

Secure Internet gateway

Download and Installation process of Secure Internet gateway.

Step 1: First, please check antivirus install or not and proper working or not.

dpkg --get-selections | grep escan.

```
fusion@FMPLUP0922WS01:~/Desktop$ dpkg --get-selections | grep escan
escan-antivirus                                install
fusion@FMPLUP0922WS01:~/Desktop$
```

Step 2: Install git package for access git repository.

cd Music/

sudo apt-get install git -y

```
fusion@FMPLUP0922WS01:~/Music$ sudo apt-get install -y git
[sudo] password for fusion:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  git-man liberror-perl
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc git-el git-email git-gui gitk
  gitweb git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
  git git-man liberror-perl
0 upgraded, 3 newly installed, 0 to remove and 467 not upgraded.
Need to get 5,471 kB of archives.
After this operation, 38.4 MB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu focal/main amd64 liberror-perl all 0.17029-1 [26.5 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 git-man all 1:2.25.1-1ubuntu3.4 [885
kB]
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 git amd64 1:2.25.1-1ubuntu3.4 [4,560
kB]
Fetched 5,471 kB in 16s (353 kB/s)
Selecting previously unselected package liberror-perl.
(Reading database ... 159499 files and directories currently installed.)
Preparing to unpack .../liberror-perl_0.17029-1_all.deb ...
Unpacking liberror-perl (0.17029-1) ...
Selecting previously unselected package git-man.
Preparing to unpack .../git-man_1%3a2.25.1-1ubuntu3.4_all.deb ...
Unpacking git-man (1:2.25.1-1ubuntu3.4) ...
Selecting previously unselected package git.
Preparing to unpack .../git_1%3a2.25.1-1ubuntu3.4_amd64.deb ...
Unpacking git (1:2.25.1-1ubuntu3.4) ...
Setting up liberror-perl (0.17029-1) ...
Setting up git-man (1:2.25.1-1ubuntu3.4) ...
Setting up git (1:2.25.1-1ubuntu3.4) ...
Processing triggers for man-db (2.9.1-1) ...
fusion@FMPLUP0922WS01:~/Music$
```

Step3: Copy Prisma directory from GitHub repository

sudo git clone <https://github.com/jenkinstudent/prisma>

```
fusion@FMPLUP0922WS01:~/Music$ sudo git clone https://github.com/jenkinstudent/prisma
Cloning into 'prisma'...
remote: Enumerating objects: 26, done.
remote: Counting objects: 100% (26/26), done.
remote: Compressing objects: 100% (25/25), done.
remote: Total 26 (delta 7), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (26/26), 7.78 MiB | 526.00 KiB/s, done.
fusion@FMPLUP0922WS01:~/Music$
```

Step4: Move to Prisma Directory and check open long list of directories or files.

cd prisma

ls -l or ls -lrt

```
fusion@FMPLBRLT216:~/Music/prisma$ ls -lrth
total 20M
-rw-r--r-- 1 root root 31K Feb 6 12:32 'Connect to a GlobalProtect portal Installation Steps.docx'
-rw-r--r-- 1 root root 2.4M Feb 6 12:32 ClSetup_20200723_144156440.exe
-rw-r--r-- 1 root root 254K Feb 6 12:32 FusionWall.jpg
-rw-r--r-- 1 root root 9.1M Feb 6 12:32 GlobalProtect_UI_deb-6.0.4.1-28.deb
-rw-r--r-- 1 root root 1.1K Feb 6 12:32 SSL_ROOT_CA.crt
-rw-r--r-- 1 root root 834 Feb 6 12:32 SSL_Forward-Trust-CA-ECDSA.crt
-rw-r--r-- 1 root root 1.1K Feb 6 12:32 SSL_Forward-Trust-CA.crt
-rw-r--r-- 1 root root 2.4K Feb 6 12:32 'Root CA.p12'
-rw-r--r-- 1 root root 49 Feb 6 12:32 README.md
-rw-r--r-- 1 root root 862 Feb 6 12:32 Mint_Script.sh
-rw-r--r-- 1 root root 18K Feb 6 12:32 LMCLSetup_20191217_162733446.sh
-rw-r--r-- 1 root root 1.1K Feb 6 12:32 LICENSE
-rw-r--r-- 1 root root 7.2M Feb 6 12:32 GlobalProtect_deb-6.0.1.1-6.deb
-rw-r--r-- 1 root root 1.1M Feb 6 12:32 'Secure Internet gateway.pdf'
```

