

Project Topic: Secure File Storage and Access Management for Project Teams

Output Screenshots

Step 1: User & Group Configuration with ACLs. Created user accounts for Project-A and Project-B, configuring ACLs to restrict file access to owners only.

sudo groupadd projectA

sudo groupadd projectB

```
(janefrances@Handson)-[~]
$ sudo apt update
[sudo] password for janefrances:
Get:1 http://kali.download/kali kali-rolling InRelease [41.5 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 Packages [21.0 MB]
Get:3 http://kali.download/kali kali-rolling/main amd64 Contents (deb) [51.4 MB]
Get:4 http://kali.download/kali kali-rolling/non-free amd64 Packages [198 kB]
Get:5 http://kali.download/kali kali-rolling/non-free amd64 Contents (deb) [911 kB]
Fetched 73.5 MB in 32s (2,309 kB/s)
457 packages can be upgraded. Run 'apt list --upgradable' to see them.

(janefrances@Handson)-[~]
$ sudo groupadd projectA

(janefrances@Handson)-[~]
$ sudo groupadd projectB

(janefrances@Handson)-[~]
$
```

Used the following command to create user accounts for projectA and assigned them to groups.

sudo adduser -m -g projA pA1

sudo adduser -m -g projA pA2

sudo adduser -m -g projA pA3

sudo adduser -m -g projA pA4

sudo adduser -m -g projA pA5

```
(janefrances@Handson)-[~]
$ sudo useradd -m -g projectA PA1
[sudo] password for janefrances:

(janefrances@Handson)-[~]
$ sudo useradd -m -g projectA PA2

(janefrances@Handson)-[~]
$ sudo useradd -m -g projectA PA3

(janefrances@Handson)-[~]
$ sudo useradd -m -g projectA PA4

(janefrances@Handson)-[~]
$ sudo useradd -m -g projectA PA5
```

Used the following command to create user accounts for projectB and assigned them to groups.

```
sudo adduser -m -g projA pB1
```

```
sudo adduser -m -g projA pB2
```

```
sudo adduser -m -g projA pB3
```

```
(janefrances@Handson)-[~]  
$ sudo useradd -m -g projectB PB1  
  
(janefrances@Handson)-[~]  
$ sudo useradd -m -g projectB PB2  
  
(janefrances@Handson)-[~]  
$ sudo useradd -m -g projectB PB3  
  
(janefrances@Handson)-[~]  
$
```

Used the following command to set password for users in the ProjectA

```
sudo passwd PA1
```

```
sudo passwd PA2
```

```
sudo passwd PA3
```

```
sudo passwd PA4
```

```
sudo passwd PA5
```

```
(janefrances@Handson)-[~]  
$ sudo passwd PA1  
New password:  
Retype new password:  
passwd: password updated successfully  
  
(janefrances@Handson)-[~]  
$ sudo passwd PA2  
New password:  
Retype new password:  
passwd: password updated successfully  
  
(janefrances@Handson)-[~]  
$ sudo passwd PA3  
New password:  
Retype new password:  
passwd: password updated successfully  
  
(janefrances@Handson)-[~]  
$ sudo passwd PA4  
New password:  
Retype new password:  
passwd: password updated successfully  
  
(janefrances@Handson)-[~]  
$ sudo passwd PA5  
New password:  
Retype new password:  
Sorry, passwords do not match.  
passwd: Authentication token manipulation error  
passwd: password unchanged  
  
(janefrances@Handson)-[~]  
$ sudo passwd PA5  
New password:  
Retype new password:  
passwd: password updated successfully
```

Used the following command to set password for users in the ProjectB

`sudo passwd PA1`

`sudo passwd PA2`

`sudo passwd PA3`

```
(janefrances@Handson)-[~]
$ sudo passwd PB1
New password:
Retype new password:
passwd: password updated successfully

(janefrances@Handson)-[~]
$ sudo passwd PB2
New password:
Retype new password:
passwd: password updated successfully

(janefrances@Handson)-[~]
$ sudo passwd PB3
New password:
Retype new password:
passwd: password updated successfully

(janefrances@Handson)-[~]
$
```

