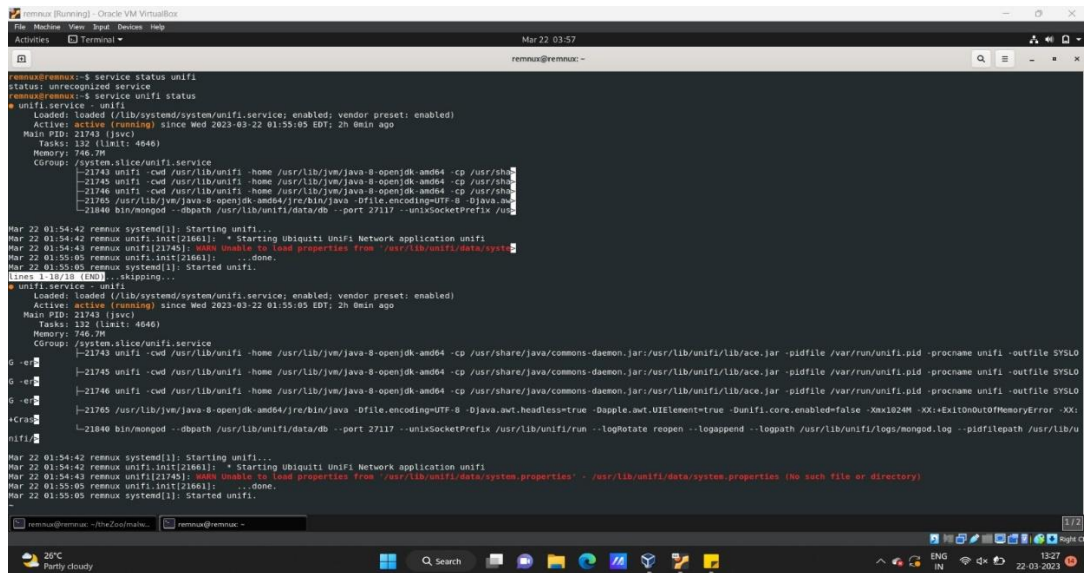


Unifi Controller:

I have downloaded the unifi controller and upgraded all the devices

The unifi network controller is a free software suite that allows you to set up, configure, manage and analyze your unifi network in a centralized manner.



```
remnux@remnux:~$ service status unifi
status: unrecognized service
remnux@remnux:~$ service unifi status
unifi.service - unifi
Loaded: loaded (/lib/systemd/system/unifi.service; enabled; vendor preset: enabled)
Active: active (running) since Wed 2023-03-22 01:55:05 EDT; 2h 0min ago
Main PID: 21743 (jvnc)
Tasks: 132 (limit: 4046)
Memory: 746.7M
CGroup: /system.slice/unifi.service
├─21743 unifi -csw /usr/lib/unifi -home /usr/lib/jvm/java-8-openjdk-amd64 -cp /usr/share
├─21745 unifi -csw /usr/lib/unifi -home /usr/lib/jvm/java-8-openjdk-amd64 -cp /usr/share
├─21746 unifi -csw /usr/lib/unifi -home /usr/lib/jvm/java-8-openjdk-amd64 -cp /usr/share
├─21745 /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/java -Dfile.encoding=UTF-8 -Djava.net
└─21840 bin/mongod --dbpath /usr/lib/unifi/data/db --port 27117 --unifiSocketPrefix /usr

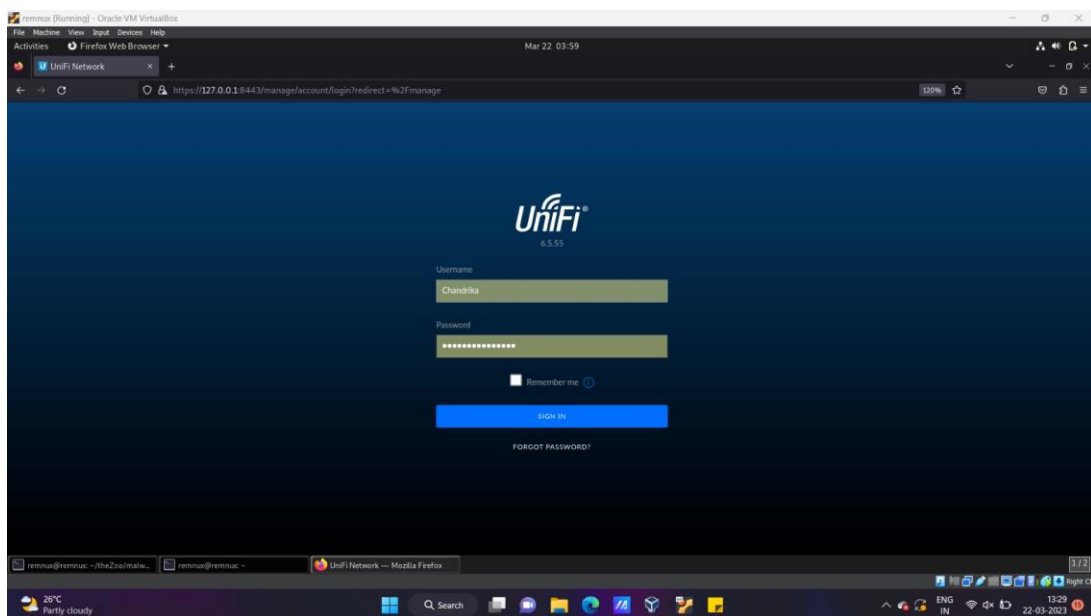
Mar 22 01:54:42 remnux systemd[1]: Starting unifi...
Mar 22 01:54:42 remnux unifi: Starting Ubiquiti Unifi Network application unifi
Mar 22 01:54:43 remnux unifi[21745]: java: unable to load properties from /usr/lib/unifi/data/system
Mar 22 01:55:05 remnux systemd[1]: ...done.
Mar 22 01:55:05 remnux systemd[1]: Started unifi.
remnux@remnux:~$ systemctl status unifi
unifi.service - unifi
Loaded: loaded (/lib/systemd/system/unifi.service; enabled; vendor preset: enabled)
Active: active (running) since Wed 2023-03-22 01:55:05 EDT; 2h 0min ago
Main PID: 21743 (jvnc)
Tasks: 132 (limit: 4046)
Memory: 746.7M
CGroup: /system.slice/unifi.service
├─21743 unifi -csw /usr/lib/unifi -home /usr/lib/jvm/java-8-openjdk-amd64 -cp /usr/share/java/commons-daemon.jar:/usr/lib/unifi/lib/ace.jar -pidfile /var/run/unifi.pid -procname unifi -outfile SYSLOG
├─21745 unifi -csw /usr/lib/unifi -home /usr/lib/jvm/java-8-openjdk-amd64 -cp /usr/share/java/commons-daemon.jar:/usr/lib/unifi/lib/ace.jar -pidfile /var/run/unifi.pid -procname unifi -outfile SYSLOG
├─21746 unifi -csw /usr/lib/unifi -home /usr/lib/jvm/java-8-openjdk-amd64 -cp /usr/share/java/commons-daemon.jar:/usr/lib/unifi/lib/ace.jar -pidfile /var/run/unifi.pid -procname unifi -outfile SYSLOG
├─21745 /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/java -Dfile.encoding=UTF-8 -Djava.awt.headless=true -Dapple.awt.UIElement=true -Dunifi.core.enabled=false -Xmx1024M -XX:ExitOnOutOfMemoryError -XX:
└─21840 bin/mongod --dbpath /usr/lib/unifi/data/db --port 27117 --unifiSocketPrefix /usr/lib/unifi/run --logrotate reopen --logappend --logpath /usr/lib/unifi/logs/mongod.log --pidfilepath /usr/lib/u

Mar 22 01:54:42 remnux systemd[1]: Starting unifi...
Mar 22 01:54:42 remnux unifi: Starting Ubiquiti Unifi Network application unifi
Mar 22 01:54:43 remnux unifi[21745]: java: unable to load properties from /usr/lib/unifi/data/system.properties' - /usr/lib/unifi/data/system.properties (No such file or directory)
Mar 22 01:55:05 remnux unifi: ...done.
Mar 22 01:55:05 remnux systemd[1]: Started unifi.
```

