



# 300-070

Implementing Cisco IP Telephony and Video Part 1

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**SUCCESS GUIDE TO CISCO CERTIFICATION**

Exam Summary – Syllabus – Questions

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# Introduction to 300-070 Exam on Implementing Cisco IP Telephony and Video Part 1

A great way to start the Cisco Certified Network Professional Collaboration (CIPTV1) preparation is to begin by properly appreciating the role that syllabus and study guide play in the Cisco 300-070 certification exam. This study guide is an instrument to get you on the same page with Cisco and understand the nature of the Cisco CCNP Collaboration exam.

Our team of experts has composed this Cisco 300-070 exam preparation guide to provide the overview about Cisco Implementing Cisco IP Telephony and Video Part 1 exam, study material, sample questions, practice exam and ways to interpret the exam objectives to help you assess your readiness for the Cisco CIPTV1 exam by identifying prerequisite areas of knowledge. We recommend you to refer the simulation questions and practice test listed in this guide to determine what type of questions will be asked and the level of difficulty that could be tested in the Cisco CCNP Collaboration certification exam.

## Cisco 300-070 Certification Details:

Exam Name	Implementing Cisco IP Telephony and Video Part 1
Exam Number	300-070 CIPTV1
Exam Price	\$300 USD
Duration	75 minutes
Number of Questions	55-65
Passing Score	Variable (750-850 / 1000 Approx.)
Recommended Training	<a href="#">Implementing Cisco IP Telephony &amp; Video, Part 1 (CIPTV1)</a> <a href="#">Cisco Technology Training for Collaboration E-Learning</a>
Exam Registration	<a href="#">PEARSON VUE</a>
Sample Questions	<a href="#">Cisco 300-070 Sample Questions</a>
Practice Exam	<a href="#">Cisco Certified Network Professional Collaboration Practice Test</a>

## Cisco 300-070 Exam Syllabus:

Section	Weight	Objectives
Dial Plan	25%	<ol style="list-style-type: none"> <li>1 Describe the components of a dial plan</li> <li>2 Describe path selection (inbound, outbound, on-net and off-net)</li> <li>3 Describe the concept of digit manipulation (regular expressions, translations and transformations)</li> <li>4 Describe CUCM calling privileges, rules, and class of services (such as CSS and partitions)</li> <li>5 Describe VCS calling privileges, rules, class of services (transforms, search rules, and zones)</li> <li>6 Create and document a dial plan</li> <li>7 Modify, analyze, and document a dial plan</li> <li>8 Identify the different types of dial plans (E.164, H323, URI, and DNS, etc) and when to use them</li> <li>9 Describe the interworking between the different types of dial plans</li> <li>10 Test and verify the dial plan</li> <li>11 Configure SIP route patterns</li> </ol>
Describe the Basic Operation and Components Involved in a Call	8%	<ol style="list-style-type: none"> <li>1 Identify and analyze voice/video call flows</li> <li>2 Choose the appropriate codec for a given scenario (G.711, H.264, etc.)</li> </ol>
Configure an IOS Gateway	16%	<ol style="list-style-type: none"> <li>1 Configure digital voice ports</li> <li>2 Configure dial-peers</li> <li>3 Configure digit manipulation</li> <li>4 Configure calling privileges</li> <li>5 Verify dial-plan implementation</li> <li>6 Identify possible functions of the CUBE</li> <li>7 Configure the CUBE relevant to video</li> </ol>

