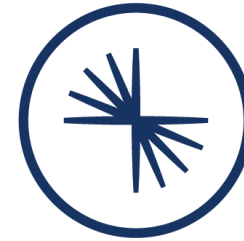


# installation & setup

## Virtualbox VM

- regular user: kafkauser / kafkauser
- root user: root / kafkaroot
- software:
  - java 11
  - confluent platform
  - rsync
  - python
  - mysql
    - user: root / kafkaroot
- port forwarding:
  - 2222 - SSH
  - 8081 - Schema Registry
  - 8082 - Kafka REST API
  - 8083 - Connect REST API
  - 9021 - Control Center
  - 9092 - Kafka Broker
- connections:
  - SSH - `ssh kafkauser@127.0.0.1 -p 2222 (password: kafkauser)`
  - RSYNC - `rsync --rsh='ssh -p2222' test.py kafkauser@127.0.0.1:/home/kafkauser (password: kafkauser)`



CONFLUENT

# installation & setup

## Local machine

- java client
  - gradle
  - java 11
- python client
  - C client *librdkafka*: <https://docs.confluent.io/3.1.1/installation.html#c-c>
  - python client: `pip install confluent-kafka`

## Common SSH commands

- start/stop kafka services
  - `confluent local services start / stop`
- services status
  - `confluent local services status`
- start/stop a specific service
  - `confluent local services <service-name> start/stop`
- stop and cleanup installation
  - `confluent local destroy`

## Browser access

- Control Center : `http://localhost:9021`