

local.rules

```
# =====  
# Custom Snort IPS Rules  
# Graduation Project  
# =====
```

```
# 1. Block ICMP Ping  
drop icmp any any -> any any (  
  msg:"PING BLOCKED";  
  sid:1000001;  
  rev:1;  
)
```

```
# 2. Detect Nmap SYN Scan  
drop tcp any any -> any any (  
  flags:S;  
  msg:"NMAP SYN SCAN DETECTED";  
  sid:1000002;  
  rev:1;  
)
```

```
# 3. Detect Nmap OS Detection  
alert tcp any any -> any any (  
  ttl: < 64;  
  msg:"NMAP OS DETECTION ATTEMPT";  
  sid:1000003;  
  rev:1;  
)
```

```
# 4. Block Telnet Access  
drop tcp any any -> any 23 (  
  msg:"TELNET ACCESS BLOCKED";  
  sid:1000004;  
  rev:1;  
)
```

```
# 5. SSH Brute Force / Scan Detection  
alert tcp any any -> any 22 (  
  flow:to_server,established;  
  msg:"SSH CONNECTION ATTEMPT DETECTED";  
  sid:1000005;  
  rev:1;  
)
```

snort_commands

Check Snort Version

```
snort -V
```

Test configuration file

```
sudo snort -T -c /etc/snort/snort.lua
```

Run Snort as IPS (Inline Mode)

```
sudo snort -Q \
```

```
--daq afpacket \
```

```
-i eth0:eth1 \
```

```
-c /etc/snort/snort.lua \
```

```
-A alert_fast
```

Alternative (Bridge Interface)

```
sudo snort -Q \
```

```
--daq afpacket \
```

```
-i br0 \
```

```
-c /etc/snort/snort.lua \
```

```
-A alert_fast
```



