

## CCIE Collaboration

The CCIE Collaboration certification is for Collaboration Architects, Unified Communications Architects, or Voice and Video Network Managers who are responsible for the design, implementation, and troubleshooting of complex collaboration solutions. The certification is an expert-level certification that ensures that you gain knowledge and experience in collaboration solutions integration and interoperation, configuration, and troubleshooting in complex networks and the challenges of video, mobility, and presence as the foundation for workplace collaboration solutions.

Our expertise in providing voice, video, IM, presence, and call center solutions and training will prepare you to deploy collaboration systems and services that increase user productivity improve the experience for you customers and are adaptable and provide a seamless user experience.

### **CCIE Collaboration Written Exam**

The CCIE Collaboration Version 2.0 exam unifies written and lab exam topics documents into a unique curriculum, while explicitly disclosing which domains pertain to which exam, and the relative weight of each domain.

The Cisco CCIE Collaboration Written Exam (400-051) version 2.0 is a two-hour test with 90–110 questions that validate professionals who have the expertise to describe, design, implement, operate, and troubleshoot complex enterprise collaboration solutions. The exam is closed book and no outside reference materials are allowed

The Cisco CCIE Collaboration Lab Exam version 2.0 is an eight-hour, hands-on exam that requires a candidate to plan, design, implement, operate, and troubleshoot complex enterprise collaboration solutions for a given specification. Knowledge of troubleshooting is an important skill and candidates are expected to diagnose and solve issues as part of the CCIE lab exam.

The following topics are general guidelines for the content likely to be included on the exam. However, other related topics may also appear on any specific delivery of the exam. In order to better reflect the contents of the exam and for clarity purposes, the guidelines below may change at any time without notice.

<b>Domain</b>	<b>Written Exam (%)</b>	<b>Lab Exam (%)</b>
<b>1.0 Protocols and APIs</b>	<b>12%</b>	<b>12%</b>
<b>2.0 Infrastructure and Quality of Services</b>	<b>10%</b>	<b>11%</b>
<b>3.0 Call Control and Dial plan</b>	<b>20%</b>	<b>24%</b>
<b>4.0 Endpoints, User Management, and Mobility</b>	<b>10%</b>	<b>10%</b>
<b>5.0 Edge Services</b>	<b>16%</b>	<b>18%</b>
<b>6.0 Media Resources, Meetings, and Call Recording</b>	<b>12%</b>	<b>12%</b>

<b>7.0 Collaboration Applications</b>	<b>10%</b>	<b>13%</b>
<b>8.0 Evolving Technologies v1.1</b>	<b>10%</b>	<b>N/A</b>

## **CCIE Collaboration Lab Exam**

The CCIE® Collaboration v2.0 unifies written and lab exam topics into a unique curriculum, while explicitly disclosing which domains pertain to which exam, and the relative weight of each domain. In addition, the lab v2.0 exam consists of three modules:

- Module 1: Troubleshooting
- Module 2: Diagnostic
- Module 3: Configuration

The modules in the lab exam are delivered in a fixed sequence. First is the Troubleshooting module, followed by the Diagnostic module, and lastly the Configuration module. The entire lab exam lasts up to eight hours.