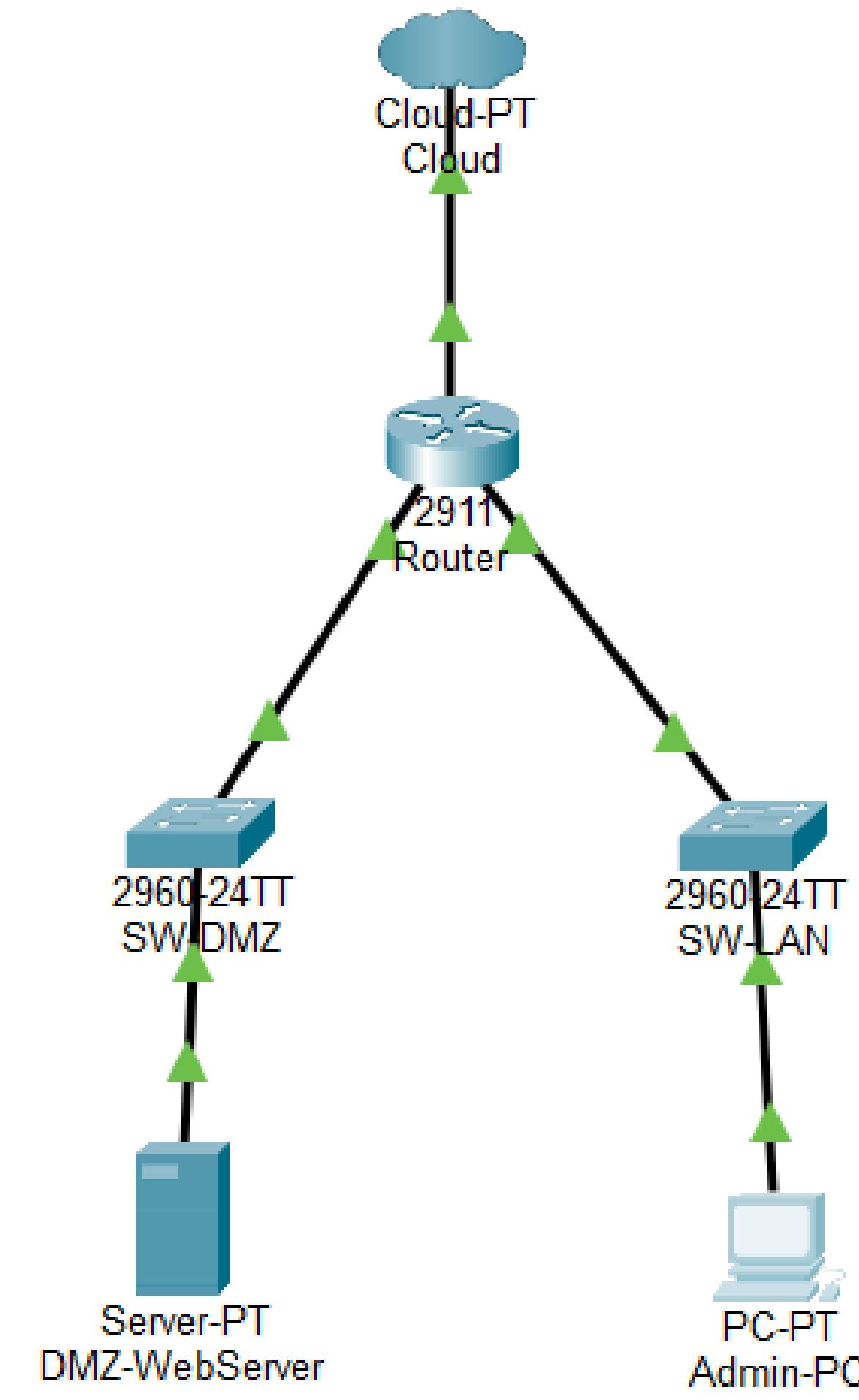


# CYBER SECURITY PROJECT

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```
jiajan@jiajian-VirtualBox:~$ sudo apt update
[sudo] password for jiajan:
Hit:1 http://my.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://my.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://my.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu noble-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
203 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

```
jiajan@jiajian-VirtualBox:~$ sudo apt install ufw
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ufw is already the newest version (0.36.2-6).
ufw set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 203 not upgraded.
```

```
jiajan@jiajian-VirtualBox:~$ sudo ufw status verbose
Status: active
Logging: on (low)
Default: deny (incoming), allow (outgoing), disabled (routed)
New profiles: skip

To                         Action      From
--                         --          --
80/tcp                      ALLOW IN   Anywhere
443/tcp                     ALLOW IN   Anywhere
22                         ALLOW IN   192.168.10.11
22/tcp                      DENY IN    Anywhere
80/tcp (v6)                 ALLOW IN   Anywhere (v6)
443/tcp (v6)                ALLOW IN   Anywhere (v6)
22/tcp (v6)                 DENY IN    Anywhere (v6)
```

```
jiajan@jiajan-VirtualBox:~$ sudo apt install -y docker.io
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  bridge-utils containerd git git-man liberror-perl pigz runc ubuntu-fan
Suggested packages:
  ifupdown aufs-tools btrfs-progs cgroupfs-mount | cgroup-lite debootstrap
  docker-buildx docker-compose-v2 docker-doc rinse zfs-fuse | zfsutils
  git-daemon-run | git-daemon-sysvinit git-doc git-email git-gui gitk gitweb
  git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
  bridge-utils containerd docker.io git git-man liberror-perl pigz runc
  ubuntu-fan
0 upgraded, 9 newly installed, 0 to remove and 203 not upgraded.
Need to get 80.4 MB of archives.
After this operation, 312 MB of additional disk space will be used.
Get:1 http://my.archive.ubuntu.com/ubuntu noble/universe amd64 pigz amd64 2.8-1
[65.6 kB]
Get:2 http://my.archive.ubuntu.com/ubuntu noble/main amd64 bridge-utils amd64 1.
