

Prepare for Success- Study Resources for CCNA and CCNP Certification

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Agenda

- CCNA & CCNP Overview
- CCNA & CCNP Learning Labs Overview
- CLN Premium and Study Resources

Network Solutions—New Challenges for Talent

Role of the Network Grows

Evolution of the Network

- Technical & business architects
- Support operations
- Designers /planners
- Vertical solutions
- Certified skills



CCNA Certification Overview

Cisco Certified Network Associate

- Proven preparation for a career in networking
- Pursuing CCNA will broaden your skill sets, and ability to manage and optimize network systems.
- The CCNA certification is a stamp of approval for associate-level professionals interested in networking.
- Solid foundation for more advanced skill-building or for specialized training.
 - CCNA Security
 - CCNA Voice
 - CCNA Wireless
 - CCNA Service Provider
 - CCNP or CCIE Routing and Switching



Cisco Route/Switch Certification Path

Entry

Experienced

Expert

Network Administrator

Professionals with the knowledge and skill to install, operate, and troubleshoot a small enterprise branch network.

CCENT

Network Analyst

Professionals with the knowledge and skills to make connections to remote sites via a WAN, and understand the requirements for wireless network access.

CCNA

Network Engineer

Professionals with the ability to plan, implement, and troubleshoot local and wide-area enterprise networks and work with specialists on advanced security, voice, wireless and video solutions.

CCNP

Sr. Network Engineer

Network experts with responsibility for performance of network technologies and solutions.

CCIE

Network Architect

Network experts with architecture responsibility for keeping the network compliant.