Used the following command to create and secure the project directory

`sudo mkdir /home/project`

```
(janefrances@Handson)-[~]
$ sudo mkdir /home/project
[sudo] password for janefrances:
Sorry, try again.
[sudo] password for janefrances:
```

Assigned group ownership to to the groups in the directory and set directory permissions using the following commands;

`sudo chown :projectA /home/project`

`sudo chown :projectB /home/project`

`sudo chmod 770 /home/project`

```
(janefrances@Handson)-[~]
$ sudo chown :projectA /home/project

(janefrances@Handson)-[~]
$ sudo chown :projectB /home/project

(janefrances@Handson)-[~]
$ sudo chmod 770 /home/project

(janefrances@Handson)-[~]
$
```

Configured ACLs and restricted modifications using the following commands;

```
sudo setfacl -m u:PA1:rwX /home/project
sudo setfacl -m u:PA2:rwX /home/project
sudo setfacl -m u:PA3:rwX /home/project
sudo setfacl -m u:PA4:rwX /home/project
sudo setfacl -m u:PA5:rwX /home/project
sudo setfacl -m u:PB1:rwX /home/project
sudo setfacl -m u:PB2:rwX /home/project
sudo setfacl -m u:PB3:rwX /home/project
```

```
(janefrances@Handson)-[~]
$ sudo setfacl -m u:PA1:rwX /home/project
(janefrances@Handson)-[~]
$ sudo setfacl -m u:PA2:rwX /home/project
(janefrances@Handson)-[~]
$ sudo setfacl -m u:PA3:rwX /home/project
(janefrances@Handson)-[~]
$ sudo setfacl -m u:PA4:rwX /home/project
(janefrances@Handson)-[~]
$ sudo setfacl -m u:PA5:rwX /home/project
(janefrances@Handson)-[~]
$ sudo setfacl -m u:PB1:rwX /home/project
(janefrances@Handson)-[~]
$ sudo setfacl -m u:PB2:rwX /home/project
(janefrances@Handson)-[~]
$ sudo setfacl -m u:PB3:rwX /home/project
(janefrances@Handson)-[~]
$
```

Used the following command to restrict others from deleting or modifying the files;
sudo setfacl -m g::r-x /home/project

```
(janefrances@Handson)-[~]
$ sudo setfacl -m g::r-x /home/project
[sudo] password for janefrances:
(janefrances@Handson)-[~]
$
```

Used the command below to apply default ACLs:

```
sudo setfacl -d -m u::rwX /home/project
sudo setfacl -d -m o::--- /home/project
```

```
(janefrances@Handson)-[~]
$ sudo setfacl -d -m u::rwX /home/project
(janefrances@Handson)-[~]
$ sudo setfacl -d -m o::--- /home/project
(janefrances@Handson)-[~]
$
```

```
sudo chmod +t /home/project
```

Step 2: Apply directory and file permissions

```
sudo chsh -s /bin/bash PA1
```

```
sudo chsh -s /bin/bash PA2
```

```
sudo chsh -s /bin/bash PA3
```

```
sudo chsh -s /bin/bash PA4
```

```
sudo chsh -s /bin/bash PA5
```

```
sudo chsh -s /bin/bash PB1
```

```
sudo chsh -s /bin/bash PB2
```

```
sudo chsh -s /bin/bash PB3
```

Set the history limit for senior analysts (PA1 and PA5) using the command below;

```
echo "HISTSIZE=10" | sudo tee -a /home/PA1/.bashrc
```

```
echo "HISTSIZE=10" | sudo tee -a/home/PA5/.bashrc
```

