Assignment 7

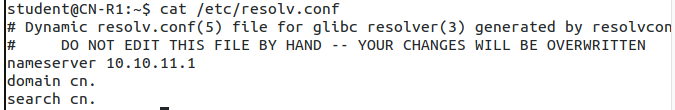
Domain Name Server (DNS)

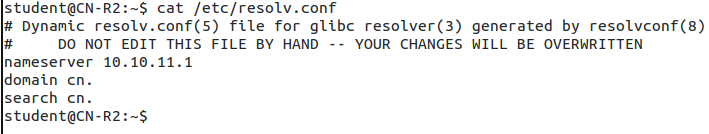
By Ziming Song

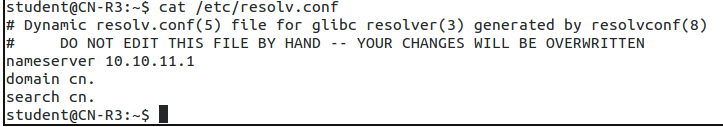
[zs2815@nyu.edu](mailto:zs2815@nyu.edu)

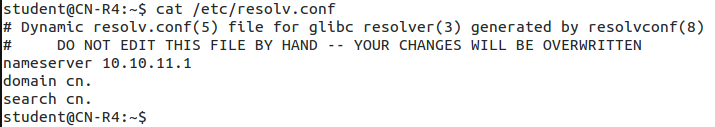
# **Part 1: Setup DNS Resolution**

R1

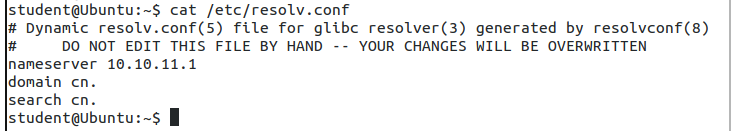
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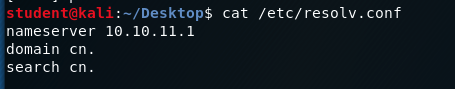
R2