Step5: Grant permission to execute shell script file (Mint_Script.sh).

sudo chmod u+x Mint_Script.sh

```
fusion@FMPLUP0922WS01:~/Music/prisma$ sudo chmod u+x Mint_Script.sh
```

🚦 permission has been granted, please check given below screenshot for your reference.

ls -l or ls -lrt

```
fusion@FMPLUP0922WS01:~/Music/prisma$ ls -l
total 8552
-rw-r--r-- 1 root root 2506788 Jun 29 15:09 ClSetup_20200723_144156440.exe
-rw-r--r-- 1 root root 31679 Jun 29 15:09 'Connect to a GlobalProtect portal Installation Steps.docx'
-rw-r--r-- 1 root root 6166521 Jun 29 15:09 GlobalProtect_deb-5.3.0.0-32.deb
-rw-r--r-- 1 root root 1070 Jun 29 15:09 LICENSE
-rw-r--r-- 1 root root 17751 Jun 29 15:09 LMCLSetup_20191217_162733446.sh
-rwxr--r-- 1 root root 743 Jun 29 15:09 Mint_Script.sh
-rw-r--r-- 1 root root 49 Jun 29 15:09 README.md
-rw-r--r-- 1 root root 1103 Jun 29 15:09 SSL_Forward-Trust-CA.crt
-rw-r--r-- 1 root root 834 Jun 29 15:09 SSL_Forward-Trust-CA-ECDSA.crt
-rw-r--r-- 1 root root 1099 Jun 29 15:09 SSL_ROOT_CA.crt
fusion@FMPLUP0922WS01:~/Music/prisma$
```


Step6: Execute shell script for installation some application and dependencies on Linux OS.

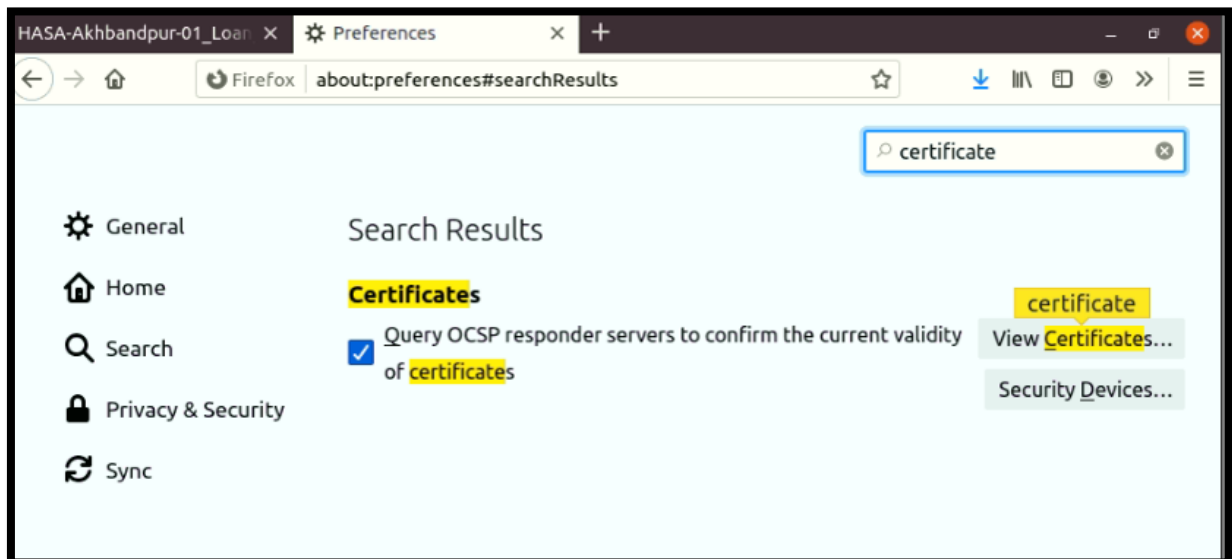
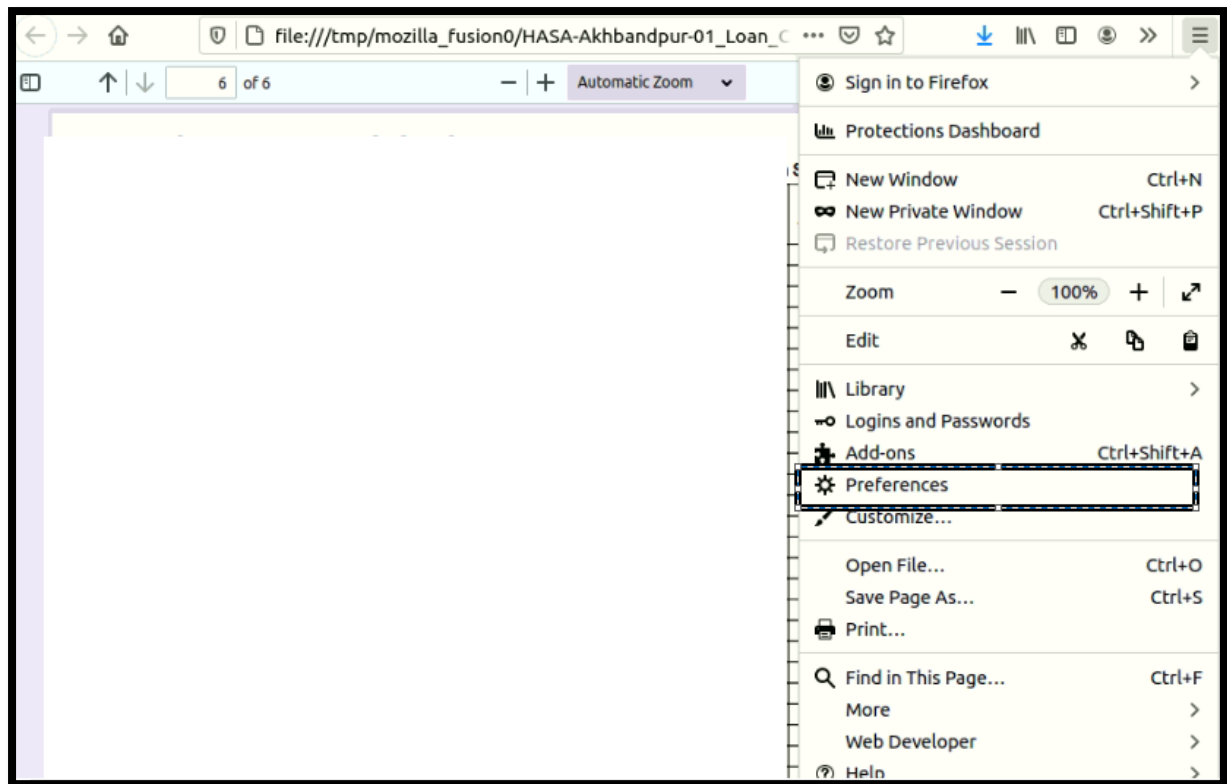
sudo bash Mint_Script.sh

