Linux资源占用低，更稳定，适合开发

远程连接，最小化VMware

# 指令：

Ls：-a -l -h

Cd/Pwd

Mkdir/rm -rf

Cp -riv ./../~

Mv

Cat/less/head/tail/

Chmod

Ps/sudo kill -9 45850(PID1 PID2)

Top

Df -h/du -sh

Free -h

Uptime

ping google.com

ip/ss -tuln

sudo passwd username

useradd/groupadd

make

conda activate ximualpha

source /usr/lib/openfoam/openfoam2312/etc/bashrc

## Docker

Ps (show)

Start

attach

## OpenFOAM

1.on server cp:

cp -r usr/lib/openfoam/openfoam2312/tutorials/incompressible/pisoFoam/laminar/porousBlockage /data/sda/lichenshuo/openfoam/porousBlockage

windows mingw cp:

cp -r ~/openfoam/openfoam-v2406/tutorials/incompressible/pisoFoam/laminar/porousBlockage ~/openfoam

2.blockMesh

3.topoSet

4.pisoFoam

touch T\_case.foam/T\_result.foam(show in paraview)

# 进度：

虚拟机连上网了

连上SSH了

# 笔记：

1.权限chmod

drwxrwxr-x 9 admin2 admin2 4.0K 8月 14 16:34 .

2.ps进程

admin2@admin2-virtual-machine:~/MetaOpenFOAM$ ps -ef

UID PID PPID C STIME TTY TIME CMD

3.top资源

admin2@admin2-virtual-machine:~/MetaOpenFOAM$ top

top - 16:44:23 up 10:06, 2 users, load average: 0.11, 0.14, 0.12

Tasks: 293 total, 1 running, 291 sleeping, 1 stopped, 0 zombie

%Cpu(s): 0.0 us, 0.2 sy, 0.0 ni, 99.8 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st

MiB Mem : 3870.7 total, 351.6 free, 1034.7 used, 2484.3 buff/cache

MiB Swap: 3898.0 total, 3897.2 free, 0.8 used. 2516.6 avail Mem

PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND

11929 systemd+ 20 0 14832 6784 6016 S 0.7 0.2 0:41.59 systemd-oomd

4.ip

admin2@admin2-virtual-machine:~$ ip addr

（1） lo: <LOOPBACK,UP,LOWER\_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000

link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00

inet 127.0.0.1/8 scope host lo

valid\_lft forever preferred\_lft forever

inet6 ::1/128 scope host

valid\_lft forever preferred\_lft forever

（2） ens33: <BROADCAST,MULTICAST,UP,LOWER\_UP> mtu 1500 qdisc fq\_codel state UP group default qlen 1000

link/ether 00:0c:29:82:39:c7 brd ff:ff:ff:ff:ff:ff

altname enp2s1

inet 192.168.92.129/24 brd 192.168.92.255 scope global dynamic noprefixroute ens33

valid\_lft 1099sec preferred\_lft 1099sec

inet6 fe80::f7c0:33b3:1e6a:c84e/64 scope link noprefixroute

valid\_lft forever preferred\_lft forever

admin2@admin2-virtual-machine:~$ ip route

default via 192.168.92.2 dev ens33 proto dhcp metric 100

169.254.0.0/16 dev ens33 scope link metric 1000

192.168.92.0/24 dev ens33 proto kernel scope link src 192.168.92.129 metric 100

5.网络问题:curl: (6) Could not resolve host: gitee.com，DNS配置

**1. 检查网络连接**

ping 8.8.8.8

curl <https://www.google.com>

**2. 检查 DNS 配置**

cat /etc/resolv.conf

sudo nano /etc/resolv.conf

nameserver 8.8.8.8

**3.启用ip端口**

sudo ip link set ens33 up

sudo dhclient ens33

ip addr show

ip route

ping 8.8.8.8

sudo systemctl restart NetworkManager

**4.连接SSH**

sudo service ssh restart

6.conda环境

conda activate ximualpha

7.使用 python3

大多数现代 Linux 系统使用 python3 作为 Python 3 的默认命令，而 python 可能指向 Python 2 或不存在。尝试使用 python3：

sudo python3 setup.py install