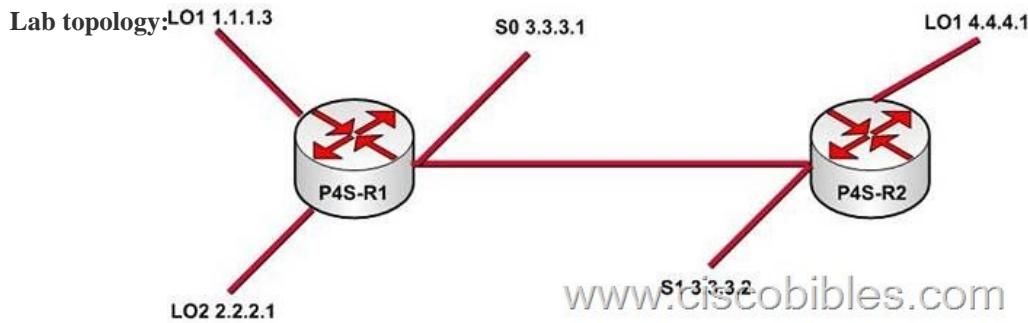


CCNA ICND1 Lab10 - Configuration of ACL



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Lab Requirements: 1. 1.1.1.3 can visit 2.2.2.0 2. Subnet of 1.1.1.0 can only visit the FTP server and INTERNET of 2.2.2.0(By using port L01 of Router P4S-R2 to simulate the internet) 3. Host of 2.2.2.0 is not enabled to visit INTERNET

Lab Process:
P4S-R1 Router>en Router#conf t Router(config)#hostname P4S-R1 P4S-R1 (config)#int lo1 P4S-R1(config-if)#ip add 1.1.1.3 255.255.255.0 P4S-R1 (config-if)#no shut P4S-R1(config-if)#exit P4S-R1 (config)# access-list 101 permit ip 1.1.1.3 0.0.0.0 2.2.2.0 0.0.0.255; / Allow host of 1.1.1.3 to visit the subnet of 2.2.2.0 P4S-R1 (config)# access-list 101 permit tcp 1.1.1.0 0.0.0.255 2.2.2.0 0.0.0.255 eq 21; / Allow the subnet host of 1.1.1.0 to visit the FTP server of 2.2.2.0 by using port 21 telnet P4S-R1 (config)# access-list 101 deny ip 1.1.1.0 0.0.0.255 2.2.2.0 0.0.0.255; / Deny the subnet of 1.1.1.0 to visit the subnet of 2.2.2.0 P4S-R1 (config)#int lo2 P4S-R1 (config-if)#ip add 2.2.2.1 255.255.255.0 P4S-R1 (config-if)#ip access-group 101 out; / Apply the extension control list 101 to exit interface P4S-R1 (config-if)#no shut P4S-R1 (config-if)#exit P4S-R1 (config)#access-list 1 deny 2.2.2.0 0.0.0.255; / Deny the subnet of 2.2.2.0 to visit Internet P4S-R1 (config)#int s0 P4S-R1 (config-if)#ip add 3.3.3.1 255.255.255.0 P4S-R1 (config-if)#clock rate 56000 P4S-R1 (config-if)#no shut P4S-R1 (config-if)#ip access-group 1 out; / Apply the standard control list to exit interface P4S-R1 (config-if)#exit P4S-R1 (config)#router rip P4S-R1 (config-router)#network 1.0.0.0 P4S-R1 (config-router)#network 2.0.0.0 P4S-R1 (config-router)#network 3.0.0.0 P4S-R1 (config-router)#exit **P4S-R2** Router>en Router#conf t Router(config)#hostname P4S-R2 P4S-R2 (config)#int s1 P4S-R2 (config-if)#ip add 3.3.3.2 255.255.255.0 P4S-R2 (config-if)#clock rate 56000 P4S-R2 (config-if)#no shut P4S-R2 (config-if)#exit P4S-R2 (config)#int lo1 P4S-R2 (config-if)#ip add 4.4.4.1 255.255.255.0 P4S-R2 (config-if)#no shut P4S-R2 (config-if)#exit P4S-R2 (config)#router rip P4S-R2 (config-router)#network 4.0.0.0 P4S-R2 (config-router)#network 3.0.0.0 P4S-R2 (config-router)#exit