Used the command below to set the limit history for other users:

```
echo "HISTSIZE=50" | sudo tee -a /home/PA2/.bashrc
```

```
echo "HISTSIZE=50" | sudo tee -a/home/PA3/.bashrc
```

```
echo "HISTSIZE=50" | sudo tee -a/home/PA4/.bashrc
```

```
echo "HISTSIZE=50" | sudo tee -a/home/PB1/.bashrc
```

```
echo "HISTSIZE=50" | sudo tee -a/home/PB2/.bashrc
```

```
echo "HISTSIZE=50" | sudo tee -a/home/PB3/.bashrc
```

```

(janefrances@Handson)-[~]
$ echo "HISTSIZE=10" | sudo tee -a /home/PA1/.bashrc
[sudo] password for janefrances: (VirtualBox, Metasploitable, etc.)
"HISTSIZE=10"

Network Topology & IP Scheme
(janefrances@Handson)-[~]
$ echo "HISTSIZE=10" | sudo tee -a /home/PA5/.bashrc
"HISTSIZE=10"

(janefrances@Handson)-[~]
$ echo "HISTSIZE=50" | sudo tee -a /home/PA2/.bashrc
"HISTSIZE=50" in based on scan results

(janefrances@Handson)-[~] report template or sample PDF export for reference?
$ echo "HISTSIZE=50" | sudo tee -a /home/PA3/.bashrc
"HISTSIZE=50"

(janefrances@Handson)-[~]
$ echo "HISTSIZE=50" | sudo tee -a /home/PA4/.bashrc
"HISTSIZE=50"

sudo apt-get install linux/homeproject
(janefrances@Handson)-[~]
$ echo "HISTSIZE=50" | sudo tee -a /home/PB1/.bashrc
"HISTSIZE=50"

sudo apt-get install bash PA1
(janefrances@Handson)-[~]
$ echo "HISTSIZE=50" | sudo tee -a /home/PB2/.bashrc
"HISTSIZE=50"

$ echo "HISTSIZE=50" | sudo tee -a /home/PB3/.bashrc
"HISTSIZE=50"

(janefrances@Handson)-[~]
$

```

Step 3: Enable access logging. Used Syslog/Syslog to log unauthorized access attempts, ensuring secure storage for IT review.

Used the command below to install and configure linux audit daemon:

sudo apt-get install auditd -y

```

(janefrances@Handson)-[~]
$ sudo apt update
Get:1 http://kali.download/kali kali-rolling InRelease [41.5 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 Packages [21.0 MB]
Get:3 http://kali.download/kali kali-rolling/main amd64 Contents (deb) [51.4 MB]
Fetched 72.4 MB in 36s (2,004 kB/s)
457 packages can be upgraded. Run 'apt list --upgradable' to see them.

(janefrances@Handson)-[~]
$ sudo apt-get install auditd -y
[sudo] password for janefrances:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libauparse0t64
Suggested packages:
  auditd-plugins
The following NEW packages will be installed:
  auditd libauparse0t64
0 upgraded, 2 newly installed, 0 to remove and 457 not upgraded.
Need to get 286 kB of archives.
After this operation, 954 kB of additional disk space will be used.
Get:1 http://kali.org/kali kali-rolling/main amd64 libauparse0t64 amd64 1:4.0.2-2+b2 [68.6 kB]
Get:2 http://kali.org/kali kali-rolling/main amd64 auditd amd64 1:4.0.2-2+b2 [217 kB]
Fetched 286 kB in 16s (17.3 kB/s)
Selecting previously unselected package libauparse0t64:amd64.
(Reading database ... 434780 files and directories currently installed.)
Preparing to unpack .../libauparse0t64_1k3a4.0.2-2+b2_amd64.deb ...
Adding 'diversion of /lib/x86_64-linux-gnu/libauparse.so.0 to /lib/x86_64-linux-gnu/libauparse.so.0.usr-is-merged by libauparse0t64'
Unpacking libauparse0t64:amd64 (1:4.0.2-2+b2) ...
Selecting previously unselected package auditd.
Preparing to unpack .../auditd_1k3a4.0.2-2+b2_amd64.deb ...
Unpacking auditd (1:4.0.2-2+b2) ...
Setting up libauparse0t64:amd64 (1:4.0.2-2+b2) ...
Setting up auditd (1:4.0.2-2+b2) ...
update-rc.d: We have no instructions for the auditd init script.
update-rc.d: It looks like a non-network service, we enable it.
audit.rules.service is a disabled or a static unit, not starting it.
auditd.service is a disabled or a static unit, not starting it.
Processing triggers for man-db (2.13.1-1) ...
Processing triggers for kali-menu (2025.2.7) ...
Processing triggers for libc-bin (2.41-6) ...

(janefrances@Handson)-[~]
$