Pic-3.0

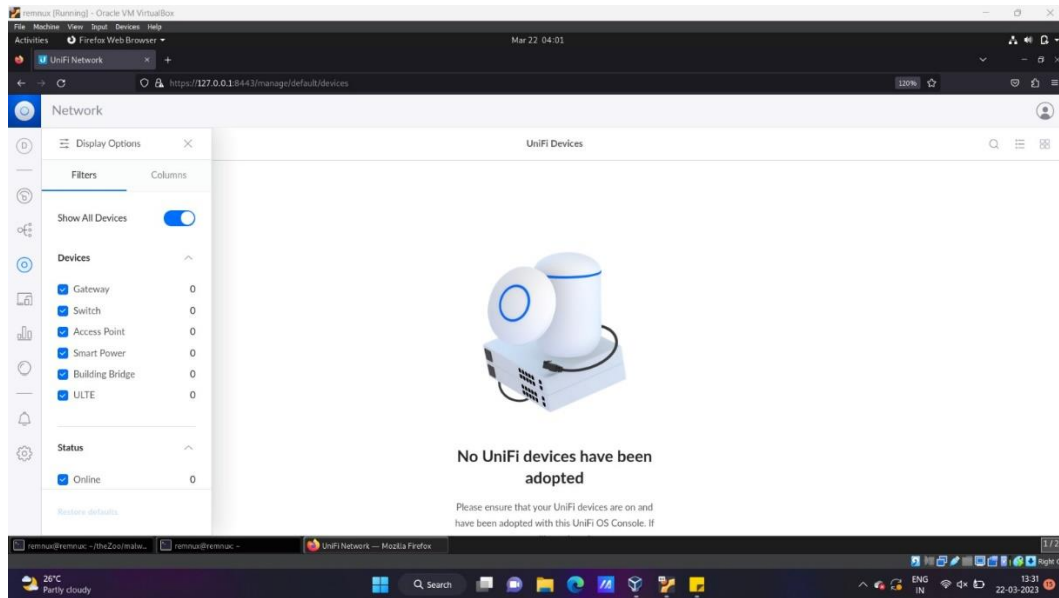
The above screen shot(3.1) is about how to start the unifi network controller.

Pic-3.1



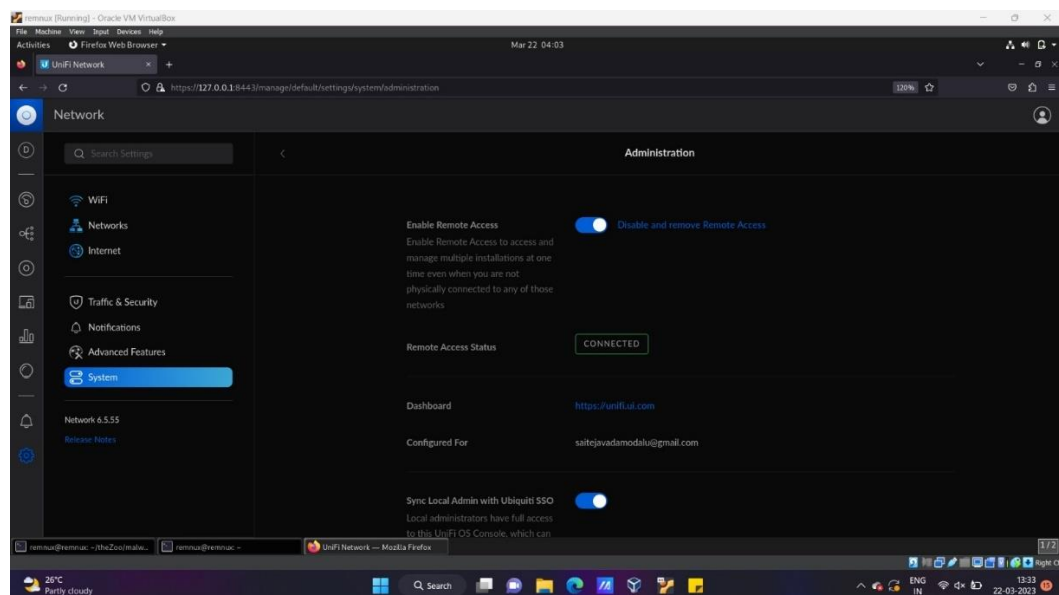
The above picture – 3.1 shows the login page of the unifi controller. In order to login we have to create an account in unifi controller. In order to open this we have to use the url “https://127.0.0.1:8443/manage/account/login?redirect=%2Fmanage”

