

ISAA LAB ASSIGNMENT - 2

NAME	APOORVA REDDY BAGEPALLI
REGISTRATION NUMBER	19BCE2196

Intrusion Detection System

- Two PCs and a server is connected to switches respectively
- Three routers are connected with one of the router being an intermediate
- Copper straight through wire is used to connect with PCs, server and switches
- · Serial DTE is used to connect between routers
- · IP addresses are configured in devices
- · Default gateway is configured in the routers
- Intrusion detection is implemented in middle router command line

CODES

Router#show version

Router#configure terminal

Router(config)#license boot module c1900 technology-package securityk9

Router(config)#exit

Router#reload

Router>enable

Router#show version

Router#clock set 09:50:00 24 August 2021

Router#mkdir flash

Router#configure terminal

Router(config)#ip ips config location flash:flash

Router(config)#ip ips name iosips

Router(config)#ip ips notify log

Router(config)#ip ips signature-c

Router(config-ips-category)#ip ips signature-category

Router(config-ips-category)#category all

Router(config-ips-category-action)#retired true

Router(config-ips-category-action)#exit

Router(config-ips-category)#category ios_ips basic

Router(config-ips-category-action)#retired false

Router(config-ips-category-action)#exit

Router(config-ips-category)#exit

Router(config)#interface serial 0/1/0

Router(config-if)#ip ips iosips out

Router(config-if)#exit

Part 2. Modify the signature

Router(config)#ip ips signature-d

Router(config-sigdef)#ip ips signature-definition

Router(config-sigdef)#signature 2004 0

Router(config-sigdef-sig)#status

Router(config-sigdef-sig-status)#retired false

Router(config-sigdef-sig-status)#enabled true

Router(config-sigdef-sig-status)#exit

Router(config-sigdef-sig)#engine

Router(config-sigdef-sig-engine)#event-action prod

Router(config-sigdef-sig-engine)#event-action produce-alert

Router(config-sigdef-sig-engine)#event-action deny

Router(config-sigdef-sig-engine)#event-action deny-packet-inline

Router(config-sigdef-sig-engine)#exit

Router(config-sigdef-sig)#exit

Router(config-sigdef)#exit

SCREENSHOTS