```

Used the following command to create audit rules and log access towards the project directory: **sudo auditctl -w /home/project -p rwx -k project_access**

```
(janefrances@Handson)-[~]:sults
$ sudo auditctl -w /home/project -p rwx -k project_access
Old style watch rules are slower
```

Used the command below to start and enable **auditd** service and verify status:

sudo systemctl start auditd

sudo systemctl enable auditd

sudo systemctl status auditd

```
(janefrances@Handson)-[~]
$ sudo systemctl start auditd
(janefrances@Handson)-[~]
$ sudo systemctl enable auditd
Synchronizing state of auditd.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable auditd
Created symlink '/etc/systemd/system/multi-user.target.wants/auditd.service' -> '/usr/lib/systemd/system/auditd.service'.
(janefrances@Handson)-[~]
$
```

```
(janefrances@Handson)-[~]
$ sudo systemctl start auditd
(janefrances@Handson)-[~]
$ sudo systemctl enable auditd
Synchronizing state of auditd.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable auditd
Created symlink '/etc/systemd/system/multi-user.target.wants/auditd.service' -> '/usr/lib/systemd/system/auditd.service'.
(janefrances@Handson)-[~]
$ sudo systemctl status auditd
auditd.service - Security Audit Logging Service
Loaded: loaded (/usr/lib/systemd/system/auditd.service; enabled; preset: disabled)
Active: active (running) since Wed 2025-08-13 00:19:26 EDT; 4min 50s ago
Invocation: a228f5f741604f719935e10540283973
Docs: man:auditd(8)
https://github.com/linux-audit/audit-documentation
Main PID: 224346 (auditd)
Tasks: 2 (limit: 4546)
Memory: 672K (peak: 1.8M)
CPU: 36ms
CGroup: /system.slice/auditd.service
224346 /usr/sbin/auditd bashrc
Aug 13 00:19:26 Handson systemd[1]: Starting auditd.service - Security Audit Logging Service ...
Aug 13 00:19:26 Handson auditd[224346]: No plugins found, not dispatching events
Aug 13 00:19:26 Handson auditd[224346]: Init complete, auditd 4.0.2 listening for events (startup state enable)
Aug 13 00:19:26 Handson systemd[1]: Started auditd.service - Security Audit Logging Service.
(janefrances@Handson)-[~]
$
```

Used the command below to create and verify the audit rules: **sudo nano**

/etc/audit/rules.d/audit.rules and typed the following command and pressed **ctrl+s** to save and **ctrl+x** to exit; **-w /home/project -p rwx -k project_access**

Step 4: Develop a web-based reporting interface. Developed a web dashboard for IT teams to monitor and analyze security violations.

4.1 Used the following command to install Apache2: **sudo apt-get install apache2**

```
(jane frances@Handson)-[~]
$ sudo apt-get install apache2
[sudo] password for jane frances:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils
The following packages will be upgraded:
  apache2 apache2-bin apache2-data apache2-utils
4 upgraded, 0 newly installed, 0 to remove and 453 not upgraded.
Need to get 2,004 kB of archives.
After this operation, 19.5 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://mirror.math.princeton.edu/pub/kali kali-rolling/main amd64 apache2 amd64 2.4.65-2 [224 kB]
Get:2 http://mirror.math.princeton.edu/pub/kali kali-rolling/main amd64 apache2-bin amd64 2.4.65-2 [215 kB]
Get:3 http://mirror.math.princeton.edu/pub/kali kali-rolling/main amd64 apache2-data all 2.4.65-2 [1,405 kB]
Get:4 http://mirror.math.princeton.edu/pub/kali kali-rolling/main amd64 apache2-utils amd64 2.4.65-2 [160 kB]
Fetched 2,004 kB in 11s (178 kB/s)
(Reading database ... 434880 files and directories currently installed.)
Preparing to unpack .../apache2_2.4.65-2_amd64.deb ...
Unpacking apache2 (2.4.65-2) over (2.4.63-1) ...
Preparing to unpack .../apache2-bin_2.4.65-2_amd64.deb ...
Unpacking apache2-bin (2.4.65-2) over (2.4.63-1) ...
Preparing to unpack .../apache2-data_2.4.65-2_all.deb ...
Unpacking apache2-data (2.4.65-2) over (2.4.63-1) ...
Preparing to unpack .../apache2-utils_2.4.65-2_amd64.deb ...
Unpacking apache2-utils (2.4.65-2) over (2.4.63-1) ...
Setting up apache2-bin (2.4.65-2) ...
Setting up apache2-data (2.4.65-2) ...
Setting up apache2-utils (2.4.65-2) ...
Setting up apache2 (2.4.65-2) ...
Installing new version of config file /etc/apache2/mods-available/ssl.conf ...
apache2.service is a disabled or a static unit not running, not starting it.
apache-htcacheclean.service is a disabled or a static unit not running, not starting it.
Processing triggers for kali-menu (2025.2.7) ...
Processing triggers for man-db (2.13.1-1) ...

(jane frances@Handson)-[~]
$
```

