Lecture 10 (2/19) Self Test

Due Feb 27 at 5pm   **Points** 1   **Questions** 10
Available Feb 20 at 5pm - Jun 1 at 5pm 3 months   **Time Limit** None

Score for this survey: **1** out of 1
Submitted Feb 24 at 12:18am
This attempt took 2 minutes.

Question 1

Do you understand Gao-Rexford?

ou Answered

- ⦿ yes

- ◯ no

Question 2

A domain's export policies determine which of the following

ou Answered

- ⦿ The traffic it carries from other domains

- ◯ Who carries the traffic this domain sends
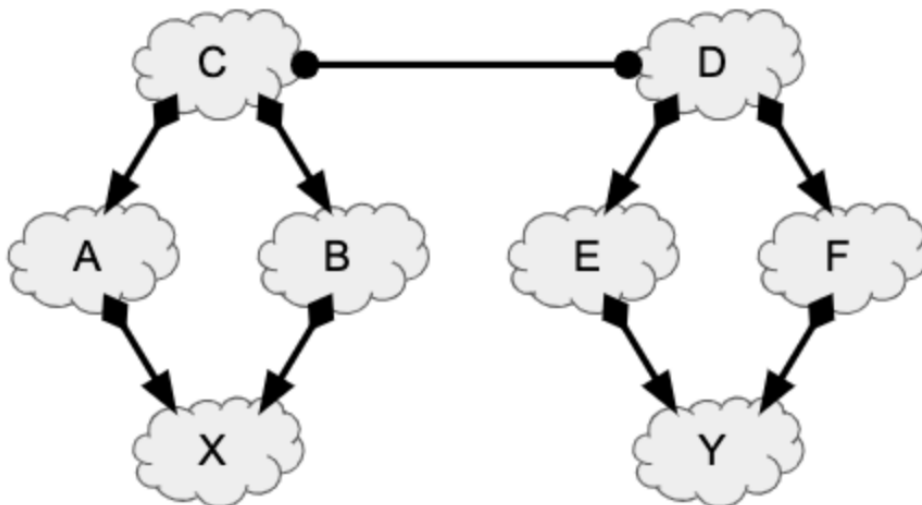
> **The traffic it carries from other domains**

Question 3

A domain's selection policies determine which of the following?

○ The traffic it carries from other domains

◉ Who carries the traffic this domain sends

Question 4

Consider interdomain routing with stub domains X and Y, and transit domains A-F. These are the following interdomain links that exist A and B are X's providers. C is a provider to both A and B. E and F are Y's providers. D is a provider to both E and F. C and D are peers. How many paths from X to Y are consistent with Gao-Rexford policies?

○ 1

○ 2

○ 3

○ 4 (selected)

○ 5

○ 6

4

Question 5

Continuing with the topology from the question above: now assume we add a peering link between B and E. How many paths from X to Y are consistent with Gao-Rexford policies?

○ 1

○ 2

○ 3

○ 4

○ 5

● 6

Question 6

Continuing with the topology from the question above: now assume we add a peering link between X and E. How many paths from X to Y are consistent with Gao-Rexford policies?

○ 1

○ 2

○ 3

○ 4

○ 5

◉ 6

1

Question 7

Continuing with the topology from the question above: how many paths from Y to X are consistent with Gao-Rexford policies?

○ 1

○ 2

○ 3

⦿ 4

○ 5

○ 6

4

Question 8

Why do some stub domains not need BGP?

○ They use OSPF instead for their interdomain traffic

⦿ They can use a default route to all nonlocal destinations

○ All domains need to run BGP

They can use a default route to all nonlocal destinations

Question 9

A border router B establishes an iBGP session to an interior router I in order to:

○ Tell I how to reach B

○ Tell I how to reach external addresses (i.e., addresses outside I's domain)

⊙ Tell border routers in other domains how to reach I

Tell I how to reach external addresses (i.e., addresses outside I's domain)

Question 10

Different routers within a domain may choose a different next-hop AS

○ true

⊙ false

false

Survey Score: **1** out of 1