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## Chapter 1

# Describe Cisco VoIP implementations

1. Which VoIP component is used to communicate between two different types of networks?

Select the best answer.

- A. Gateway
- B. Call Agent
- C. Gatekeeper
- D. Multipoint Control Unit (MCU)

[Find the Answer](#) p. 58

2. Which VoIP component is used to combine voice streams into a conference?

Select the best answer.

- A. Gateway
- B. Multipoint Control Unit (MCU)
- C. Gatekeeper
- D. Call Agent

[Find the Answer](#) p. 58

3. Which VoIP component is used to perform call routing, call lookup, and Call Access Control (CAC)?

Select the best answer.

- A. Gateway
- B. Multipoint Control Unit (MCU)
- C. Gatekeeper
- D. Call Agent

[Find the Answer](#) p. 58

4. Which VoIP component is used to compress voice streams?

Select the best answer.

- A. Gateway
- B. Multipoint Control Unit (MCU)
- C. Gatekeeper
- D. Digital Signal Processor (DSP)

[Find the Answer](#) p. 58

5. Which VoIP component is used to compress voice streams?

Select the best answer.

- A. Call Agent
- B. Digital Signal Processor (DSP)
- C. Gatekeeper
- D. Gateway

[Find the Answer](#) p. 58

## Answers: Chapter 1

1. <b>A</b>	<a href="#">Review Question</a> p. 2	<a href="#">Detailed Explanation</a> p. 68
2. <b>B</b>	<a href="#">Review Question</a> p. 2	<a href="#">Detailed Explanation</a> p. 68
3. <b>C</b>	<a href="#">Review Question</a> p. 3	<a href="#">Detailed Explanation</a> p. 68
4. <b>D</b>	<a href="#">Review Question</a> p. 3	<a href="#">Detailed Explanation</a> p. 69
5. <b>A</b>	<a href="#">Review Question</a> p. 3	<a href="#">Detailed Explanation</a> p. 69
6. <b>B</b>	<a href="#">Review Question</a> p. 4	<a href="#">Detailed Explanation</a> p. 70
7. <b>C</b>	<a href="#">Review Question</a> p. 4	<a href="#">Detailed Explanation</a> p. 70
8. <b>D</b>	<a href="#">Review Question</a> p. 4	<a href="#">Detailed Explanation</a> p. 70
9. <b>A</b>	<a href="#">Review Question</a> p. 5	<a href="#">Detailed Explanation</a> p. 71
10. <b>C</b>	<a href="#">Review Question</a> p. 5	<a href="#">Detailed Explanation</a> p. 71
11. <b>B</b>	<a href="#">Review Question</a> p. 5	<a href="#">Detailed Explanation</a> p. 72
12. <b>C</b>	<a href="#">Review Question</a> p. 6	<a href="#">Detailed Explanation</a> p. 72
13. <b>A</b>	<a href="#">Review Question</a> p. 6	<a href="#">Detailed Explanation</a> p. 72
14. <b>B</b>	<a href="#">Review Question</a> p. 6	<a href="#">Detailed Explanation</a> p. 73
15. <b>C</b>	<a href="#">Review Question</a> p. 7	<a href="#">Detailed Explanation</a> p. 73
16. <b>D</b>	<a href="#">Review Question</a> p. 7	<a href="#">Detailed Explanation</a> p. 73
17. <b>A</b>	<a href="#">Review Question</a> p. 7	<a href="#">Detailed Explanation</a> p. 74
18. <b>B</b>	<a href="#">Review Question</a> p. 8	<a href="#">Detailed Explanation</a> p. 74
19. <b>C</b>	<a href="#">Review Question</a> p. 8	<a href="#">Detailed Explanation</a> p. 74
20. <b>D</b>	<a href="#">Review Question</a> p. 8	<a href="#">Detailed Explanation</a> p. 75
21. <b>A</b>	<a href="#">Review Question</a> p. 9	<a href="#">Detailed Explanation</a> p. 75
22. <b>B</b>	<a href="#">Review Question</a> p. 9	<a href="#">Detailed Explanation</a> p. 75
23. <b>C</b>	<a href="#">Review Question</a> p. 9	<a href="#">Detailed Explanation</a> p. 76



## Explanations: Chapter 1

1. [Review Question](#) p. 2

**Answers: A**

**Explanation A.** Correct, the gateway is used to communicate between two different types of voice networks. Typically a gateway is used to communicate between the PSTN (Public Switched Telephone Network) and the VoIP network.