7.1-1ubuntu2 [33.9 kB]
Get:3 http://my.archive.ubuntu.com/ubuntu noble-updates/main amd64 containerd am
d64 1.7.28-0ubuntu1~24.04.1 [38.4 MB]
Get:4 http://security.ubuntu.com/ubuntu noble-security/main amd64 runc amd64 1.3
```

```
jiajan@jiajian-VirtualBox:~$ sudo systemctl enable docker
jiajan@jiajian-VirtualBox:~$ sudo systemctl status docker
● docker.service - Docker Application Container Engine
  Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; preset: e>
  Active: active (running) since Sun 2025-12-07 18:59:29 +08; 1min 25s ago
    TriggeredBy: ● docker.socket
    Docs: https://docs.docker.com
   Main PID: 5961 (dockerd)
     Tasks: 10
    Memory: 20.8M (peak: 21.3M)
      CPU: 333ms
     CGroup: /system.slice/docker.service
             └─5961 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/cont>

Dec 07 18:59:29 jiajan-VirtualBox dockerd[5961]: time="2025-12-07T18:59:29.360>
Dec 07 18:59:29 jiajan-VirtualBox dockerd[5961]: time="2025-12-07T18:59:29.656>
Dec 07 18:59:29 jiajan-VirtualBox dockerd[5961]: time="2025-12-07T18:59:29.711>
Dec 07 18:59:29 jiajan-VirtualBox dockerd[5961]: time="2025-12-07T18:59:29.711>
Dec 07 18:59:29 jiajan-VirtualBox dockerd[5961]: time="2025-12-07T18:59:29.717>
Dec 07 18:59:29 jiajan-VirtualBox dockerd[5961]: time="2025-12-07T18:59:29.717>
Dec 07 18:59:29 jiajan-VirtualBox dockerd[5961]: time="2025-12-07T18:59:29.737>
Dec 07 18:59:29 jiajan-VirtualBox dockerd[5961]: time="2025-12-07T18:59:29.741>
Dec 07 18:59:29 jiajan-VirtualBox dockerd[5961]: time="2025-12-07T18:59:29.741>
Dec 07 18:59:29 jiajan-VirtualBox systemd[1]: Started docker.service - Docker >
```

```
jiajan@jiajian-VirtualBox:~$ sudo docker pull nginx
Using default tag: latest
latest: Pulling from library/nginx
0e4bc2bd6656: Pull complete
b5feb73171bf: Pull complete
108ab8292820: Pull complete
53d743880af4: Pull complete
77fa2eb06317: Pull complete
192e2451f875: Pull complete
de57a609c9d5: Pull complete
Digest: sha256:553f64aecdc31b5bf944521731cd70e35da4faed96b2b7548a3d8e2598c52a42
Status: Downloaded newer image for nginx:latest
docker.io/library/nginx:latest
```

```
jiajan@jiajian-VirtualBox:~$ sudo docker run -d --name webserver -p 80:80 nginx
20043ec978317e7deec6220d33dbba6c771ac00bd924d3364f7af245189c47cb
```