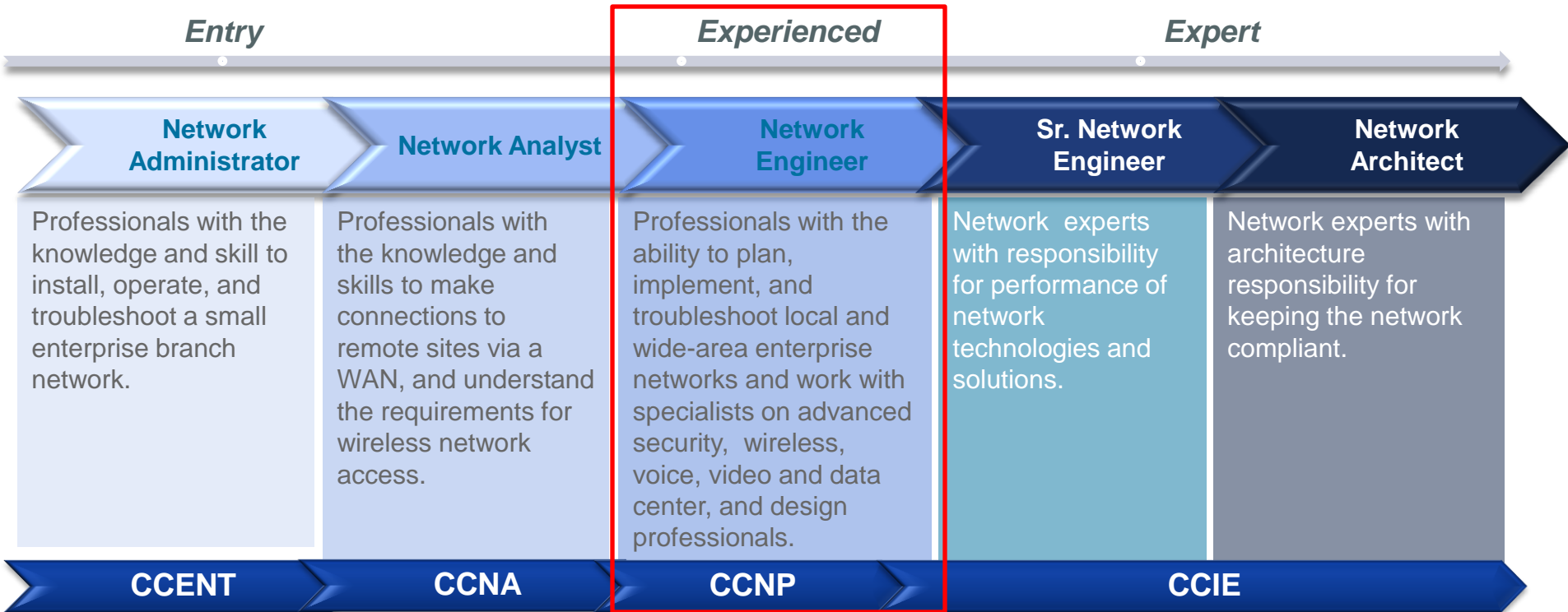
CCNP Certification Overview

Cisco Certified Network Professional

- Validates the ability to plan, implement, verify and troubleshoot local and wide-area networks
- Work collaboratively with specialists on advanced security, wireless, voice, video, datacenter solutions, and design professionals
- Job titles such as
 - Network Engineer, System Engineer, Network Support Specialist, Network Administrator, Network Consultant, System Integrator
- Solid foundation for expert level certifications such as CCIE Routing and Switching



Cisco Routing and Switching Certification Path



CCNA & CCNP Learning Labs Overview and Demo



Cisco Learning Labs: Virtual practice lab bundles for Cisco certification preparation.

First Time Ever

- Learners studying for Cisco certification can now get remote hands-on Cisco IOS Software lab practice for both routing and core switching



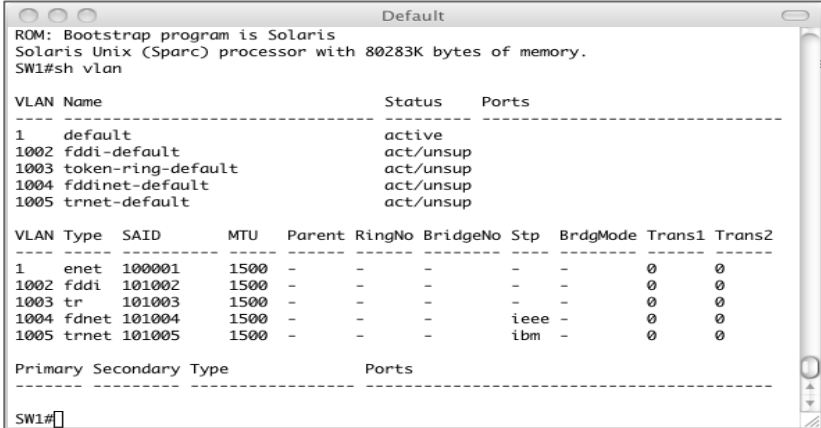
Practice with Full Version of Cisco IOS

- Real Lab Experience
 - Access latest version of Cisco IOS
 - Access Cisco IOS versions specific to Cisco training courses
- No Rote Memorization
- Convenience
 - Access from your PC
 - No downtime for equipment resets
- Time for Practice
 - 25-hours of lab time for each 90-day Subscription Bundle
 - 5-hour extension options

Powered by
Cisco IOS
Software on
Unix

Layer 2 Support

- A virtualized Layer-2 switch powered by IOS™ on Unix is available.
- For the first time, this allows users to learn and practice Layer-2 with virtualized devices supporting core Layer-2 software features.



```
ROM: Bootstrap program is Solaris
Solaris Unix (Sparc) processor with 80283K bytes of memory.
SW1#sh vlan

VLAN Name                Status    Ports
-----
1    default                 active
1002 fddi-default           act/unsup
1003 token-ring-default     act/unsup
1004 fddinet-default       act/unsup
1005 trnet-default         act/unsup

VLAN Type  SAID          MTU   Parent  RingNo BridgeNo  Stp    BrdgMode Trans1 Trans2
-----
1    enet  100001       1500   -       -       -       -       -       0       0
1002 fddi  101002       1500   -       -       -       -       -       0       0
1003 tr    101003       1500   -       -       -       -       -       0       0
1004 fdnet 101004       1500   -       -       -       ieee  -       0       0
1005 trnet 101005       1500   -       -       -       ibm   -       0       0

Primary Secondary Type            Ports
-----

SW1#
```

Different than Simulators or Emulators

- Simulators or Emulators often provide partial feature-set of Cisco IOS

The collage consists of several overlapping screenshots and documents:

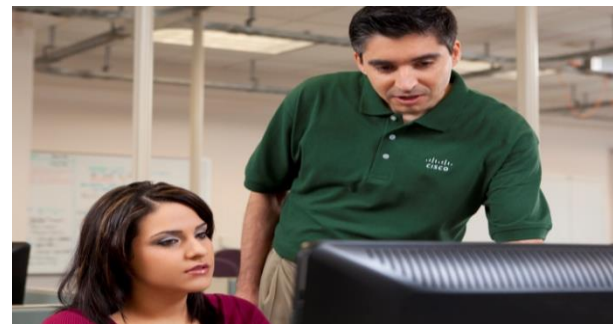
- Dynagen:** A page titled "Dynagen" with a sub-header "Cisco IOS Emulation for Professionals". It describes Dynagen as a first-class tool for users with the Dynagen Cisco IOS Emulation. It mentions that Dynagen is a first-class tool for users with the Dynagen Cisco IOS Emulation. It also includes an "Updates" section dated April 20, 2008, and a "Donations" section.
- Product Pricing Table:** A table listing various Cisco products and their prices:

Product	Price	Action
EdSim Max for Cisco 5.00 (60)	\$119.00	Shop
EdSim Max for Cisco 5.00 (60)	\$99.00	Shop
EdSim Max for Cisco 5.00 (60) (11/06/11)	\$99.00	Shop
EdSim Max for Cisco 5.00 (60) (11/06/11)	\$119.00	Shop
- Communications:** A page with a navigation menu (Home, Rack Layouts, How it works, Pricing, Contact, Register, Log in) and a "Rack layouts" section. It lists various rack layouts like "COMANCHE" and "Cisco 9800".
- Take Control:** A large banner with the text "Take Control" and "Proctor Labs". It includes a "Home" button and a "Why choose Proctor Labs" section.
- CCIE Routing & Switching vRack:** A section titled "CCIE Routing & Switching vRack" with an image of a server rack.
- CCIE Voice vRack:** A section titled "CCIE Voice vRack" with an image of a telephone.
- Proctor Labs News:** A section titled "Proctor Labs News" with a sub-header "Proctor Labs now supporting Proctor's CCE Windows lab preparation products".
- Network Diagram:** A diagram showing a network topology with various devices like routers, switches, and servers, connected in a complex manner.
- Other Documents:** Several smaller documents and images, including a "Cisco Remote Labs" page, a "Cisco IOS Emulation" page, and a "Cisco IOS Emulation" page.

Cisco Learning Labs: Learner Experience

Hands-on Learning Labs

- Hosted by Cisco
- On-demand
- Pay-as-you-go
- Accessed over the Web



Available CCNA Lab Bundles

Lab Bundle	Retail Price
CCNA ICND1 Virtualized Lab Bundle	\$79
CCNA ICND2 Virtualized Lab Bundle	\$79

35 hour, 90 day access



Cisco Learning Labs for ICND1 v2.0 35-hour 90-day labs

Part#: CLL-ICND1-V2.0-35H90D-015541
Product Line: Cisco Learning Labs
[\[Add to Wish list\]](#)

Price: **US \$79.00**

★★★★★ (3 Reviews)

Quantity:

1

[Add to Cart](#)



Available CCNP Lab Bundles

Virtualized Lab Bundle	Retail Price*
CCNP ROUTE	\$ 100 US
CCNP SWITCH	\$ 100 US
CCNP TSHOOT	\$ 100 US

www.cisco.com/go/learninglabs



Cisco Learning Labs for CCNP ROUTE v2.0 50-hour 180-day Labs

Part#: CLL-CCNPR-V2.0-50H180D-020161
Product Line: Cisco Learning Labs
[Add to Wish list]

Price: **US \$100.00**

★★★★★ (2 Reviews)

Quantity:

1

Add to Cart

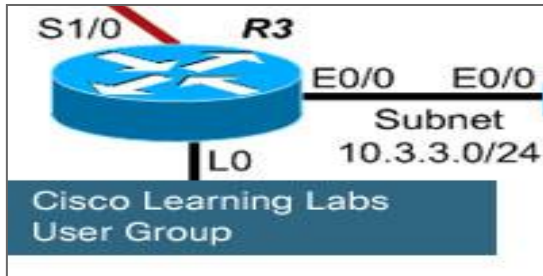


Cisco Learning Labs Product Demonstration

Cisco Learning Labs — More Information...