Pic-3.2



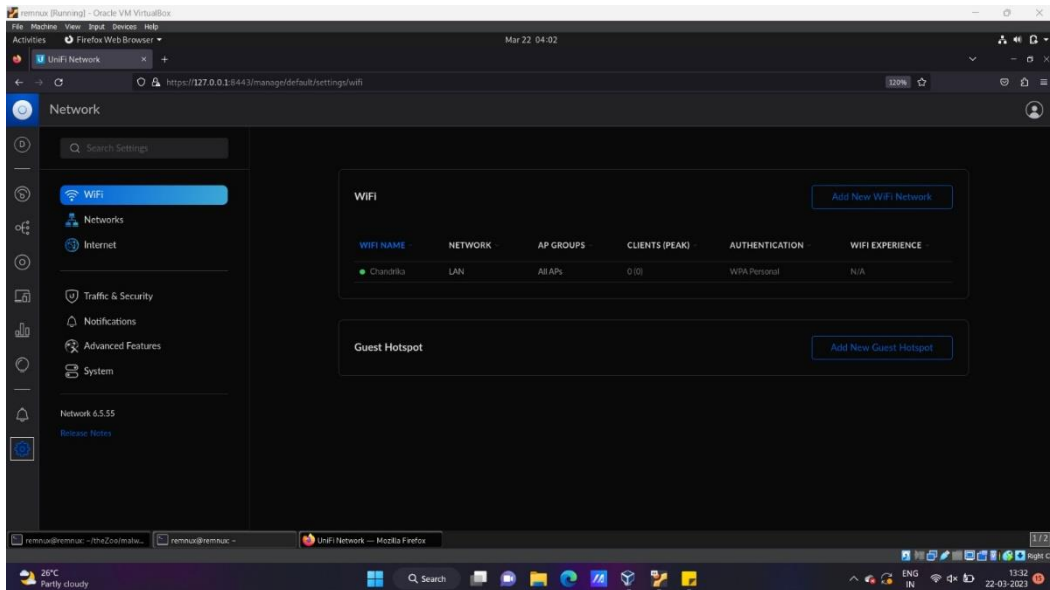
The above picture - 3.2 shows the available unifi devices in the unifi network. As I have no unifi devices which are adopted, I took the available devices.

