**Commands for Router**

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config t

ip access-list extended ADM1\_ACCESS

deny ip 192.168.40.0 0.0.0.255 192.168.10.252 0.0.0.0

deny ip 192.168.40.0 0.0.0.255 192.168.10.253 0.0.0.0

deny ip 192.168.40.0 0.0.0.255 192.168.10.254 0.0.0.0

deny ip 192.168.40.0 0.0.0.255 192.168.20.252 0.0.0.0

deny ip 192.168.40.0 0.0.0.255 192.168.20.253 0.0.0.0

deny ip 192.168.40.0 0.0.0.255 192.168.20.254 0.0.0.0

deny ip 192.168.40.0 0.0.0.255 192.168.30.252 0.0.0.0

deny ip 192.168.40.0 0.0.0.255 192.168.30.253 0.0.0.0

deny ip 192.168.40.0 0.0.0.255 192.168.30.254 0.0.0.0

permit ip 192.168.40.0 0.0.0.255 192.168.10.0 0.0.0.255

permit ip 192.168.40.0 0.0.0.255 192.168.20.0 0.0.0.255

permit ip 192.168.40.0 0.0.0.255 192.168.30.0 0.0.0.255

exit

ip access-list extended ADM2\_ACCESS

deny ip 192.168.50.0 0.0.0.255 192.168.10.252 0.0.0.0

deny ip 192.168.50.0 0.0.0.255 192.168.10.253 0.0.0.0

deny ip 192.168.50.0 0.0.0.255 192.168.10.254 0.0.0.0

deny ip 192.168.50.0 0.0.0.255 192.168.20.252 0.0.0.0

deny ip 192.168.50.0 0.0.0.255 192.168.20.253 0.0.0.0

deny ip 192.168.50.0 0.0.0.255 192.168.20.254 0.0.0.0

deny ip 192.168.50.0 0.0.0.255 192.168.30.252 0.0.0.0

deny ip 192.168.50.0 0.0.0.255 192.168.30.253 0.0.0.0

deny ip 192.168.50.0 0.0.0.255 192.168.30.254 0.0.0.0

permit ip 192.168.50.0 0.0.0.255 192.168.10.0 0.0.0.255

permit ip 192.168.50.0 0.0.0.255 192.168.20.0 0.0.0.255

permit ip 192.168.50.0 0.0.0.255 192.168.30.0 0.0.0.255

exit

**(Allow PCs in Administrative Departments to Access User Departments and deny accessing guest PCs)**

ip access-list extended ADM1\_RESTRICT

deny ip 192.168.40.0 0.0.0.255 192.168.50.0 0.0.0.255

deny ip 192.168.40.0 0.0.0.255 192.168.80.0 0.0.0.255

permit ip any any

exit

ip access-list extended ADM2\_RESTRICT

deny ip 192.168.50.0 0.0.0.255 192.168.40.0 0.0.0.255

deny ip 192.168.50.0 0.0.0.255 192.168.80.0 0.0.0.255

permit ip any any

exit

**(Block Administrative Departments from Accessing Each Other or the Emergency Response Department)**

do show ip interface br

interface GigabitEthernet0/0.40

ip access-group ADM1\_ACCESS in

exit

interface GigabitEthernet0/0.50

ip access-group ADM2\_ACCESS in

exit

interface GigabitEthernet0/0.40

ip access-group ADM1\_RESTRICT in

exit

interface GigabitEthernet0/0.50

ip access-group ADM2\_RESTRICT in

exit

**(Apply the ACLs)**

do show running-config | include ip access-group

show access-lists

show ip interface brief

show running-config

**(show the entire configuration)**

From 192.168.40.6



