## ASM

Configuring IPS (Intrusion Brevention System)

Step 1: Enable the security Technology package IN

R1 (config) # license boot module 01900 technology package

security K9

Step 2: Verify vetwork connectivity

a. Pany from PC-C to PC-A

b. Pany from PC-A to PC-C

Step 3: Create on IOS IPS configuration directory in flash.

RI # mkdir (psdir Create directory filename [ipsdir]? (Enter) Created dir flash: ipsdir

Step 4: Configure the IPS signature location

R1 (confy) #ipips config location flash: ips dir

Step 5: Creite au PPS unle R1 (config)# ip ips name cosips

Step6: Enable lagging

R1 (config) #1 ip ips notify log

R1 # clock set 13:41:00 14 February 2023

R1 (config) # service timesTamps lag statetime ruse

R1 (config) # lagging has 192.168.1.50

Step 7: Configure 205 IPS to use the signature calegories

RI (config) # ip ips signature-category Rs (config-ips-Calegory) # category all RICCONFIG-ips-category-action) # relieved trul R((Config - ips - category - action) # emit R1 (config - ips - category) # suit category Ios-ips basic 81 ( Config - ips - category - action) the rectired false RI (config-cps-codyony-action) # emit RI (config-ips-ceilegory) # enit Do you accept these changes? [confirm] (Enter) an interface Step 8: Apply the IPS unle to R1 (config) # interface g of 1 RI(config-if) this ips casips out Modify the signature RI (config) # ip ips signature-definition RI (config-sigolof) Al signature 2004 0 RI (config - sigdef - sig) # status R1 (config - sigolef - sig - Status) # relived false RI (Config - sig-status) # enabled trace RI (config - sigolef sig - status) # cuit. R1 (Config - sigolef - sig) # engine RI (config - sigdef - sig- engine) # event-action produce-alert 81 (config - sigdef - sig - engine) # went - action dany-packet - inline KI (config-sigdef-sig-engine)## exist.

R1 (config - sidget) # enit
Do you mand to accept thex changes? [Confirm.] KEnter)

H Information Security Alert

Definition: Journal quocess by certified perfessionals to measure information systems performance.

Techniques: Personal internieus, policy reviews, vulnerability scans, 05 settings, enamination, network analysis, data log analysis

Scope: LA) Type of data assels
LA Value of data be principly
LB Priemons incidents
LA Time available
LB Andrew experience

Constraints: L1> Time, L2> 3rd party access, L3> Business operation continuity (4> Techology tools.

Diagnostic measures: Vulnerabilty assessments, penetration testing.