Pic-3.3



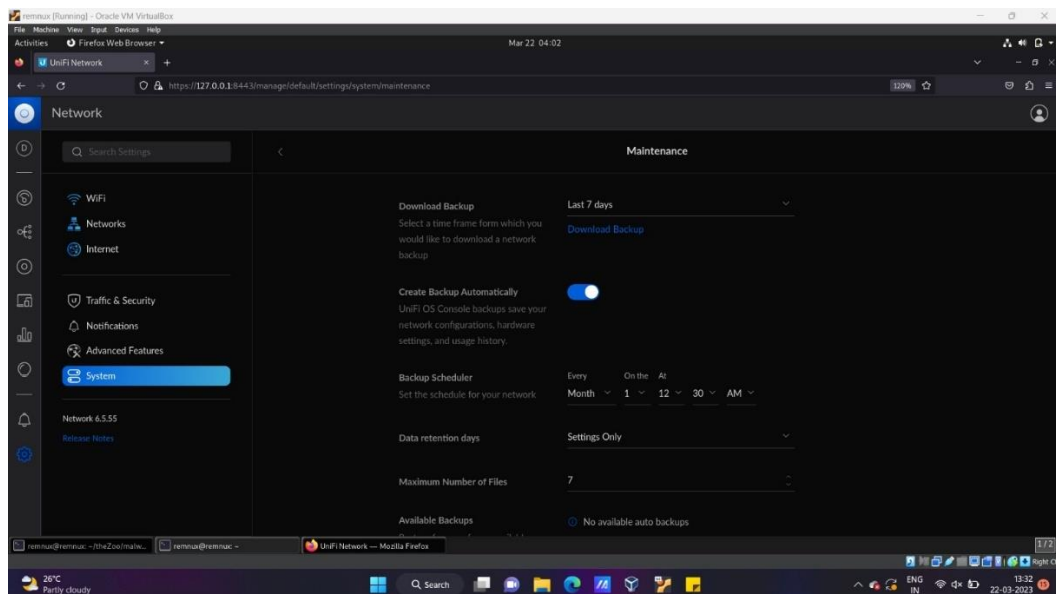
The above picture - 3.3 shows the remote access status as connected. Remote access is to access and manage multiple installations at one time even when you are not physically connected to any networks.

pic-3.4



The above picture 3-4 shows that the user “Chandrika” is connected to which type of network.

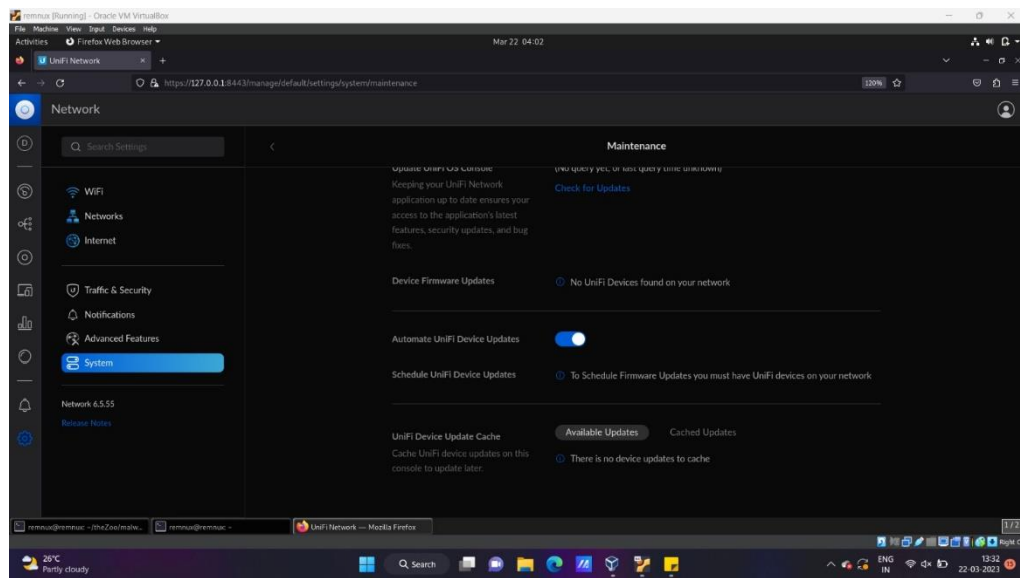
Pic-3.5



The above picture-3.5 shows how to create backup automatically. Unifi os console backs save your network configuration hardware settings and usage history. We can also download the backup.

To do backup automatically go to settings -> system -> create backup automatically -> enable

Pic-3.6



The main task of this part of the project is to make the devices automatically upgrade or update. As there are no unifi devices have been adopted, I have used the available devices in the unifi network controller.

The above picture-3.5 shows how to enable the automatic updates for the unifi devices. To enable the option we have to go to settings -> system -> automatic unifi devices update -> enable.