<http://www.cisco.com/go/learninglabs>



<http://learningnetwork.cisco.com/groups/cli>

CLN Premium and Study Resources

Cisco Learning Network

- The Cisco social learning network for networking professionals across the globe
- Learn more and register at www.ciscolearningnetwork.com
- Registering provides access to all content throughout the site
- Includes additional study material such as exam topics, discussion forums, and on-demand IT training videos



CCNP Study Groups

Ask questions and share ideas with other members as you prepare for your CCNP Exams.

CCNP R&S Study Group

Follow ↗

Leave this group

Overview Content People

Actions ▾ About Share

📄 ANNOUNCEMENT: CCNP E-Learning Webinar Recordings are Up [Show Details](#)

Welcome to the CCNP Routing and Switching Study Group, the place on the Cisco Learning Network where you can ask questions, share ideas and connect with other members as you prepare for your Certification exams.



Join the Discussion
[Participate Now](#)



Find People
[Connect Now](#)



Member Created Documents
[View Now](#)

Meet Your Community Managers

This team can help you locate the resources you need to meet your study goals and act as your advocate on the Cisco Learning Network.



Brett Lovins
[Connect with me!](#)

Actions

- [Start a discussion](#)
- [Write a document](#)
- [Upload a file](#)
- [Create a status update](#)
- [Invite people to join this group](#)
- [Group feeds](#)

Recent Content

Filter by Categories & Tags ▾

bgp stuck in opensent
3 hours ago

by raymond

ROUTE (300-101) Complete Video Course - is it enough to pass?
3 hours ago

by Rick Roots

MM_NO_STATE - ACTIVE (Deleted) in S2S IPsec VPN
3 hours ago

by Gopal

Cisco Press Resources

- CCNP Exam Certification Library for ROUTE, SWITCH and TSHOOT
- CCNP Self Study Resources for ROUTE, SWITCH and TSHOOT
 - (Official Certification Guide, Cert Kit, Cert Flash Cards, and Quick Reference, Foundation Learning Guide and Lab Manual)

Enhance Classroom or Self-Paced Training



www.ciscopress.com

Cisco Learning Network

IT Training Videos

- Free, on-demand IT training videos

CCNA R&S Study Sessions with André Laurent

Please view these on-demand study session training videos with André Laurent (Learning Network SME). This 12 session series on routing and switching topics concluded in mid-April. For more online training videos and opportunities to attend [Training Videos and Seminars page](#).

 **Live and recorded webinars are for members only.** Not a member on Cisco Learning Network? [Register Now](#). It's free. Follow updates: Click "Receive email notifications" in the Actions menu.

CCNA R&S Study Sessions

Recorded CCNA R&S Study Sessions
Login Required to View Recorded Webinars

Creating Environments - Router on a Stick Flexibility with Logical Topologies (Session 1)

[Show Title](#)

Fundamentals of Static Routing (Session 2)

[Show Title](#)

Classifying Traffic with Access Lists (Session 3)

[Show Title](#)

Fundamentals of RIP (Session 4)

[Show Title](#)

Fundamentals of BGP (Session 5)

[Show Title](#)

Fundamentals of OSPF (Session 6)

[Show Title](#)

Fundamentals of Policy-Based Routing (Session 7)

[Show Title](#)

Fundamentals of IGP to IGP Redistribution (Session 8)

[Show Title](#)

Exploring Popular Services (Session 9)

[Show Title](#)

Fundamentals of Network Address Translation (NAT) (Session 10)

[Show Title](#)

Zone-Based Policy Firewall (ZFW) (Session 11)

[Show Title](#)

BGP: Peering with the Provider (Session 12)

[Show Title](#)

Learning Center

Overview Content

Actions About Share

Log in to follow, share, and participate in this community. Not a member? [Join Now!](#)

Welcome to the Learning Center

Visit this area when you want to quickly locate and access learning resources that are available on the site including Study Groups, Study/Learn Pages and Games. In addition, come here to view and register for live technical webinars as well as get access to the recorded versions of previously held events. The Cisco Learning Network team hopes the resources found in the Learning Center will continue to aid you in your Cisco education journey.