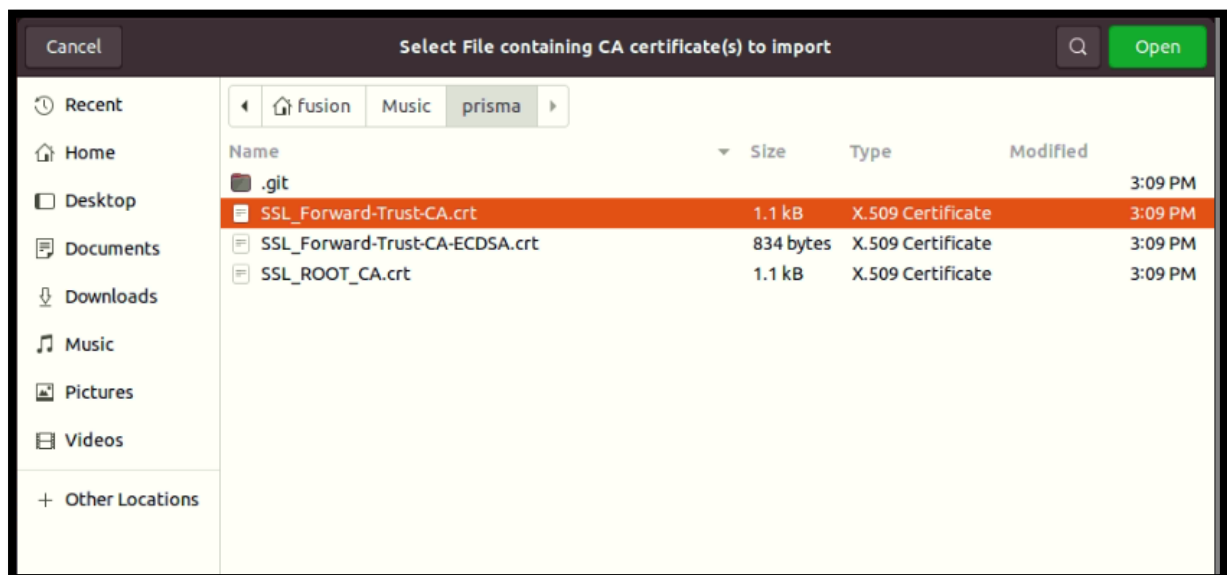
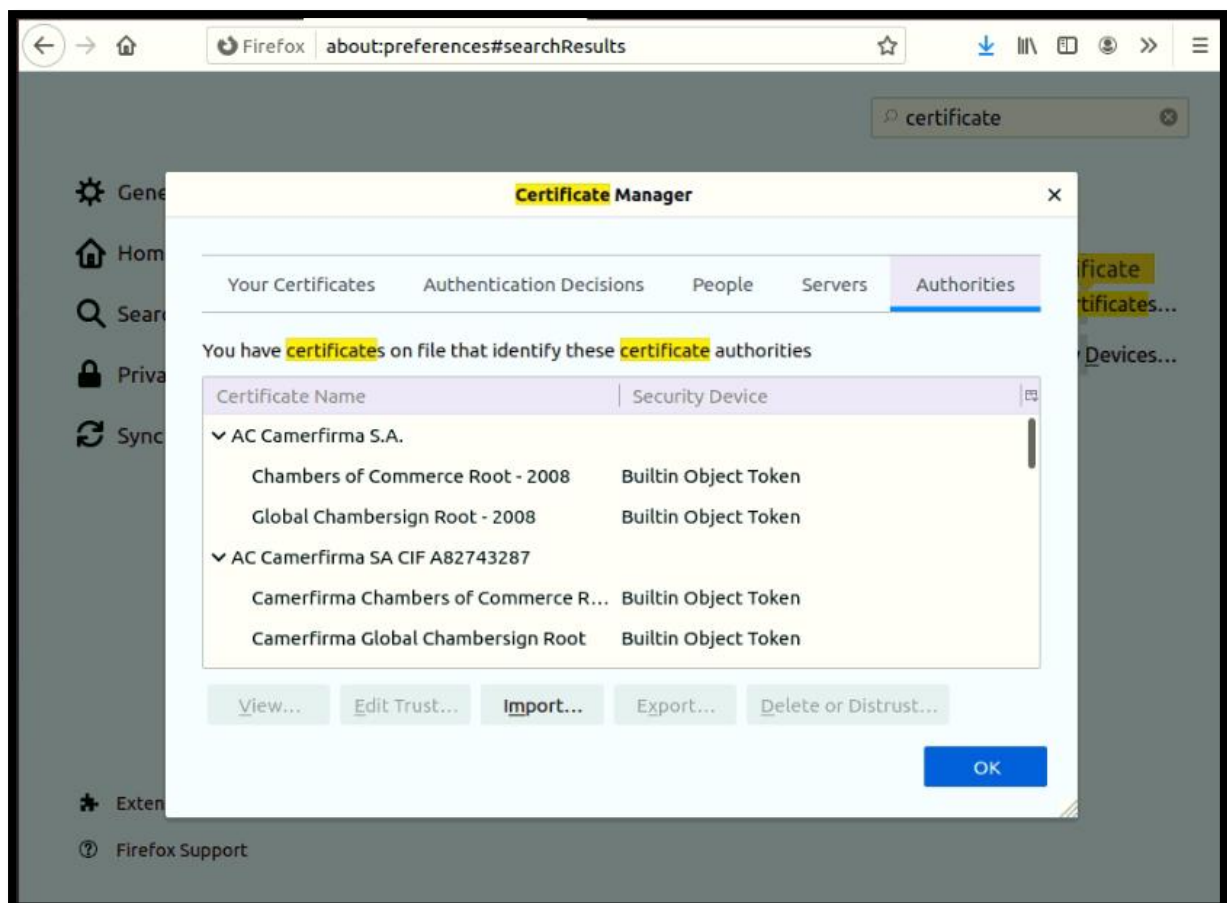
```
fuston@FMPLUP0922WS01:~/Music/prisma$ sudo bash Mint_Script.sh
Hit:1 http://in.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://dl.google.com/linux/chrome/deb stable InRelease
Get:5 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:6 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadata [40.8 kB]
Get:7 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Metadata [66.5 kB]
Get:8 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 DEP-11 Metadata [2,464 B]
Fetched 224 kB in 3s (78.3 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
467 packages can be upgraded. Run 'apt list --upgradable' to see them.
--2022-06-29 15:13:59-- https://download.teamviewer.com/download/linux/teamviewer_amd64.deb
Resolving download.teamviewer.com (download.teamviewer.com)... 104.16.63.16, 104.16.62.16, 2606:4700:8390:20a8:6f39:14a:38ce:258f
Connecting to download.teamviewer.com (download.teamviewer.com)|104.16.63.16|:443... connected.
HTTP request sent, awaiting response... 302 Found
