**Questions and answers about: Inter-Domain Routing and RINA**

Topics: **Inter-Domain Routing and RINA**

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**Question 1:**

Explain what are the Security Threats in BGP protocol and give a brief description of each.

**Answer to question 1:**

There are 3 well known security threats in BGP protocol:

1. Prefix Hijack which is when an AS announces a prefix that it does not hold, for example saying that this AS contains the prefix of some other AS.

2. Path Hijack which is when an AS announces an incorrect path or link.

3. Route leaks which is an (un)intended violation of the Ases’ business relationships.

**Question 2:**

What are the TCP/IP limitations that RINA claim to solve if it is implemented?

**Answer to question 2:**

- Incomplete naming and addressing scheme

- Global Internet-wide scope of public IP addresses

- Poor implementation of QoS capabilities: Only 2 TCP or UPD

- No built-in security in the current Internet Architecture