Join a Study Group

The place on the Cisco Learning Network where you can ask questions and share ideas with other members as you prepare for your Certification. [Join Now.](#)



IT Training Videos

Hours of IT training videos on a variety of technology topics and listings of IT training tech seminars to register for and attend live. [Access Training Videos and Seminars](#)



Study/Learn Resources

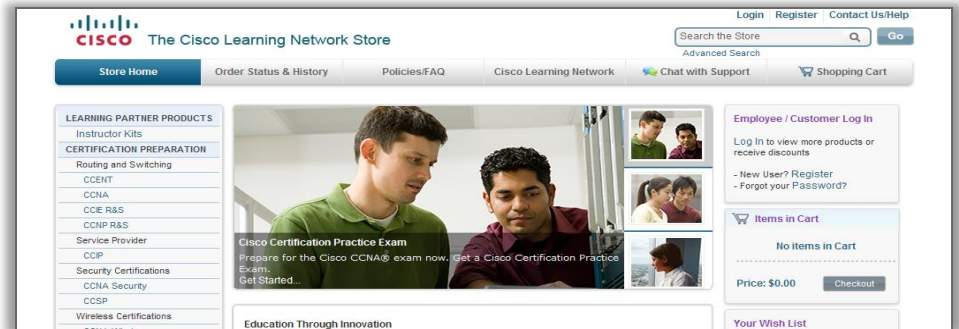
All of the Cisco Learning Network's self-study Study/Learn resources in one place, organized by certification and technology. [View the Study/Learn Master List](#)



Cisco Learning Network Store

Innovative Cisco learning products for students of all levels that are fun, challenging, and demanding.

- Cisco Learning Network Premium
- Cisco Learning Labs for CCNA and CCNP
- On-Demand Video Training Courses for CCNA and CCNP



Cisco Learning Network Premium

- 800+ videos
- Discussions
- Cisco Learning Labs

Cisco Learning Network Premium

Follow →

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Overview Content People

Actions About

ANNOUNCEMENT: Cisco Learning Network Upgrade Status [Show Details](#)

Welcome to Cisco Learning Network Premium. Whether you are pursuing a Cisco certification or working in a network operations/support role, you will find study resources here to assist in your learning objectives. The content comes from various sources, including training created for both internal Cisco engineers and the Cisco Learning Network community.

From here, you can view featured and new titles, access the content Library and Index, and ask for help. You may also interact with others by either starting or contributing to discussion threads.



Library by Technology
Index by Subject



Recommended Playlists
Premium Webinars



CCNA and CCNP
Practice Toolkit



Cisco Learning Labs

Need Help?

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Meet Your Community Managers

This team can help you locate the resources you need to meet your study goals and act as your advocate on the Cisco Learning Network.



Kay Berkel
[Connect with me!](#)

Featured Titles

New Titles

Featured Content



Cisco IPS Design and Implementation Series

Learn about the design and recommended implementation of a Cisco Intrusion Prevention System device, how it works and where it should be implemented. (00:42:52)

[Watch the Video](#)



FabricPath Live Lab Demo Series

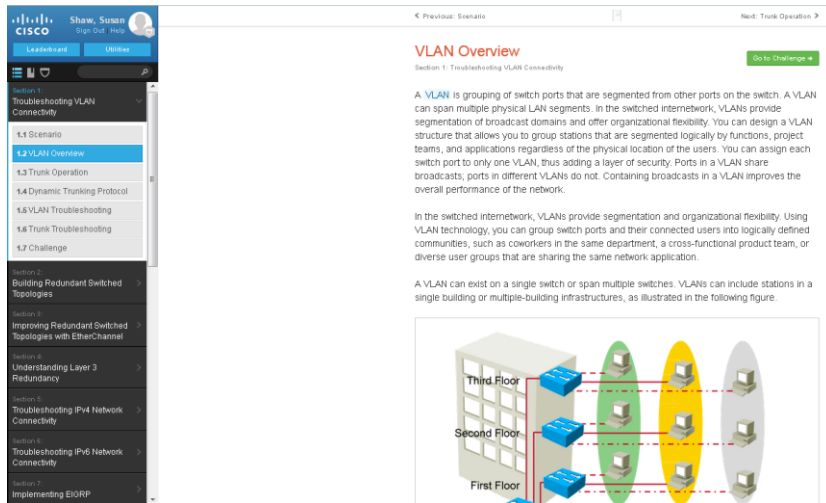
Enjoy an overview of FabricPath, an Ethernet fabric and learn how to configure and verify it. (00:54:49)

[Watch the Video](#)