**Explanation B.** Incorrect, the Call Agent is not used to communicate between networks. A Call Agent is used in the Central control model where call administration is completed in a central location. The Call Agent specifically takes care of call control and switching.

**Explanation C.** Incorrect, The Gatekeeper is not used to communicate between networks. The gatekeeper is used to perform call routing, call lookups and Call Admission Control (CAC).

**Explanation D.** Incorrect, The MCU is not used to communicate between networks. The MCU's are used to combine different streams of voice into a conference.

PrepLogic Question: [11707-100](#)

2. [Review Question](#) p. 2

**Answers: B**

**Explanation A.** Incorrect, a gateway is used to communicate between different types of networks; typically between the PSTN (Public Switched Telephone Network) and the VoIP network.

**Explanation B.** Correct, MCU's are used to combine different streams of voice into a conference.

**Explanation C.** Incorrect, the gatekeeper is used to perform call routing, call lookups and Call Admission Control (CAC).

**Explanation D.** Incorrect, the Call Agent is used in the Central control model where call administration is completed in a central location. The Call Agent specifically takes care of call control and switching.

PrepLogic Question: [11707-101](#)

3. [Review Question](#) p. 3



**Answers: C**

**Explanation A.** Incorrect, a gateway is used to communicate between different types of networks; typically between the PSTN (Public Switched Telephone Network) and the VoIP network.

**Explanation B.** Incorrect, MCU's are used to combine different streams of voice into a conference.

**Explanation C.** Correct, the gatekeeper is used to perform call routing, call lookups and Call Admission Control (CAC).

**Explanation D.** Incorrect, the Call Agent is used in the Central control model where call administration is completed in a central location. The Call Agent specifically takes care of call control and switching.

PrepLogic Question: [11707-102](#)

4. [Review Question](#) p. 3**Answers: D**

**Explanation A.** Incorrect, a gateway is used to communicate between different types of networks; typically between the PSTN (Public Switched Telephone Network) and the VoIP network.

**Explanation B.** Incorrect, MCU's are used to combine different streams of voice into a conference.

**Explanation C.** Incorrect, the gatekeeper is used to perform call routing, call lookups and Call Admission Control (CAC).

**Explanation D.** Correct, the Digital Signal Processor is used to compress the voice streams.

PrepLogic Question: [11707-103](#)

5. [Review Question](#) p. 3**Answers: A**

**Explanation A.** Correct, the Call Agent is used in the Central control model where call administration is completed in a central location. The Call Agent specifically takes care of call control and switching.

**Explanation B.** Incorrect, the Digital Signal Processor is used to compress the voice streams.



**Explanation C.** Incorrect, the gatekeeper is used to perform call routing, call lookups and Call Admission Control (CAC).

**Explanation D.** Incorrect, a gateway is used to communicate between different types of networks; typically between the PSTN (Public Switched Telephone Network) and the VoIP network.

PrepLogic Question: [11707-104](#)

6. [Review Question](#) p. 4

**Answers: B**

**Explanation A.** Incorrect, the FXO (Foreign Exchange Office) interface is typically connected to a telephony switch.

**Explanation B.** Correct, the E&M (Ear and Mouth) or Earth and Magneto interface is typically used to connect to PBX's.

**Explanation C.** Incorrect, a PRI is a digital interface, not analog.

**Explanation D.** Incorrect, a BRI is a digital interface, not analog.

PrepLogic Question: [11707-105](#)

7. [Review Question](#) p. 4

**Answers: C**

**Explanation A.** Incorrect, an FXS (Foreign Exchange Station) interface typically connects to end user equipment.

**Explanation B.** Incorrect, the E&M (Ear and Mouth) or Earth and Magneto interface is typically used to connect to PBX's.

**Explanation C.** Correct, the FXO (Foreign Exchange Office) interface is typically connected to a telephony switch.

**Explanation D.** Incorrect, a BRI is a digital interface, not analog.

PrepLogic Question: [11707-106](#)

8. [Review Question](#) p. 4

**Answers: D**

**Explanation A.** Incorrect, a BRI is a digital interface, not analog.

