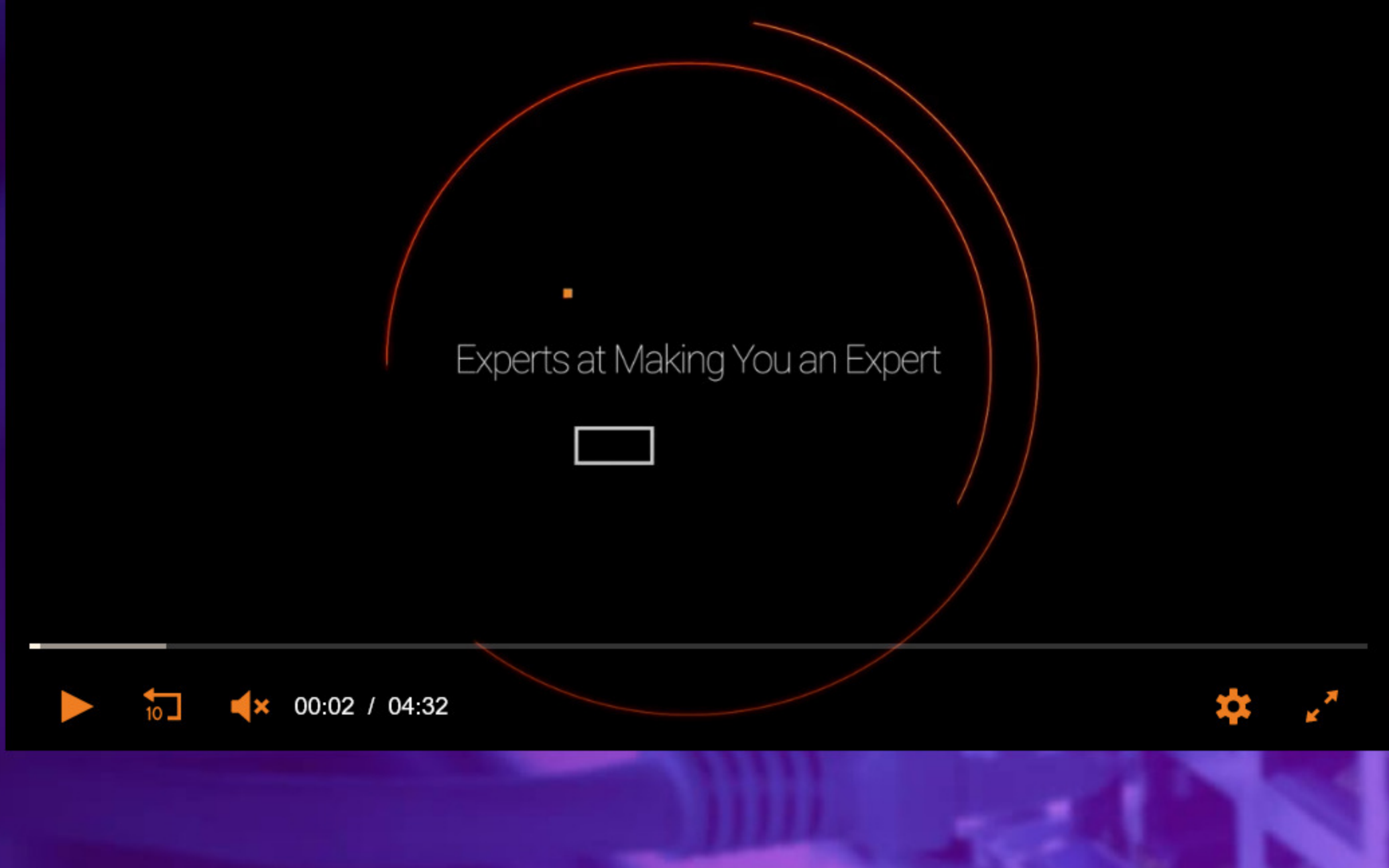
CISCO

Practical Design for Enterprise IP Routing

You've taken the time to learn how to configure, implement and troubleshoot your favorite routing protocol. Perhaps it's EIGRP or OSPF. Maybe you're a BGP configuration expert. But do you know the best practices and guidelines to design an Enterprise network with these protocols such that they can scale and be secure? This course will take you to the next level in your Network Engineering journey by going over the best practices and design guidelines for EIGRP, OSPF, IS-IS, BGP and Route Redistribution for Enterprise networks. You'll learn how to implement a routing protocol in such a way that it can grow as your network grows. You'll learn how to secure your protocols against rogue routers or malicious intent. You'll learn how to add BGP to an Enterprise network that has grown beyond the capabilities of its IGP and much, much more.

