



Revature Network

The purpose of this assignment is to make you deep dive into practical aspects of using the basic foundations of networking, by simulating its functionality via Packet Tracer.

Definition

Revature is in need of a networking architect to design and implement the network of its intranet. These are the requirements, based on the business needs:

- For the HR team, there is at least 30 machines, with zero potential growth.
- For the Sales team, there is at least 15 machines, with zero potential growth.
- For the Training team, there is at least 50 machines, with an estimated growth of 30% over the next year.

All different departments should be able to interconnect with each other, since they share common resources. Hosts in all these networks, should also have automatic IP assignments.

In addition to the department structure, the company is in need with the configuration of a DNS server, which should be located within its own network in the Revature WAN. Any host in any department should be able to access these websites. The domain names the company needs are the following:

- hr.revature.com -> HTTP Server should be on the HR network.
- training.revature.com -> HTTP Server should be on the Training network.
- sales.revature.com -> HTTP Server should be on the Sales network.

Deadlines & Guidelines

- Assignment is due on Monday 9:00 AM.
- You have to send me a file through Slack following these bullet points:
 - Name of the file -> FirstName.LastName.pkt
 - You will demo this assignment during your mock interview.
- You don't have to put computers in packet tracer for all available IP addresses, with at least 3 hosts should be sufficient.
- Make sure to use different HTML text for the different websites so it is easy to identify the different HTTP servers.