On-Demand E-learning for CCNA and CCNP

- Comprehensive, all-in-one product available for exam preparation
 - Real IOS Labs included
 - Challenge questions
 - Free Demos available on the Cisco Learning Network Store



The screenshot shows the Cisco E-learning interface. On the left is a navigation menu with sections for Troubleshooting VLAN Connectivity, Building Redundant Switched Topologies, Improving Redundant Switched Topologies with Ethanol, Understanding Layer 3 Redundancy, Troubleshooting IPv4 Network Connectivity, Troubleshooting IPv6 Network Connectivity, and Implementing EIGRP. The main content area is titled "VLAN Overview" and includes a "Go to Challenge" button. The text explains that a VLAN is a grouping of switch ports segmented from other ports on the switch, allowing for logical segmentation of broadcast domains and organizational flexibility. It also notes that VLANs can exist on a single switch or span multiple switches.



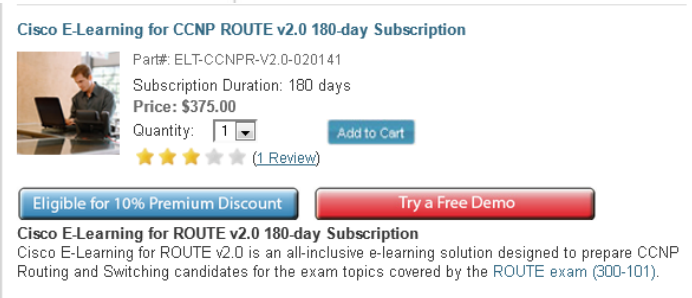
Cisco E-learning for ICND1 v2.0 180-day subscription
Part#: ELT-ICND1-V2.0-015601
Product Line: Cisco On Demand E-Learning
[Add to Wish list]

Price: **US \$499.00**
★★★★☆ (8 Reviews)

Quantity: [Add to Cart](#)




Like 3 



Cisco E-learning for CCNP ROUTE v2.0 180-day Subscription
Part#: ELT-CCNPR-V2.0-020141
Subscription Duration: 180 days
Price: \$375.00
Quantity: [Add to Cart](#)
★★★★☆ (1 Review)

[Eligible for 10% Premium Discount](#) [Try a Free Demo](#)

Cisco E-learning for ROUTE v2.0 180-day Subscription
Cisco E-learning for ROUTE v2.0 is an all-inclusive e-learning solution designed to prepare CCNP Routing and Switching candidates for the exam topics covered by the ROUTE exam (300-101).



Fast Facts about The Cisco Learning Network

Collaborative IT Learning Community



800,000+

Registered Members
Since 2008 Launch



3+ Million

Pageviews Per Month



2,500

Daily Active
Users Average

CONTAINS:



Certification Information
and study material



Study Groups/
Discussion Forums

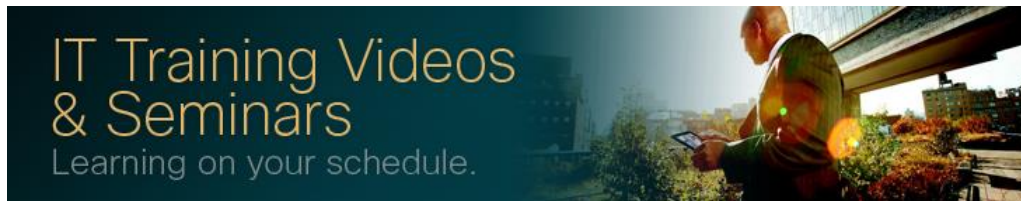


Training Videos and
Technical Seminars

What Our Members Say

“By far, one of the best study communities I have been involved with. The Cisco Learning Network is full of valuable information, but what makes it more valuable is its people. How everyone comes together to share knowledge and provide unconditional support during each members journey toward a certification goal.”

Resources!



- Exam Topics
 - [Now with Weightings](#)
- Study/Learn Resources
- Certification-Specific Study Groups
- IT Training Videos and Tech Seminars
 - [CCIE, Cisco Press Authors and Internal Expert Led](#)
- Subject Matter Experts, VIPs and Member Spotlights
- Premium Subscriptions
 - [Over 800 VOD Titles - Growing Weekly](#)
 - [Cisco Learning Labs](#)
- Robust Gamification System



Let's Take a Tour

Questions and Answers

Thank You.



CISCO

TOMORROW starts here.