Transferred logs using the following commands: **ausearch -k project_access >> /var/www/html/auditlog.txt** and **crontab** for automation: **crontab -e**

```
(jane frances@Handson)-[~]_access
$ sudo su -
(root@Handson)-[~]
# ausearch -k project_access >> /var/www/auditlog.txt
echo test >> /home/project/new.txt # write
chmod 755 /home/project/new.txt # attribute change
(root@Handson)-[~]
# crontab -e
no crontab for root - using an empty one
Select an editor. To change later, run select-editor again.
 1. /bin/nano          ← easiest
 2. /usr/bin/vim.basic
 3. /usr/bin/vim.tiny

Choose 1-3 [1]: 1
```

Typed the following command within the crontab file, saved and exited; ***/5 * * * ***
ausearch -k project_access >> /var/www/html/auditlog.txt

```

(janefrances@Handson)-[~]
$ sudo su -audit/rules.d/audit.rules
(root@Handson)-[~]
# ausearch -k project_access >> /var/www/auditlog.txt

(root@Handson)-[~]
# crontab -e
no crontab for root - using an empty one
Select an editor. To change later, run select-editor again.
 1. /bin/nano          ← easiest
 2. /usr/bin/vim.basic
 3. /usr/bin/vim.tiny
Choose 1-3 [1]: 1
crontab: installing new crontab

(root@Handson)-[~]
#

```

Used the following command to edit apache2 configuration; **sudo nano**

/etc/apache2/sites-available/000-default.conf

Typed the following command in the GNU nano 7.2 to add or modify, then pressed Ctrl S to save and Ctrl X to exit.

<VirtualHost>

<Directory /var/www/html>

AllowOverride All

</Directory>

```

(root@Handson)-[~]
# sudo nano /etc/apache2/sites-available/000-default.conf

(root@Handson)-[~]
#

```



```
(root@Handson)-[~]
# sudo htpasswd -c /var/www/html/.htpasswd admin
New password:
Re-type new password:
Adding password for user admin

(root@Handson)-[~]
#
```

Used the following command to start and enable apache2

systemctl start apache2

systemctl enable apache2

```
(root@Handson)-[~]
# systemctl start apache2
[root@Handson ~]# systemctl enable apache2
Synchronizing state of apache2.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable apache2
Created symlink '/etc/systemd/system/multi-user.target.wants/apache2.service' -> '/usr/lib/systemd/system/apache2.service'.

(root@Handson)-[~]
#
```

Step 5: Verify and Validate configurations. Ensured security settings persist after reboots to maintain continuous protection and compliance

Logged in as PA1 and created a text file;

su - PA1

touch /home/project/testfile.txt

```
(root@Handson)-[~]
# su - PA1
"HISTSIZE=10": command not found
(PA1@Handson)-[~]
$ touch /home/project/testfile.txt

(PA1@Handson)-[~]
$
```

