

Cisco CCNA (200-301)

Determining Routing Decisions

Learning Objective: Determine Routing Decisions

Description: It is possible for multiple routes to a destination. You will learn how a router decides what gets into the routing table.

Q: How does a router make forwarding decision?

- The routing table: It doesn't hold every possible route, it normally only holds the best possible route to a destination network.
- Demo

Q: Is there a possibility that a router could see more than one possible route to the destination?

- Yes, but those don't get entered to the routing table, so there is a route preference order that has to take place.
- Demo

Endnotes, External, and etc.,

3.2 Determine how a router makes a forwarding decision by default

- 3.2.a Longest match
- 3.2.b Administrative distance
- 3.2.c Routing protocol metric

Exam 200-301 objectives