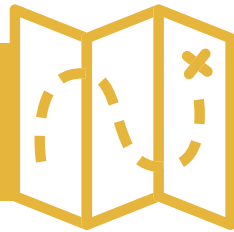


STUDY PLAN



Cisco CCNP Routing/Switching 300-101 ROUTE

Total Videos: **38** Time: **13 hrs**

STUDY STRATEGIES

Learners use a great variety of strategies to attack their training. Here are some options you can choose from to get the most out of your training experience:

Proceed through all CBT Nuggets video training on double-speed to develop a strong overview of the material; Then proceed through all the training for a second time, taking good notes and focusing on deeper learning.

OR

Proceed through all CBT Nuggets video training, taking good notes and focusing on deep learning on the first pass; Then proceed back through all training a second time, using double-speed when appropriate.

Supplement all video training with book study and practical application of knowledge.

Develop a test environment where new skills can be practiced.

Learn more about how to get all you can out of your practice exam experience from a quick video by Keith Barker



PRACTICE EXAM STRATEGIES

CBT Nuggets offers practice exams as part of your subscription. You can take the practice exams as many times - and as often - as you like! Here are some tips to help you take full advantage of this excellent resource:

! PLAN TO TAKE THE PRACTICE EXAM 3 TIMES

FIRST EXAM

Create a baseline against which you can measure your progress with future exams.

Identify areas of weakness in order to direct your training as you move forward.

SECOND EXAM

Measure your progress since your first practice exam! Ask yourself: Are you retaining the information and material you learned at the beginning of your training? Are there areas to which you should return now to ensure your understanding before moving forward?

The results from your second practice exam experience should help you identify areas where you may need to spend extra effort and energy in the training ahead.

THIRD EXAM

Measure your progress against your first two practice exams! Ask yourself: Are you scoring 90% by now? If so, you might be ready for the real thing!

Allow the results from your practice exam to direct your review ahead of your certification exam. Ask yourself: Are you retaining all the material? And are you understanding it well?

KEY

5. Intro:

IPv6 Review and
RIPng

25 min.

The number and title for each video corresponds to the number and title you will find on the Cisco CCNP Routing/Switching 300-101 ROUTE and Cisco CCNP Route 300-101 Hands-on Labs Exam Prep course page online (and on your mobile device).

The duration of the video.

**EXTRA
MILE**

The Extra Mile section of your study plan challenges you to dig a little deeper with your training. The Extra Mile might be a textbook recommendation, supplemental materials downloads, or other resources to help you take your training to the next level. Nothing in the Extra Mile is required, but it is here to help you learn.

Cisco CCNP Routing/Switching 300-101 ROUTE

WEEK 1

1. Welcome:

Course Overview and
Cisco Certification

13 min.

2. Intro:

Technology
Connecting Offices

23 min.

3. Intro:

A Focus on GRE and
DMVPN

32 min.

4. Intro:

Routing Protocol
Choices

11 min.

5. Intro:

IPv6 Review and
RIPng

25 min.

6. EIGRP:

Overview,
Communication, and
Neighbors

27 min.

**EXTRA
MILE**

Explore the [Cisco website](#) to learn more about the CCNA exam, its requirements, and available resources.

Download [NuggetLab files/materials](#) that supplement the video training.

Watch the MicroNugget: [Building a CCNP Home Lab](#) on the CBT Nuggets [YouTube channel](#).

**"Patience, persistence
and perspiration make an
unbeatable combination
for success."**

- Napoleon Hill

WEEK 2

7. EIGRP:
Base configuration

9 min.

8. EIGRP:
Summary Routes

9 min.

9. EIGRP:
Security

12 min.

10. EIGRP:
L2 and L3 MPLS
Design

8 min.

11. EIGRP:
Frame Relay Design

12 min.

12. EIGRP:
Frame Relay Point-to-
Point Configuration

11 min.

EXTRA
MILE

Download and review [exam topics and details](#).

Consider practicing your skills by taking advantage of an online lab like [Boson.com](#). Or jump into the CBT Nuggets [Hands-on Exam Prep course](#) (see guide at end of this plan).

Take the Practice Exams! Use the results to drive your review and practice ahead of your certification exam*. [Transcender Cisco Cert-300-101](#)

*Keep in mind that you've not completed the training yet so you probably won't ace the exam. This helps you assess how well you are retaining the material you've learned so far!

WEEK 3

13. EIGRP:
Frame Relay
Multipoint
Configuration

12 min.

14. EIGRP:
Stub Routing

8 min.

15. EIGRP:
Load Balancing

5 min.

16. EIGRP:
IPv6 Configuration

6 min.

17. EIGRP:
Named
Configuration

5 min.