Logged in as PA2 and removed the file created by user PA1, got an error and then logged out; **su - PA2** and **rm -f /home/project/testfile.txt**

```
(PA2@Handson)-[~] 660 2025 [core:alert] [pid 369261:td 369261] [client 127.0.0.1:40722] /var/www/h
$ rm -f /home/project/testfile.txt
rm: cannot remove '/home/project/testfile.txt': Operation not permitted

(PA2@Handson)-[~]
$
```

Logged in as senior analyst (PA1) and viewed the command history;

su - PA1

History

```

(root@Handson)-[~]less"
# su - PA1 /var/www/html/.htpasswd
"HISTSIZE=10": command not found
(PA1@Handson)-[~]
$ history
 1 exit
 2 touch /home/project/testfile.txt
 3 exit
 4 history
(PA1@Handson)-[~]
$ █

```

Used the following command to test audit logging of unauthorised access attempts;
sudo ausearch -k project_access

```

(janefrances@Handson)-[~]
$ sudo ausearch -k project_access

[sudo] password for janefrances:PASS
/var/log/audit/audit.log is not owned by root
NOTE - using built-in end_of_event_timeout: 2
NOTE - using built-in logs: /var/log/audit/audit.log

time-->Wed Aug 13 13:59:06 2025
type=PROCTITLE msg=audit(1755107946.545:528): proctitle=617564697463746C002D77002F686F6D652F70726F6A656374002D70007
2777861002D6B0070726F6A6563745F616363657373
type=SOCKADDR msg=audit(1755107946.545:528): saddr=10000000000000000000000000000000
type=SYSCALL msg=audit(1755107946.545:528): arch=c000003e syscall=44 success=yes exit=1084 a0=4 a1=7ffe63fb7a90 a2=
43c a3=0 items=0 ppid=306758 pid=306759 auid=1000 uid=0 gid=0 euid=0 suid=0 fsuid=0 egid=0 sgid=0 fsgid=0 tty=pts1
ses=2 comm="auditctl" exe="/usr/sbin/auditctl" subj=unconfined key=(null)
type=CONFIG_CHANGE msg=audit(1755107946.545:528): auid=1000 ses=2 subj=unconfined op=add_rule key="project_access"
list=4 res=0

time-->Wed Aug 13 14:01:49 2025
type=PROCTITLE msg=audit(1755108109.639:535): proctitle=2F7362696E2F617564697463746C002D52002F6574632F61756469742F6
1756469742E72756C6573
type=SOCKADDR msg=audit(1755108109.639:535): saddr=10000000000000000000000000000000
type=SYSCALL msg=audit(1755108109.639:535): arch=c000003e syscall=44 success=yes exit=1084 a0=3 a1=7ffed9234a10 a2=
43c a3=0 items=0 ppid=308103 pid=308118 auid=4294967295 uid=0 gid=0 euid=0 suid=0 fsuid=0 egid=0 sgid=0 fsgid=0 tty
=(none) ses=4294967295 comm="auditctl" exe="/usr/sbin/auditctl" subj=unconfined key=(null)
type=CONFIG_CHANGE msg=audit(1755108109.639:535): auid=4294967295 ses=4294967295 subj=unconfined op=remove_rule key
="project_access" list=4 res=1

time-->Wed Aug 13 14:01:49 2025
type=PROCTITLE msg=audit(1755108109.643:539): proctitle=2F7362696E2F617564697463746C002D52002F6574632F61756469742F6
1756469742E72756C6573
type=SYSCALL msg=audit(1755108109.643:539): arch=c000003e syscall=44 success=yes exit=1084 a0=3 a1=7ffed9236ea0 a2=
43c a3=0 items=0 ppid=308103 pid=308118 auid=4294967295 uid=0 gid=0 euid=0 suid=0 fsuid=0 egid=0 sgid=0 fsgid=0 tty
=(none) ses=4294967295 comm="auditctl" exe="/usr/sbin/auditctl" subj=unconfined key=(null)
