

General Information – Written Exam (350-001)

CCIE Routing and Switching Written Exam #350-001

The written exam is a two-hour, multiple choice test with 100 questions covering Routing and Switching networking theory related to topics such as IP, IP routing, non-IP desktop protocols, bridging and switch-related technologies, and includes some equipment commands. The exam is closed book and no outside reference materials are allowed.

Beta Exams

Each written exam version is offered first in beta form at a discounted cost of US\$50. Beta exams are scheduled as you would other written exams and are available at all worldwide testing locations. A passing grade on the beta qualifies a candidate to schedule the lab exam. Results, however, are typically not available until six to eight weeks after the close of the beta. A candidate may attempt the beta exam only once during the beta period.

Cost

Written exams are administered by independent vendors at cost of US\$300. Costs may vary due to exchange rates and local taxes (VAT, GST).

Expiration

Candidates must make an initial attempt of the CCIE lab exam within 18 months of passing the CCIE written exam. Valid passing scores on written exams expire after 18 months.

Locations

Written exams are taken at any worldwide [VUE](#) testing facility. See their websites for more details.

Results

Written exam results are Pass/Fail and are available immediately following the exam. The passing score is set by statistical analysis and is subject to periodic change.

Retakes

Candidates must wait five days between attempts at the written exam. Once a candidate has passed the exam, he or she may not take the same exam again (for recertification purposes) for at least 180 days.

General Information – Lab Exam (350-001)

Configuring a network to given specifications

The CCIE lab exam is an eight-hour, hands-on exam which requires you to configure a series of complex networks to given specifications. Knowledge of troubleshooting is an important skill and candidates are expected to diagnose and solve issues as part of the CCIE lab exam. You will not configure end-user systems, but are responsible for all devices residing in the network (hubs, etc.). Point values and testing criteria are provided. More detail is found on the [Routing and Switching Lab Exam Blueprint](#) and the list of [Lab Equipment and IOS Versions](#).

Cost

Lab exams cost US\$1250 per attempt, not including travel and lodging expenses. Costs may vary due to exchange rates and local taxes (VAT, GST). You are responsible for any fees your financial institution charges to complete the payment transaction.

Lab Environment

The Cisco documentation CD is available in the lab room, but the exam assumes knowledge of the more common protocols and technologies. As of March 2006, the documentation can only be navigated using the index; the search function has been disabled. No outside reference materials are permitted in the lab room. You must report any suspected equipment issues to the proctor during the exam; adjustments cannot be made once the exam is over.

Lab Exam Grading

Each question on the lab has specific criterion. The labs are graded by proctors who ensure all the criterion are met and points are awarded accordingly. The proctors use automatic tools to gather information from the routers to perform some preliminary evaluations, but the final determination of a correct or incorrect configuration is done by a trained proctor.

Results

You can review your lab exam results online (login required), usually within 48 hours. Results are Pass/Fail and failing score reports indicate major topic areas where additional study and preparation may be useful.

Reevaluation of Lab Results

You may request a reevaluation of results for Routing and Switching, Security and Service Provider labs for up to 14 days following your exam date. Use the link next to your lab record called "Request for Reread". Due to the equipment used, rereads are not available for the Voice and Storage Networking exams. Each reread costs US\$250 plus any applicable local taxes. Payment is made online via credit card and your card will be charged upon receipt of the request. You may not cancel the reread request once the process has been initiated and refunds are only given when the results change from Fail to Pass.

A reread consists of a second proctor loading your configurations onto a rack to recreate the test and rescore the entire exam. This process may take up to three weeks after receipt of payment. Only one reread per lab attempt is permitted. The result of the reread is an updated score report with success rates for each major section. Be aware that scores may decrease. Exams receive a Pass mark only when the total exam score exceeds 80%. Before requesting a reread, consider that, historically, only 0.3% of exams have been changed from Fail to Pass.

Scheduling & Payment – Lab Exam (350-001)

[Schedule a Lab Exam Online](#)

Once you have passed the CCIE written exam, you are eligible to schedule your CCIE lab exam. Passing scores on written exams are automatically downloaded from testing vendors, but may not appear immediately. We suggest you wait ten days after your written exam before attempting to schedule the lab.

You will need the following to schedule your lab exam:

- Valid Cisco user account
- Identification number you used to register for your written exam (in the U.S. and Canada the ID number is generally your Social Security or Social Insurance number. In other regions, the testing vendor assigns the number.)
- Date of your passing written exam
- Passing score on written exam

[Pay for a Lab Exam Online](#)

Full payment for lab exams must be made 28 days before the exam date to hold your reservation. Exams for which payment is not received by the payment due date will be automatically dropped from the lab exam schedule. You can verify the payment due date on an exam you have scheduled by logging in and viewing your Certification Status.

Please Note:

- Only one email notice is sent as a payment reminder
- If your exam is dropped due to non-payment, you will need to reschedule your lab exam date.
- You may book an exam for a date less than 28 days away, if you complete payment on the day you book the exam.
- Credit card payments will be processed on the payment due date, exactly 28 days prior to the scheduled lab date, as will invoices for all payment types. No invoices will be generated before the lab exam due date.

Payment Options

The following table indicates the payment options available for each exam location. Wire transfer instructions vary by location and are included in the table.

Bangalore Online credit card or wire transfer American Express, Visa, MasterCard
[Wire transfer instructions](#)