Cookie coming from download.teamviewer.com attempted to set domain to downloadprovider.teamviewer.com
Cookie coming from download.teamviewer.com attempted to set domain to downloadprovider.teamviewer.com
Location: https://dl.teamviewer.com/download/linux/version_15x/teamviewer_15.31.5_amd64.deb [following]
--2022-06-29 15:14:00-- https://dl.teamviewer.com/download/linux/version_15x/teamviewer_15.31.5_amd64.d
eb
Resolving dl.teamviewer.com (dl.teamviewer.com)... 104.16.63.16, 104.16.62.16, 2606:4700:8390:20a8:6f39:411:38ce:258f
Connecting to dl.teamviewer.com (dl.teamviewer.com)|104.16.63.16|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 70760432 (67M) [application/octet-stream]
Saving to: 'teamviewer_amd64.deb'

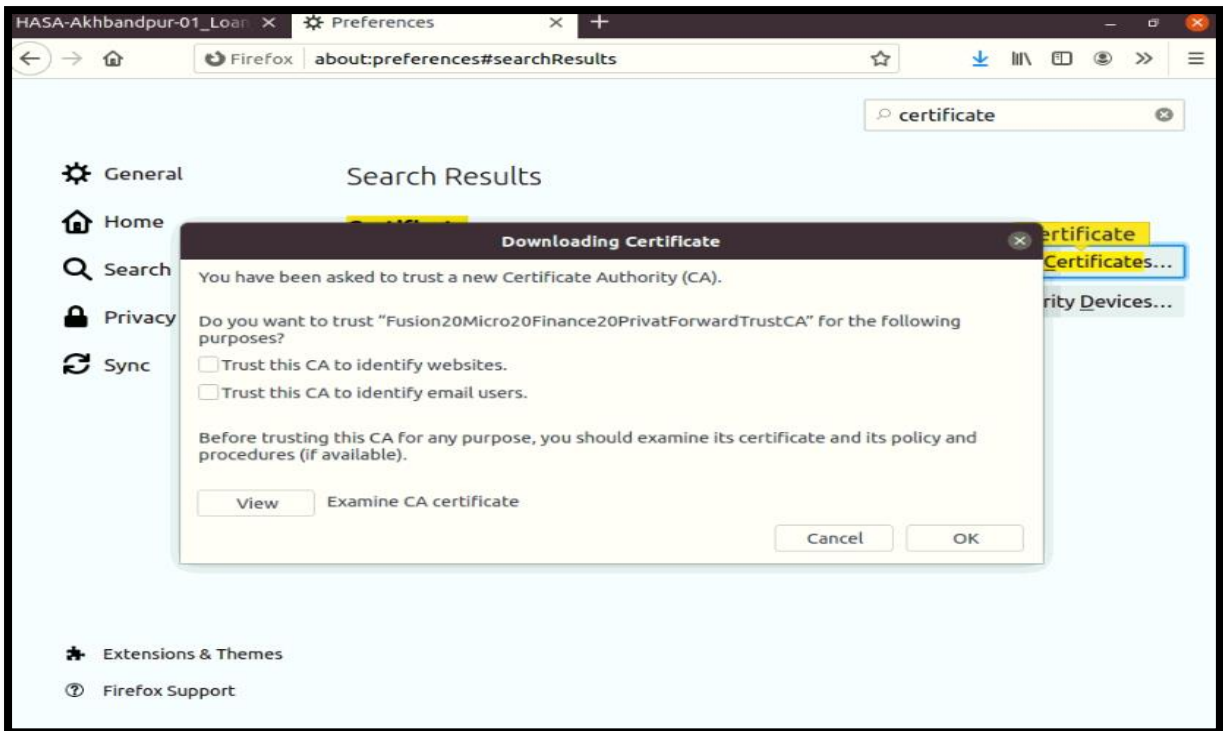
teamviewer_amd64.deb 100%[----->] 67.40M 451KB/s in 3m 10s

Processing triggers for mime-support (3.64ubuntu1) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...
Processing triggers for dbus (1.12.16-2ubuntu2.1) ...
Hit:1 http://in.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://dl.google.com/linux/chrome/deb stable InRelease
Hit:5 http://security.ubuntu.com/ubuntu focal-security InRelease