✓ Active

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INSTRUCTOR

Keith Bogart

CERTIFICATIONS

CCIE #4923

COURSE DURATION

11h 13m

DIFFICULTY LEVEL

Professional

COURSE FILES

INE-Design-Principles-for-Routing-Course-File.zip



Course Progress

▶ Begin

Welcome

Jump to category ▾

Introduction

Activities: 1

0/1 Items finished

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✓ Course Introduction

6m 57s

Resume video

Principles

Activities: 8

0/8 Items finished

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General Design Principles

✓ Why a Good Routing Design Matters

8m 29s

Resume video

✓ Test your knowledge: Why a Good Routing Design Matters

3 questions

Start quiz

✓ The Three Tier Hierarchical Model

12m 50s

Resume video

✓ Test your knowledge: The Three Tier Hierarchical Model

4 questions

Start quiz

✓ General Routing Design Tips

17m 40s

Resume video

✓ Test your knowledge: General Routing Design Tips

4 questions

Start quiz

✓ Selecting a Routing Protocol

19m 5s

Resume video

✓ Test your knowledge: Selecting a Routing Protocol

5 questions

Start quiz

Design

EIGRP Design

Activities: 8

0/8 Items finished

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✓ Best Practices for EIGRP Route Tuning

12m 4s

Resume video

✓ Test your knowledge: Best Practices for EIGRP Route Tuning

3 questions

Start quiz

✓ EIGRP Scalability Best Practices

15m 17s

Resume video

✓ Test your knowledge: EIGRP Scalability Best Practices

2 questions

Start quiz

✓ EIGRP Security Guidelines

15m 53s

Resume video

✓ Test your knowledge: EIGRP Security Guidelines

3 questions

Start quiz

✓ Other General EIGRP Design Guidelines

22m 11s

Resume video

✓ Test your knowledge: Other General EIGRP Design Guidelines

4 questions

Start quiz

OSPF Design

Activities: 8

0/8 Items finished

[Hide details](#)

✓ Best Practices for OSPF Path Manipulation

29m 52s

Resume video

✓ Test your knowledge: Best Practices for OSPF Path Manipulation

3 questions

Start quiz

✓ Ensuring OSPF Scalability

10m 57s

Resume video

✓ Test your knowledge: Ensuring OSPF Scalability

3 questions

Start quiz

✓ OSPF Security Guidelines

4m 52s

Resume video

✓ Test your knowledge: OSPF Security Guidelines

4 questions

Start quiz

✓ Other OSPF Guidelines

11m 24s

Resume video

✓ Test your knowledge: Other OSPF Guidelines

4 questions

Start quiz

IS-IS Design

Activities: 9

0/9 Items finished

[Hide details](#)

✓ IS-IS Review

18m 54s

Resume video

✓ IS-IS Area Determination

12m 16s

Resume video

✓ Test your knowledge: IS-IS Area Determination

3 questions

Start quiz

✓ IS-IS Scalability Design

14m 31s

Resume video

✓ Test your knowledge: IS-IS Scalability Design

4 questions

Start quiz

✓ IS-IS Path Manipulation

10m 3s

Resume video

✓ Test your knowledge: IS-IS Path Manipulation

3 questions

Start quiz

✓ IS-IS Security Design

7m 48s

Resume video

✓ Test your knowledge: IS-IS Security Design

2 questions

Start quiz

Enterprise BGP Design

Activities: 17

0/17 Items finished

[Hide details](#)

✓ Optimizing BGP for ISP Connections

18m 41s

Resume video

✓ Test your knowledge: Optimizing BGP for ISP Connections

4 questions

Start quiz

✓ Enterprise BGP - Introduction To Core Network Design

3m 27s

Resume video

✓ iBGP Core Network Design

22m 43s

Resume video

✓ Test your knowledge: iBGP Core Network Design

3 questions

Start quiz

✓ eBGP Core Network Design

14m 55s

Resume video

✓ Test your knowledge: eBGP Core Network Design

4 questions

Start quiz

✓ BGP Hybrid Core Network Design

9m 12s

Resume video

✓ Test your knowledge: BGP Hybrid Core Network Design

3 questions

Start quiz

✓ BGP Core Scalability

25m 54s

Resume video

✓ Test your knowledge: BGP Core Scalability

4 questions

Start quiz

✓ BGP Route Reflector Best Practices

22m 31s

Resume video

✓ Test your knowledge: BGP Route Reflector Best Practices

3 questions

Start quiz

✓ BGP Community Usage

21m 57s

Resume video

✓ Test your knowledge: BGP Community Usage

2 questions

Start quiz

✓ Controlling BGP Update Generation

15m 59s

Resume video

✓ Test your knowledge: Controlling BGP Update Generation

3 questions

Start quiz

Route Redistribution Design

Activities: 2

0/2 Items finished

[Hide details](#)

✓ Route Redistribution Design

17m 14s

Resume video

✓ Test your knowledge: Route Redistribution Design

4 questions

Start quiz

Goodbye

Conclusion

Activities: 1

0/1 Items finished

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✓ Course Conclusion

1m 37s

Resume video

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