

Classification Lab:

NBAR:

NBAR(Network Based Application Recognition) is an intelligent classification engine in Cisco IOS Software that can recognize a wide variety of applications like Web-based and client/server applications. It can analyze & classify application traffic in real time. NBAR is supported in most Cisco switches and routers.

R2 Classification Configuration
R2(config)#line vty 0 4 R2(config-line)#password 123 R2(config-line)#transport input all R2(config-line)#login
R2(config)#enable password 123
R2(config)#ip access-list extended tel R2(config-ext-nacl)#permit tcp any any eq 23 R2(config-ext-nacl)#exit
R2(config)#class-map cmap R2(config-cmap)#match access-group name tel R2(config-cmap)#exit
R2(config)#policy-map pmap R2(config-pmap)#class cmap R2(config-pmap-c)#exit R2(config-pmap)#exit
R2(config)#interface e0/1 R2(config-if)#service-policy input pmap
Test Telnet from R1
R1#telnet 192.168.12.2
R2#show policy-map interface e0/1

Classification by NBAR
R2(config)#interface e0/1 R2(config-if)#ip nbar protocol-discovery
R2#show ip nbar protocol-discovery
R2(config)#class-map cmap R2(config-cmap)#match protocol telnet R2(config)#policy-map pmap R2(config-pmap)#class cmap R2(config-pmap)#interface e0/1 R2(config-if)#service-policy input pmap