Get:6 https://linux.teamviewer.com/deb stable InRelease [11.9 kB]
Get:7 https://linux.teamviewer.com/deb stable/main amd64 Packages [14.2 kB]
Get:8 https://linux.teamviewer.com/deb stable/main i386 Packages [14.0 kB]
Fetched 40.1 kB in 3s (15.5 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
467 packages can be upgraded. Run 'apt list --upgradable' to see them.
Reading package lists... Done
Building dependency tree
Reading state information... Done
0 upgraded, 0 newly installed, 0 to remove and 467 not upgraded.
Sourcing file '/etc/default/grub'
Sourcing file '/etc/default/grub.d/init-select.cfg'
Generating grub configuration file ...
Found linux image: /boot/vmlinuz-5.8.0-43-generic
Found initrd image: /boot/initrd.img-5.8.0-43-generic
Adding boot menu entry for UEFI Firmware Settings
done
net.ipv6.conf.all.disable_ipv6 = 1
net.ipv6.conf.default.disable_ipv6 = 1
net.ipv6.conf.lo.disable_ipv6 = 1
net.ipv6.conf.all.disable_ipv6 = 1
net.ipv6.conf.default.disable_ipv6 = 1
net.ipv6.conf.eno1.disable_ipv6 = 1
net.ipv6.conf.enx56f0106.disable_ipv6 = 1
net.ipv6.conf.lo.disable_ipv6 = 1
fuston@FMPLUP0922WS01:~/Music/prisma$
```

