Uninstall:

- sudo rm /etc/systemd/system/zookeeper.service
- sudo rm /etc/systemd/system/kafka.servic
- sudo apt remove zookeeperd
- sudo rm -rf /usr/local/kafka

```
File Edit View Search Terminal Help

Welcome to your py workstation

9240

you have gotta run as fast as you can Alice!

ubuntugip-172-31-34-95:-$ sudo rm /etc/systemd/system/zookeeper.service

ubuntugip-172-31-34-95:-$ sudo arm /etc/systemd/system/kafka.service

ubuntugip-172-31-34-95:-$ sudo apt remove zookeeperd

Reading package lists... Done

Reading state information... Done

The following packages were automatically installed and are no longer required:

apache2-bin apache2-data apache2-utils libapr1 libaprutil1

libaprutil1-dbd-sqlite3 libaprutil1-ldap libjline-java libxerces2-java

libzonkeeper-java zookeeper

Use 'sudo apt autoremove' to remove them.

The following packages will be REMOVED:

zookeeperd

0 upgraded, 0 newly installed, 1 to remove and 493 not upgraded.

After this operation, 42.0 kB disk space will be freed.

Do you want to continue? [Y/n] y

(Reading database ... 310442 files and directories currently installed.)

Removing zookeeperd (3.4.13-6ubuntu4) ...

ubuntugip-172-31-34-95:-$ cd usr/local

bash: cd: usr/local: No such file or directory

ubuntugip-172-31-34-95:-$ cd /usr/local

sudo rm /etc/systemd/system/zookeeper.service

rm: cannot remove '/etc/systemd/system/zookeeper.service': No such file or directory

rm: cannot remove '/etc/systemd/system/zookeeper.service': No such file or directory

rm: cannot remove '/etc/systemd/system/kafka.service': No such file or directory
```

```
ubuntu@ip-172-31-34-95:-$ ls
Day1-linux PycharmProjects if.sh
Day1-lest Templates if.sh
Day4.1 abc.sh kafka_2.13-3.5.1.tgz
Desktop app1 python
Documents aw sample.txt
Downloads
'Instructions for Applications' eclipse eclipse workspace file1
Public file2
Ubuntu@ip-172-31-34-95:-$ ls
Day1-linux Documents
Public app1 file1
Day1-linux Documents
Da
```

Installation of kafka and zookeeper:

* sudo apt install zookeeperd===to install zookeeper

```
File Edit View Search Terminal Help

ubuntu@lp-172-31-34-95:-$ sudo apt install zookeeperd
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
    apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
    zookeeperd

8 upgraded, 1 newly installed, 0 to remove and 493 not upgraded.
Need to get 8288 B of archives.
After this operation, 42.0 kB of additional disk space will be used.
Get:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/untverse amd64 zookeeperd all 3.4.13-6ubuntu4 [8288 B]
Fetched 8288 B in 0s (19.8 kB/s)
Selecting previously unselected package zookeeperd.
(Reading database ... 310440 files and directories currently installed.)
Preparing to unpack .../zookeeperd_3.4.13-6ubuntu4] ...
Setting up zookeeperd (3.4.13-6ubuntu4) ...
Setting up zookeeperd (3.4.13-6ubuntu4) ...
Scanning processes...
Scanning linux images...
Running kernel seems to be up-to-date.
No services need to be restarted.
No user sessions are running outdated binaries.
No UM guests are running outdated hypervisor (gemu) binaries on this host.
```

2. sudo nano /etc/systemd/system/zookeeper.service

[Unit]

Requires=network.target remote-fs.target

After=network.target remote-fs.target

[Service]

Type=simple

ExecStart=/home/kafka/kafka/bin/zookeeper-server-start.sh/home/kafka/kafka/config/zookeeper.properties

ExecStop=/home/kafka/kafka/bin/zookeeper-server-stop.sh

Restart=on-abnormal

[Install]

WantedBy=multi-user.target

sudo systemctl status zookeeper

telnet localhost 2181 (ruok)

No VM guests are running outdated hypervisor (qemu) binaries on this host.ubuntu@ip-172-31-34-95:~\$ sudo nano /etc/systemd/system/zookeeper.serviceubuntu@ip-172-31-34-95:~\$

```
File Edit View Search Terminal Help

GNU nano 6.2 /etc/systemd/system/zookeeper.service *

[Unit]
Requires=network.target remote-fs.target

After=network.target remote-fs.target
[Service]
Type=simple
ExecStart=/home/kafka/kafka/bin/zookeeper-server-start.sh /home/kafka/kafka/config/zookeeper.properties
ExecStop=/home/kafka/kafka/bin/zookeeper-server-stop.sh
Restart=on-abnormal
[Install]
WantedBy=multi-user.target
```

