Overlay Network and VXLAN

计算机网络 CS339

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An overlay network can be thought of as a computer network on top of another network.

VXLAN is often described as an overlay technology because it allows to stretch Layer 2 connections over an intervening Layer 3 network by encapsulating (tunneling) Ethernet frames in a VXLAN packet that includes IP addresses.

1 建立网络

2 Wireshark 抓包

Use Wireshark to monitor the interfaces s1 and eth0, and describe your findings.

3 iperf 测试

Use iperf to test the network bandwidth between the two virtual machines
- Test the bandwidth between 192.168.56.127 and 192.168.56.128
- Test the bandwidth between 10.0.0.1/10.0.0.2/10.0.0.101 and 10.0.0.102 (hint: you may need to specify a reasonable MTU size in order for your iperf to work in this case. Please also think about why.)

Compare the above results and explain the reason.

4 ping 测试

Similar to Q2, use ping to test the network latency and analyze your results.