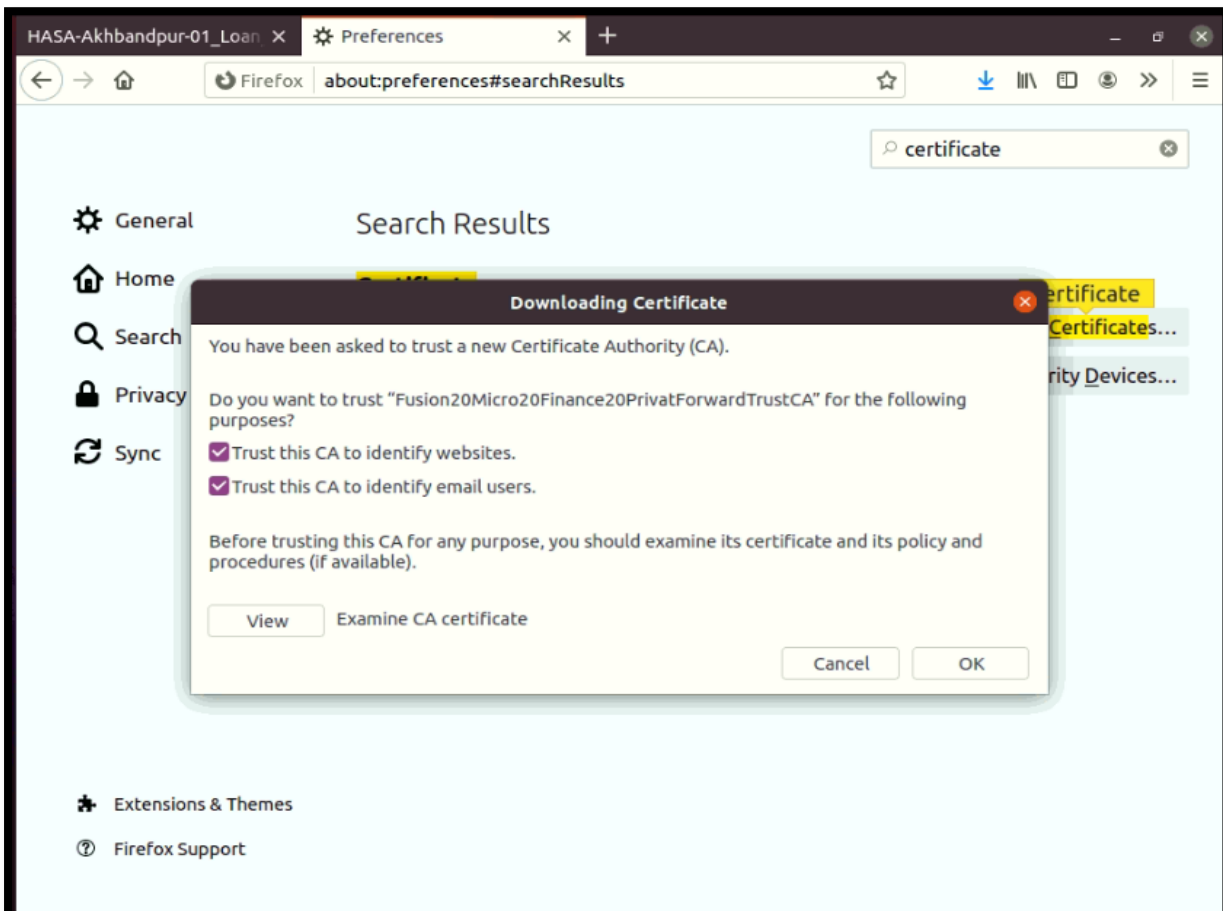
Step7: Import Certificate in Mozilla Firefox Google chrome and Thunderbird, Given below screenshot for your reference.