3. kafka

Wget https://archive.apache.org/dist/kafka/3.5.1/kafka 2.13-3.5.1.tgz

4. prepare kafka folder

tar -xvzf kafka_2.13-3.5.1.tgz

```
ubuntu@ip-172-31-34-95:~$ tar -xvzf kafka_2.13-3.5.1.tgz
kafka_2.13-3.5.1/
kafka_2.13-3.5.1/LICENSE
kafka_2.13-3.5.1/NOTICE
kafka_2.13-3.5.1/bin/
```

Move kafka folder to /usr/local

sudo mv kafka_2.13-3.5.1 /usr/local/kafka

```
### Desktop Public Desktop Python Forest Buntu@ip-172-31-34-95:-$

#### Desktop Public Desktop P
```

Nano .bashrc

sudo nano /etc/systemd/system/kafka.service

[Unit]

Requires=zookeeper.service

After=zookeeper.service

[Service]

Type=simple

Type=simple

Environment="JAVA_HOME=/usr/lib/jvm/java-11-openjdk-amd64"

ExecStart=/usr/local/kafka/bin/kafka-server-start.sh /usr/local/kafka/config/server.properties

ExecStop=/usr/local/kafka/bin/kafka-server-stop.sh

Restart=on-abnormal

[Install]

WantedBy=multi-user.target

```
File Edit View Search Terminal Help

GNU nano 6.2

[Unit]

Requires=zookeeper.service

After=zookeeper.service
[Service]

Type=simple

Type=simple

Environment="JAVA_HOME=/usr/lib/jvm/java-11-openjdk-amd64"

ExecStart=/usr/local/kafka/bin/kafka-server-start.sh /usr/local/kafka/config/server.properties

ExecStop=/usr/local/kafka/bin/kafka-server-stop.sh

Restart=on-abnormal

[Install]
```

cd /usr/local/kafka/bin

```
ubuntu@ip-172-31-34-95:~$ cd /usr/local/kafka/bin
ubuntu@ip-172-31-34-95:/usr/local/kafka/bin$ cd
*********
ubuntu@ip-172-31-34-95:~$ sudo nano /etc/systemd/system/kafka.service
ubuntu@ip-172-31-34-95:~$ cd /usr/local/kafka/bin
**********
*********
ıbuntu@ip-172-31-34-95:/usr/local/kafka/bin$ nano kafk
ıbuntu@ip-172-31-34-95:/usr/local/kafka/bin$ exec bash
                                           local/kafka/bin$ nano kafka-server-start.sh
Velcome to your py workstation
240
you have gotta run as fast as you can Alice!
************
***********
   Sep 28 06:34:56 ip-172-31-34-95 systemd[1]: Starting LSB: centralized coordination service...
Sep 28 06:34:56 ip-172-31-34-95 systemd[1]: Started LSB: centralized coordination service.
ubuntu@ip-172-31-34-95:/usr/local/kafka/bin$ sudo systemctl start kafka
ubuntu@ip-172-31-34-95:/usr/local/kafka/bin$ sudo systemctl status kafka
  ************
 nep 20 07.20.10 tp-172-31-34-95 karka-server-start.sn[9333]. [2023-09728 07.20.10,071] INFO [unumphetauatamamager broker10=0] Finished
buntugip-172-31-34-95:/usr/local/karka/bins bin/karka-topics.sh --create --bootstrap-server localhost:9092 --replication-factor 1 --pa
titions 1 --topic nishantnw
asah: bin/karka-topics.sh: No such file or directory
buntugip-172-31-34-95:/usr/local/karka/bins cd .
buntugip-172-31-34-95:/usr/local/karka/bins cd .
 puntugip-172-31-34-95;/usr/tocat/kafka/bins cd ..

ons 1 --topic nishantnw
reated topic nishantnw.

Duntugip-172-31-34-95:/usr/local/kafka$ bin/kafka-topics.sh --create --bootstrap-server localhost:90s

consumer offsets

runalnw
stwest
shantnw
```

after these commands we have to fire up commands for topic:

Create a topic

- bin/kafka-topics.sh --create --bootstrap-server localhost:9092 --replication-factor 1 -partitions 1 --topic ktf
- List available topics
 bin/kafka-topics.sh --list --bootstrap-server localhost:9092

Start production of messages
 bin/kafka-console-producer.sh --broker-list localhost:9092 --topic ktf

After opeining new terminal:

Start consumer for collection (This has to be done in separate terminal)

* bin/kafka-console-consumer.sh --bootstrap-server localhost:9092 --topic ktf --from-beginning