type=CONFIG_CHANGE msg=audit(1755108109.643:539): auid=4294967295 ses=4294967295 subj=unconfined op=add_rule key="p
roject_access" list=4 res=1

time-->Wed Aug 13 23:54:24 2025
type=PROCTITLE msg=audit(1755143664.684:878): proctitle=617564697463746C002D77002F686F6D652F70726F6A656374002D70007
2777861002D6B0070726F6A6563745F616363657373
type=SOCKADDR msg=audit(1755143664.684:878): saddr=10000000000000000000000000000000
type=SYSCALL msg=audit(1755143664.684:878): arch=c000003e syscall=44 success=yes exit=1084 a0=4 a1=7ffdae6793e0 a2=
43c a3=0 items=0 ppid=344338 pid=344339 auid=1000 uid=0 gid=0 euid=0 suid=0 fsuid=0 egid=0 sgid=0 fsgid=0 tty=pts1
ses=2 comm="auditctl" exe="/usr/sbin/auditctl" subj=unconfined key=(null)
type=CONFIG_CHANGE msg=audit(1755143664.684:878): auid=1000 ses=2 subj=unconfined op=add_rule key="project_access"
list=4 res=0

time-->Thu Aug 14 00:07:52 2025 [core:alert] [pid 369261:td 369261] [client 127.0.0.1:41008] /var/www/html/.htaccess: AuthName takes o
type=PROCTITLE msg=audit(1755144472.985:921): proctitle="/usr/sbin/updatedb.plocate" /var/www/html/.htaccess: AuthName takes o
type=PATH msg=audit(1755144472.985:921): item=0 name="project" inode=2493607 dev=08:01 mode=041770 ouid=0 ogid=1002
rdev=00:00 nametype=NORMAL cap_fp=0 cap_fi=0 cap_fe=0 cap_fver=0 cap_frootid=0
type=CWD msg=audit(1755144472.985:921): cwd="/"
type=SYSCALL msg=audit(1755144472.985:921): arch=c000003e syscall=257 success=yes exit=25 a0=a a1=5577c1f1af60 a2=1
0000 a3=0 items=1 ppid=1 pid=351025 auid=4294967295 uid=0 gid=0 euid=0 suid=0 fsuid=0 egid=0 sgid=0 fsgid=0 tty=(no

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time-Wed Aug 13 13:59:06 2025
type=PROCTITLE msg=audit(1751187946.545:528): proctitle=7F1564697463746C002D7700F686F0652F70726F6A6563740E2708072778610020680070726F6A6563745F6163636557373
type=SOCKADDR msg=audit(1751187946.545:528): saddr=1000000000000000000000000000000000
type=SYSCALL msg=audit(1751187946.545:528): arch=c000003c syscall=44 success=yes exit=1084 a0=al=77fe63b7a9 a2=43c a3=0 items=0 ppid=306758 pid=306758 uid=1000 uid=0 gid=0 euid=0 suid=0 fsuid=0
egid=0 sgid=0 fsgid=0 tty=pts1 ses=2 comm="auditctl" exe="/usr/sbin/auditctl" subj=unconfined key=(null)
type=CONFIG_CHANGE msg=audit(1751187946.545:528): audit=1008 ses=2 subj=unconfined op=add_rule key="project_access" list=4 res=0

time-Wed Aug 13 14:01:49 2025
type=PROCTITLE msg=audit(1751188109.639:535): proctitle=2F3762696E2F617564697463746C002D52082F6574632F7156469742F61756469742E27256C6573
type=SOCKADDR msg=audit(1751188109.639:535): saddr=1000000000000000000000000000000000
type=SYSCALL msg=audit(1751188109.639:535): arch=c000003c syscall=44 success=yes exit=1084 a0=a1=77fed9234a0 a2=43c a3=0 items=0 ppid=308103 pid=308118 audit=4294967295 uid=0 gid=0 euid=0 suid=0 fsuid=0
egid=0 sgid=0 fsgid=0 tty=(none) ses=4294967295 comm="auditctl" exe="/usr/sbin/auditctl" subj=unconfined key=(null)
type=CONFIG_CHANGE msg=audit(1751188109.639:535): audit=4294967295 ses=4294967295 subj=unconfined op=remove_rule key="project_access" list=4 res=1