S



Step8: Finally install Globalprotect Debian file.

```
fusion@FMPLBRLT216:~/Music/prisma$ ls -lrth
total 20M
-rw-r--r-- 1 root root 31K Feb  6 12:32 'Connect to a GlobalProtect portal Installation Steps.docx'
-rw-r--r-- 1 root root 2.4M Feb  6 12:32 ClSetup_20200723_144156440.exe
-rw-r--r-- 1 root root 254K Feb  6 12:32 FusionWall.png
-rw-r--r-- 1 root root 9.1M Feb  6 12:32 GlobalProtect_UI_deb-6.0.4.1-28.deb
-rw-r--r-- 1 root root 1.4K Feb  6 12:32 GGL_ROOT_CA.crt
-rw-r--r-- 1 root root 834 Feb  6 12:32 SSL_Forward-Trust-CA-ECDSA.crt
-rw-r--r-- 1 root root 1.1K Feb  6 12:32 SSL_Forward-Trust-CA.crt
-rw-r--r-- 1 root root 2.4K Feb  6 12:32 'Root CA.p12'
-rw-r--r-- 1 root root 49 Feb  6 12:32 README.md
-rw-r--r-- 1 root root 862 Feb  6 12:32 Mint_Script.sh
-rw-r--r-- 1 root root 18K Feb  6 12:32 LMCLSetup_20191217_162733446.sh
-rw-r--r-- 1 root root 1.1K Feb  6 12:32 LICENSE
-rw-r--r-- 1 root root 7.2M Feb  6 12:32 GlobalProtect_deb-6.0.1.1-6.deb
-rw-r--r-- 1 root root 1.1M Feb  6 12:32 'Secure Internet gateway.pdf'
fusion@FMPLBRLT216:~/Music/prisma$ sudo dpkg -i GlobalProtect_UI_deb-6.0.4.1-28.deb
```

sudo dpkg -i GlobalProtect_UI_deb-6.0.4.1-28.deb

```
fusion@FMPLBRLT216:~/Music/prisma$ sudo dpkg -i GlobalProtect_UI_deb-6.0.4.1-28.deb
```

Step9: Connect Globalprotect with given credentials.

FQDN: fmpl.gpcloudservice.com

```
fusion@FMPLBRLT216:~/Music/prisma$ sudo dpkg -i GlobalProtect_UI_deb-6.0.4.1-28.deb
[sudo] password for fusion:
(Reading database ... 197154 files and directories currently installed.)
Preparing to unpack GlobalProtect_UI_deb-6.0.4.1-28.deb ...
Start installing gp...
Unpacking globalprotect (6.0.4-28) ...
Setting up globalprotect (6.0.4-28) ...
Enable gp service...
Starting gp service...
Set default browser, errors other than gp.desktop can be ignored ...
enable ping
net.ipv4.ping_group_range = 0 0
create symlink for gp cli...
Starting gpa...
start GPA for sudo user fusion
start PanGGUI for sudo fusion
Processing triggers for hicolor-icon-theme (0.17-2) ...
StandardPaths: XDG_RUNTIME_DIR not set, defaulting to '/tmp/runtime-fusion'
Processing triggers for gnome-menus (3.36.0-1ubuntu1) ...
Processing triggers for desktop-file-utils (0.24-1ubuntu3) ...
Processing triggers for mime-support (3.64ubuntu1) ...
Processing triggers for man-db (2.9.1-1) ...
fusion@FMPLBRLT216:~/Music/prisma$
```