R3

R4

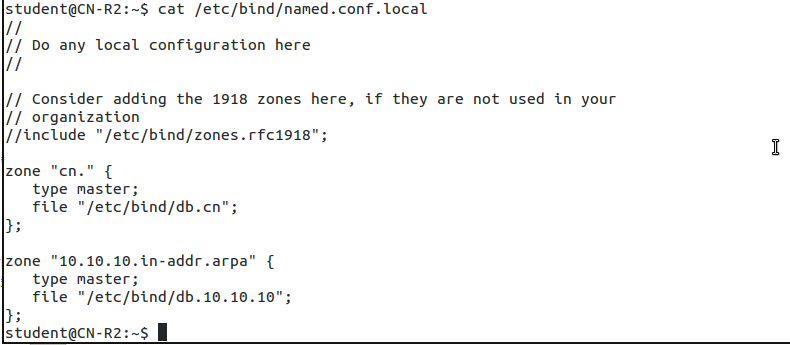
Ubuntu

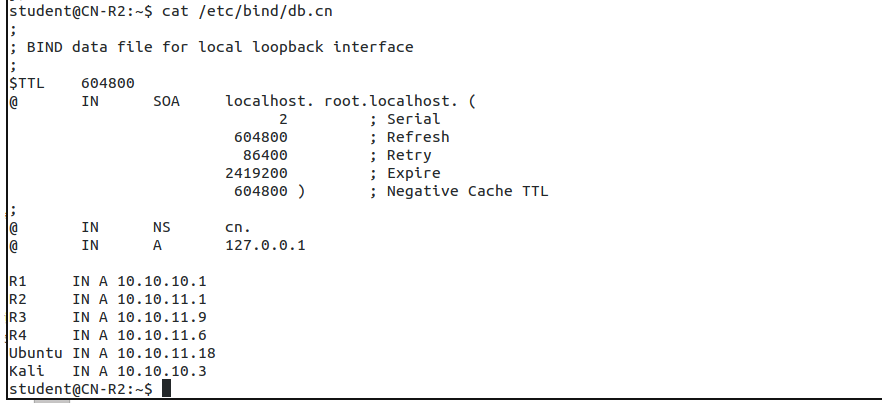


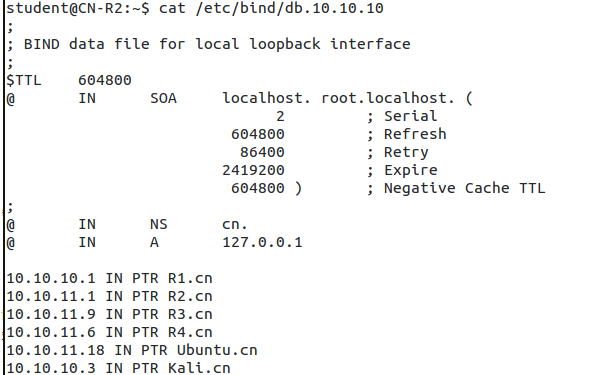
Kali

# **Part 2: Configuring the Primary Zone**

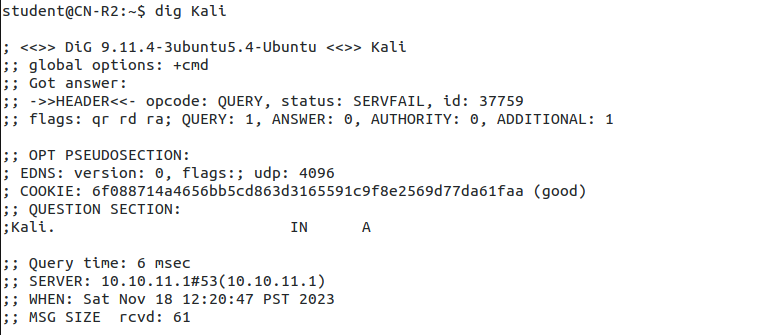
## **Forward and Reverse zone files for primary DNS server.** **[20 points]**

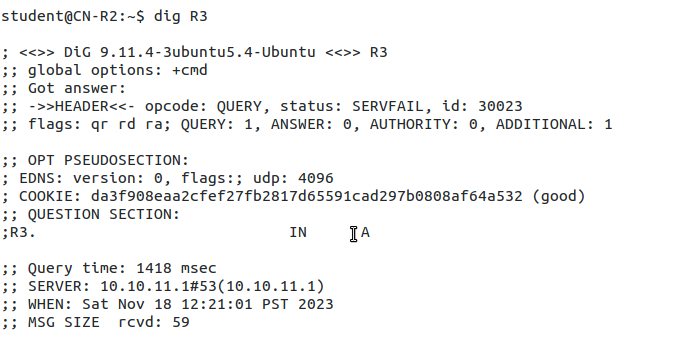




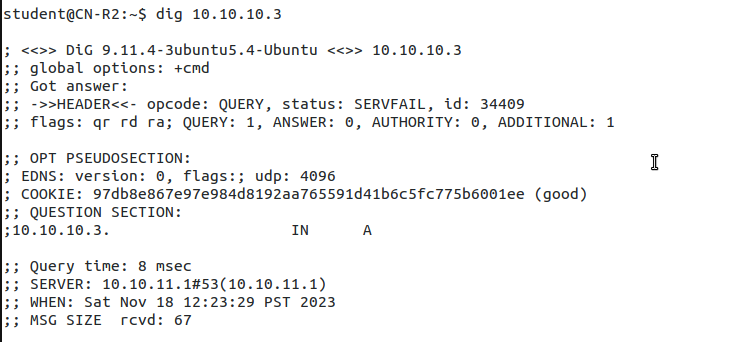


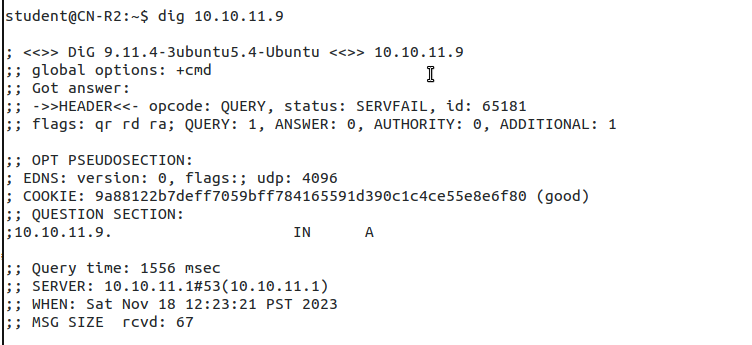
## **Host lookup by name using nslookup or dig [15 points]**



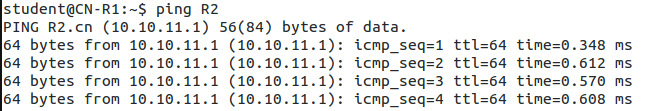


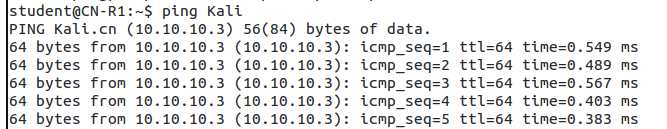
## **Host lookup by address using nslookup or dig [15 points]**





## **Screenshots of R1 pinging R2 and Kali [20 points]**



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## **Screenshots of R2 pinging R3, R4, and Ubuntu[30 points]**