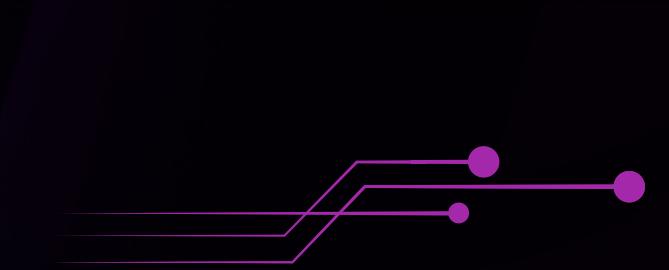
```
jiajan@jiajian-VirtualBox:~$ sudo docker pull vulnerables/web-dvwa
Using default tag: latest
latest: Pulling from vulnerables/web-dvwa
3e17c6eae66c: Pull complete
0c57df616dbf: Pull complete
eb05d18be401: Pull complete
e9968e5981d2: Pull complete
2cd72dba8257: Pull complete
6cff5f35147f: Pull complete
098cffd43466: Pull complete
b3d64a33242d: Pull complete
Digest: sha256:dae203fe11646a86937bf04db0079adef295f426da68a92b40e3b181f337daa7
Status: Downloaded newer image for vulnerables/web-dvwa:latest
docker.io/vulnerables/web-dvwa:latest
```

```
jiajan@jiajian-VirtualBox:~$ sudo docker run -d --name dvwa -p 8080:80 vulnerabl
es/web-dvwa
1d84e9072e264b45c06cbb1df46e906d75143e8d1d42e7509aac7af810362ed9
```

```
# site specific rules
include $RULE_PATH/local.rules

# The include files commented below have been disabled
# because they are not available in the stock Debian
# rules. If you install the Sourcefire VRT please make
# sure you re-enable them again:

#include $RULE_PATH/app-detect.rules
include $RULE_PATH/attack-responses.rules
include $RULE_PATH/backdoor.rules
include $RULE_PATH/bad-traffic.rules
#include $RULE_PATH/blacklist.rules
#include $RULE_PATH/botnet-cnc.rules
#include $RULE_PATH/browser-chrome.rules
#include $RULE_PATH/browser-firefox.rules
#include $RULE_PATH/browser-ie.rules
#include $RULE_PATH/browser-other.rules
#include $RULE_PATH/browser-plugins.rules
#include $RULE_PATH/browser-webkit.rules
include $RULE_PATH/chat.rules
#include $RULE_PATH/content-replace.rules
include $RULE_PATH/ddos.rules
include $RULE_PATH/dns.rules
include $RULE_PATH/dos.rules
include $RULE_PATH/experimental.rules
#include $RULE_PATH/exploit-kit.rules
include $RULE_PATH/exploit.rules
```





The background features a dark, abstract design with geometric shapes like triangles and hexagons in shades of black, dark blue, and teal. Overlaid on this are several thin, wavy purple lines of varying lengths, some ending in small circular dots.

# THANK YOU