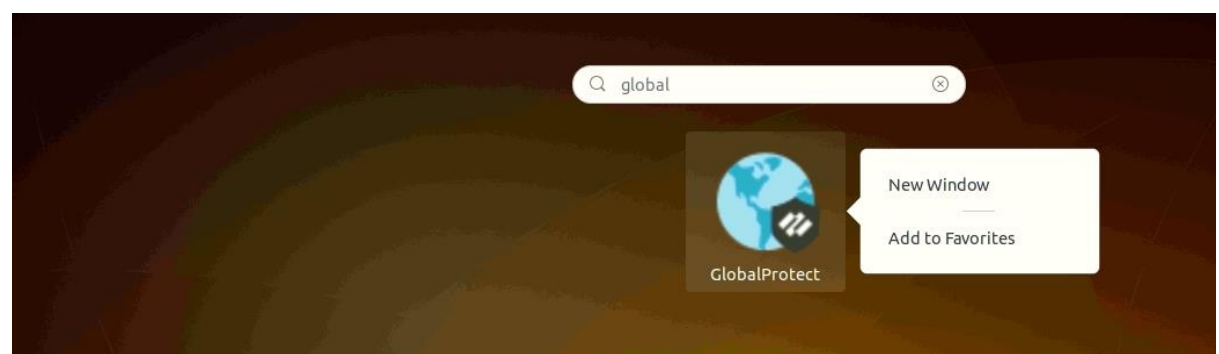


Welcome to GlobalProtect

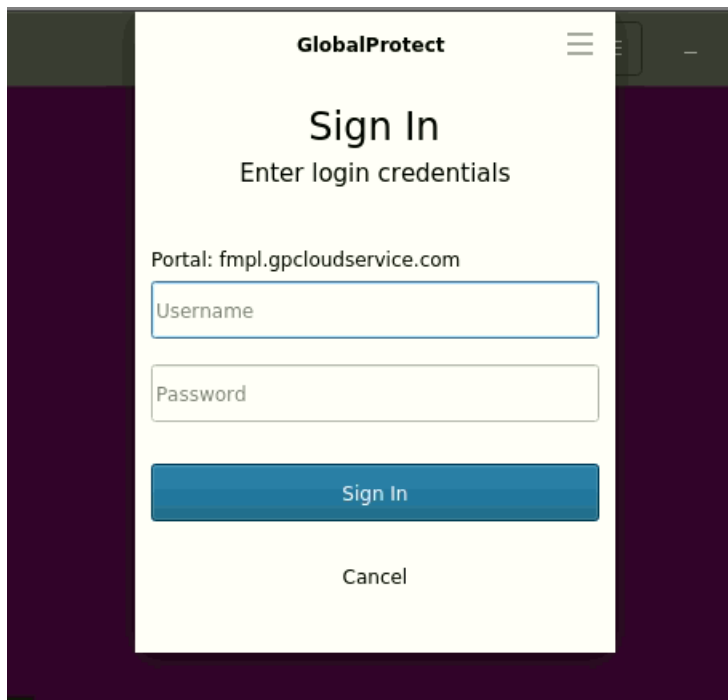
Please enter your portal address

Connect

Step 10 : Add to Task Manager



Step 11: Enter SIG LoginID and Password

A screenshot of a 'GlobalProtect' sign-in dialog box. The dialog has a light yellow background and is centered on a dark purple desktop background. At the top, it says 'GlobalProtect' with a hamburger menu icon to its right. Below that is the title 'Sign In' and the instruction 'Enter login credentials'. A text label 'Portal: fmpl.gpcloudservice.com' is positioned above a 'Username' input field. Below the username field is a 'Password' input field. At the bottom of the dialog are two buttons: a blue 'Sign In' button and a 'Cancel' button.

GlobalProtect

Sign In

Enter login credentials

Portal: fmpl.gpcloudservice.com

Username

Password

Sign In

Cancel

Note: Ubuntu 19 and above anydesk dependency remove using given below script.

```
sudo sed -i '7 s/^#//' /etc/gdm3/custom.conf
```