18. OSPF:
Understanding Core
OSPF Design

8 min.

EXTRA
MILE

Create flashcards to quiz yourself on the content from your training! Or, use existing flashcard resources such as [Quizlet.com](#).

Practice, practice, practice!

"Concentration and mental toughness are the margins of victory."

- Bill Russell

WEEK 4**19. OSPF:**

OSPF Neighbor Relationships – The Nitty Gritty

*10 min.***20. OSPF:**

DR/BDR Relationships, Neighbor States, and SPF Algorithm

*18 min.***21. OSPF:**

Implementing Summarization on ABRs and ASBRs

*12 min.***22. OSPF:**

Special Area Types

*14 min.***23. OSPF:**

Virtual Links

*6 min.***24. OSPF:**

Configuring OSPFv3

*7 min.***EXTRA MILE**

Spend 3-4 hours working in a practice lab to truly understand what you are learning.

[Schedule your certification exam](#) with an approved testing site.

“Accept the challenges so that you can feel the exhilaration of victory.”

- George S. Patton

WEEK 5**25. Redistribution:**

Understanding Route Redistribution Concepts

*11 min.***26. Redistribution:**

Configuring Basic Redistribution

*8 min.***27. Redistribution:**

Filtering with Distribution Lists

*8 min.***28. Redistribution:**

Prefix List Concepts

*9 min.***29. Redistribution:**

Route-map Concepts and Filtering

*14 min.***30. Redistribution:**

Configuring Redistribution with Prefix Lists

*7 min.***EXTRA MILE**

Visit the [CBT Nuggets blog](#) to learn more about how to get the most out of your practice exam experience!

Practice, practice, practice!

Retake the Practice Exams! Use the results to drive your review and practice ahead of your certification exam*. [Transcender Cisco Cert-300-101](#)

*As a good rule of thumb, you should be scoring about 90% on your practice exam if you expect to pass your certification exam.

WEEK 6

31. Path Control:
Policy-Based Routing

14 min.

32. Path Control:
Using IP SLA

16 min.

33. BGP:
Understanding Internet
Connection Options

18 min.

34. BGP:
Understanding BGP
Neighbor Relationships

22 min.

35. BGP:
Understanding Key
BGP Attributes

12 min.

**36. Miscellaneous
Protocols:**
Understanding and
Configuring SNMPv3

11 min.

EXTRA
MILE

BACK TO THE LAB!

Spend 3-5 hours working through what you're learning to get the hands-on experience you need to succeed.

"It's what you learn after you know it all that counts."

- John Wooden

WEEK 7

**37. Miscellaneous
Protocols:**
Understanding and
Configuring PPPoE

8 min.

**38. Miscellaneous
Protocols:**
Cisco Easy Virtual
Networking (EVN)

12 min.

EXTRA
MILE

CRAM SESSIONS!

Review training Nuggets where you might need to brush up! (2-5 hours)

"Your mind will answer most questions if you learn to relax and wait for the answer."

- William S. Burroughs

OPTIONAL TRAINING:

Cisco CCNP Route 300-101 Hands-on Labs Exam Prep

WEEK 8	1. Ladies and Gentlemen, start your engines...	2. DMVPN Lab	3. IPv6 RIPng Lab	4. IPv6 ACL and VTY	5. Frame Relay Multi-Point	6. Frame Relay Point-to-Point	7. IPv4 EIGRP Summarization
	3 min.	24 min.	10 min.	9 min.	13 min.	14 min.	14 min.
	8. IPv4 EIGRP Distribute-list	9. IPv4 EIGRP Authentication	10. Named EIGRP and VRF Support	11. EIGRP Stub	12. Policy-Based Routing (PBR)	13. Variance	
	6 min.	6 min.	9 min.	7 min.	12 min.	15 min.	
WEEK 9	14. IPv6 OSPFv3 Virtual-link	15. IPv4 OSPF Basics	16. OSPF Stub	17. Redistribution	18. Sub-optimal Routing	19. uRPF	20. IP Helper
	16 min.	9 min.	11 min.	19 min.	13 min.	12 min.	8 min.
	21. BGP	22. IPv6 EIGRP and Variance	23. NTP	24. IPv6 in IPv4 Tunneling	EXTRA MILE	PRACTICE MAKES PERFECT! Take the Practice Exam one last time! Use the results to drive your review and practice and study ahead of your certification exam*. Transcender Cisco Cert-300-101	
	12 min.	11 min.	6 min.	10 min.			

THE BIG DAY!

Take the exam.

Get a good night's sleep ahead of your exam next week!



Brag about it! Tweet us or let us know how your exam went and what you're doing to celebrate your success!