time-Wed Aug 13 14:01:49 2025
type=PROCTITLE msg=audit(1751188109.643:539): proctitle=2F3762696E2F617564697463746C002D52082F6574632F7156469742F61756469742E27256C6573
type=SYSCALL msg=audit(1751188109.643:539): arch=c000003c syscall=44 success=yes exit=1084 a0=a1=77fed9236a0 a2=43c a3=0 items=0 ppid=308103 pid=308118 audit=4294967295 uid=0 gid=0 euid=0 suid=0 fsuid=0
egid=0 sgid=0 fsgid=0 tty=(none) ses=4294967295 comm="auditctl" exe="/usr/sbin/auditctl" subj=unconfined key=(null)
type=CONFIG_CHANGE msg=audit(1751188109.643:539): audit=4294967295 ses=4294967295 subj=unconfined op=add_rule key="project_access" list=4 res=1

time-Wed Aug 13 23:54:24 2025
type=PROCTITLE msg=audit(1751143664.684:878): proctitle=7F1564697463746C002D7700F686F0652F70726F6A6563740E2708072778610020680070726F6A6563745F6163636557373
type=SOCKADDR msg=audit(1751143664.684:878): saddr=1000000000000000000000000000000000
type=SYSCALL msg=audit(1751143664.684:878): arch=c000003c syscall=44 success=yes exit=1084 a0=a1=77fdde6793e a2=43c a3=0 items=0 ppid=344338 pid=344339 uid=1000 uid=0 gid=0 euid=0 suid=0 fsuid=0
egid=0 sgid=0 fsgid=0 tty=pts1 ses=2 comm="auditctl" exe="/usr/sbin/auditctl" subj=unconfined key=(null)
type=CONFIG_CHANGE msg=audit(1751143664.684:878): audit=1008 ses=2 subj=unconfined op=add_rule key="project_access" list=4 res=0

time-Thu Aug 14 00:07:52 2025
type=PROCTITLE msg=audit(1751144472.985:921): proctitle="w" type=SYSCALL msg=audit(1751144472.985:921): arch=c000003c syscall=257 success=yes exit=25 a0=a1=5577c1f1a68 a2=10000 a3=0 items=1 ppid=31025 audit=4294967295 uid=0 gid=0 euid=0 suid=0 fsuid=0
egid=0 sgid=0 fsgid=0 tty=(none) ses=4294967295 comm="updatedb.plocate" exe="/usr/sbin/updatedb.plocate" subj=unconfined key="project_access"

time-Thu Aug 14 00:56:38 2025
type=PROCTITLE msg=audit(175117398.000:1169): proctitle=746F756368002F686F0652F70726F6A6563742F74657374466696C652E74874
type=SYSCALL msg=audit(175117398.000:1169): item=1 name="/home/project/testfile.txt" inode=2429201 dev=08:01 uid=0 oid=1082 rdev=00:00 nametype=NORMAL cap_fp=0 cap_fi=0 cap_fe=0 cap_fver=0 cap_frootid=0
type=PATH msg=audit(175117398.000:1169): item=0 name="/home/project/" inode=2493607 dev=08:01 uid=0 oid=1082 rdev=00:00 nametype=NORMAL cap_fp=0 cap_fi=0 cap_fe=0 cap_fver=0 cap_frootid=0
type=PATH msg=audit(175117398.000:1169): item=0 name="/home/project/" inode=2493607 dev=08:01 uid=0 oid=1082 rdev=00:00 nametype=PARENT cap_fp=0 cap_fi=0 cap_fe=0 cap_fver=0 cap_frootid=0
type=CWD msg=audit(175117398.000:1169): cwd="/home/PALI"
type=SYSCALL msg=audit(175117398.000:1169): arch=c000003c syscall=257 success=yes exit=3 a0=ffffffffffff99c a1=77fc32bc5c5 a2=041 a3=1b6 items=2 ppid=337261 pid=375689 audit=1000 uid=1001 gid=1001
uid=1001 suid=1001 fsuid=1001 egid=1001 sgid=1001 fsgid=1001 tty=pts1 ses=2 comm="touch" exe="/usr/bin/touch" subj=unconfined key="project_access"

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Prepared by: Jane frances Nwachukwu
Date: 08/14/2025