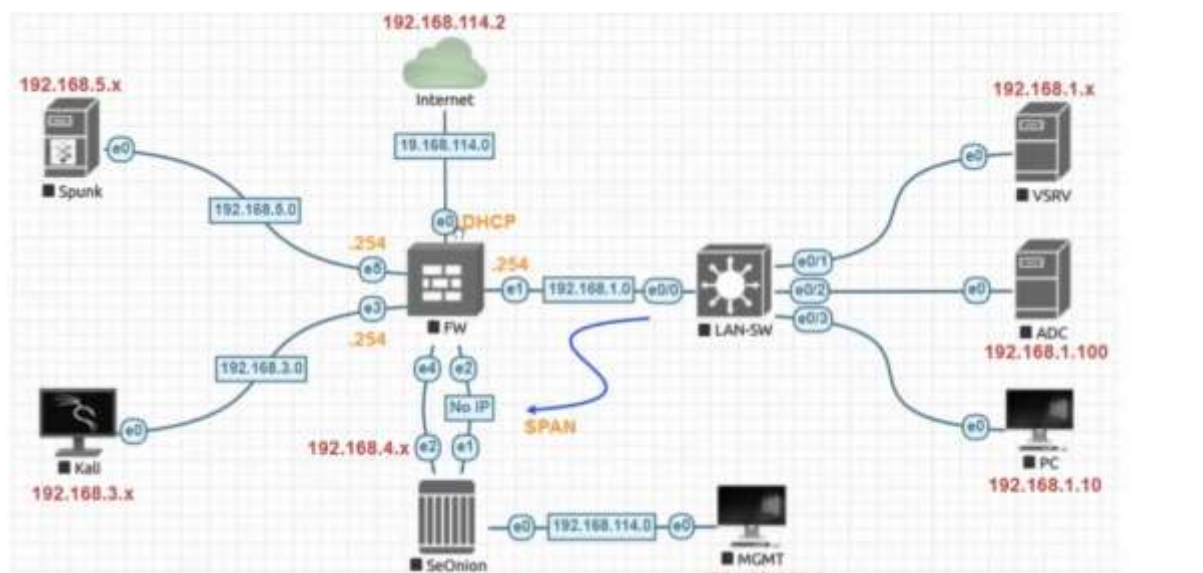


## Host PC specification:

For this lab I use the pc with below specification.

|                           |                                 |
|---------------------------|---------------------------------|
| Storage                   | Samsung SSD 970 EVO 500 GB      |
| RAM                       | DDR4 64GB                       |
| CPU                       | Intel i9-9900K                  |
| Motherboard               | ASUSTek ROG STRIX               |
| Operating System          | Windows 11 Pro for Workstations |
| Virtualization Hypervisor | VMware Workstation Pro          |

## Lab setup:



## RAM require for lab:

If you use wazuh it require 4GB RAM.

| Devices             | RM Minimum | RAM Recommended |
|---------------------|------------|-----------------|
| Security Onion      | 16 GB      | 32 GB           |
| Windows Server 2019 | 2 GB       | 8 GB            |
| Windows 11          | 4 GB       | 8 GB            |
| Ubuntu Server       | 1 GB       | 4 GB            |
| Metasploitable 2    | 1 GB       | 4 GB            |
| PfSense Firewall    | 1 GB       | 4 GB            |
| Kali Linux          | 2 GB       | 4 GB            |

SSD require for lab:

If you use wazuh it require 50GB ROM.

| Devices             | HHD Minimum | HDD Recommended |
|---------------------|-------------|-----------------|
| Security Onion      | 200 GB      | 250 GB          |
| Windows Server 2019 | 32 GB       | 60 GB           |
| Windows 11          | 64 GB       | 80 GB           |
| Ubuntu Server       | 4 GB        | 20 GB           |