Section	Weight	Objectives
Configure Conferencing Device	11%	<ol style="list-style-type: none"> <li>1 Select the optimal device (single screen MCUs, IOS gateways, TelePresence server)</li> <li>2 Configure the conferencing devices (single screen MCUs, IOS gateways, TelePresence server)</li> <li>3 Configure Cisco TelePresence Conductor</li> <li>4 Describe global conference settings</li> <li>5 Configure MSE 8000 chassis, supervisor blade and media blade</li> </ol>
QoS Model	8%	<ol style="list-style-type: none"> <li>1 Describe the DiffServ QoS mode</li> <li>2 Describe marking based on CoS, DSCP, and IP precedence</li> <li>3 Distinguish where to configure Layer 2 to Layer 3 QoS mapping</li> <li>4 Describe policing and shaping</li> <li>5 Justify the requirement for QoS when implementing video</li> </ol>
Describe and Configure Cisco Unified Communications Manager to Support On-Cluster Calling	21%	<ol style="list-style-type: none"> <li>1 Configure a Cisco Unified Communications Manager group</li> <li>2 Configure Cisco Unified Communications Manager profiles and device pools</li> <li>3 Configure Cisco Unified Communications Manager templates</li> <li>4 Describe and configure a route plan for Cisco Unified Communications Manager to support off-net calling</li> <li>5 Describe Cisco Unified Communications Manager digit analysis</li> <li>6 Configure route patterns (including SIP route patterns)</li> <li>7 Configure route lists and route groups</li> <li>8 Configure digit manipulation</li> </ol>

Section	Weight	Objectives
Configure Media Resources	11%	1 Describe and configure the Cisco Unified Communications Manager to support features and applications (such as conference bridges, music on hold, RSVP, transcoders, etc.) 2 Configure IP phone services 3 Describe and configure Cisco Unified Communications Manager media resources

## 300-070 Sample Questions:

### 01. Which four components are part of the Network and Compute Infrastructure in Cisco Collaboration Solution?

(Choose four.)

- a) VMware vSphere ESXi hypervisor
- b) Servers
- c) LAN switches
- d) Media Services
- e) SAN storage

### 02. Which three options are Cisco Unified Communications Manager functions?

(Choose three.)

- a) Packet routing
- b) Signaling and device control
- c) Dial plan administration
- d) Response Text
- e) Storing voice mail
- f) Providing call-center functionality
- g) Filtering IP packets

### 03. Which statement does not apply to urgent priority?

- a) Urgent priority can be configured at route patterns only
- b) Urgent priority is used to force immediate routing as soon as a match is detected—even if other,
- c) Longer route patterns are potential matches
- d) Urgent priority is often used with emergency numbers
- e) A pattern with urgent priority effectively excludes the urgent pattern from a longer route pattern
- f) Range

### 04. Which statement describes the purpose of calling privileges?

- a) Calling privileges are used to prioritize important calls over less important calls.
- b) Calling privileges are used to control telephony charges.
- c) Calling privileges give priority to voice over data.
- d) Calling privileges give priority to on-net calls versus off-net calls.

**05. Which statement about calling privileges on gateways is not correct?**

- a) If the outgoing COR list is a subset of the incoming COR list, the call is routed.
- b) If no incoming COR list is configured, the call is always routed.
- c) If no outgoing COR list is configured, the call is not routed when no incoming COR list is configured.
- d) If the incoming COR list matches the outgoing COR list, the call is routed.

**06. When implementing PSTN access using H.323 gateways, you must perform all digit manipulation in CUCM.**

- a) True
- b) False

**07. Which option load-shares across its members?**

- a) Media Resource Group Lists
- b) Media Resource Pools
- c) Media Resource Groups
- d) Media Resource Route lists

**08. Which use case is not applicable to an MTP media resource?**

- a) DTMF conversion
- b) Conversion of G.729a to G.729b
- c) Conversion of G.711 mu-law to G.711 a-law
- d) Transrating
- e) Enabling SIP trunk to send an offer in the INVITE message

**09. The Cisco TelePresence MCU simplifies multiparty video communications and orchestrates the different resources that are needed for each conference.**

- a) True
- b) False

**10. Which two codecs are the best codecs to use in WAN and LAN?**

(Choose two.)

- a) WAN codec G.711
- b) LAN codec G.729
- c) WAN codec G.729
- d) LAN codec G.711

**Answers to 300-070 Exam Questions:**

Question: 01	Question: 02	Question: 03	Question: 04	Question: 05
Answer: a, b, c, e	Answer: b, c, d	Answer: a	Answer: b	Answer: c
Question: 06	Question: 07	Question: 08	Question: 09	Question: 10
Answer: b	Answer: c	Answer: b	Answer: b	Answer: c, d

Note: If you find any typo or data entry error in these sample questions, we request you to update us by commenting on this page or write an email on

[feedback@nwexam.com](mailto:feedback@nwexam.com)