

Ubuntu22.04-server 部署

Supernova

网测科技

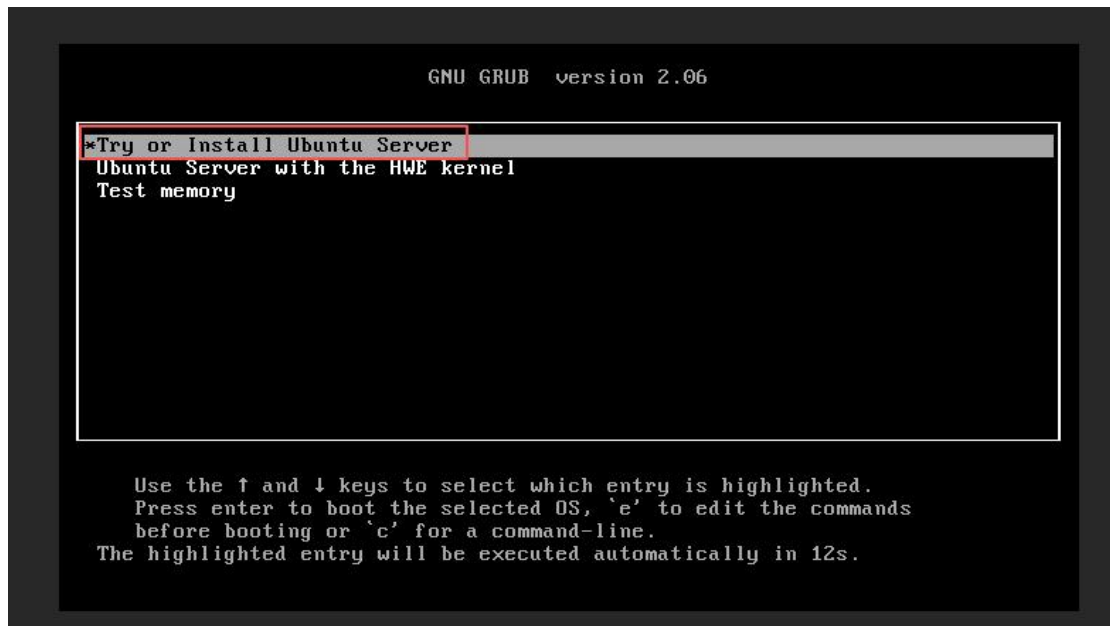
2025.09.11

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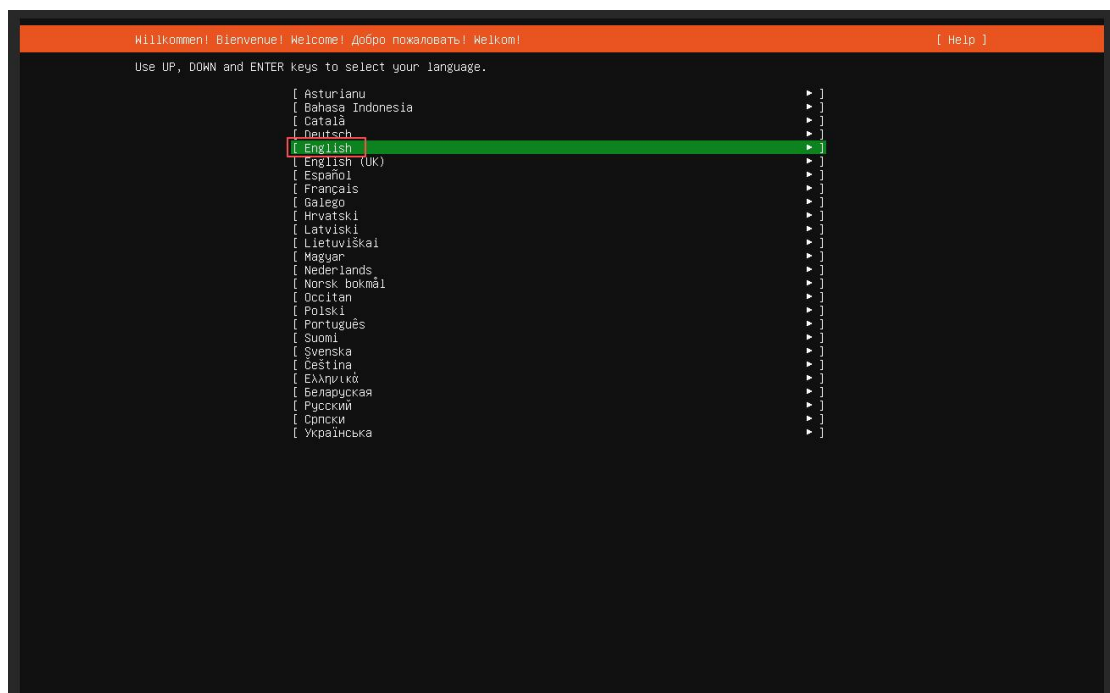
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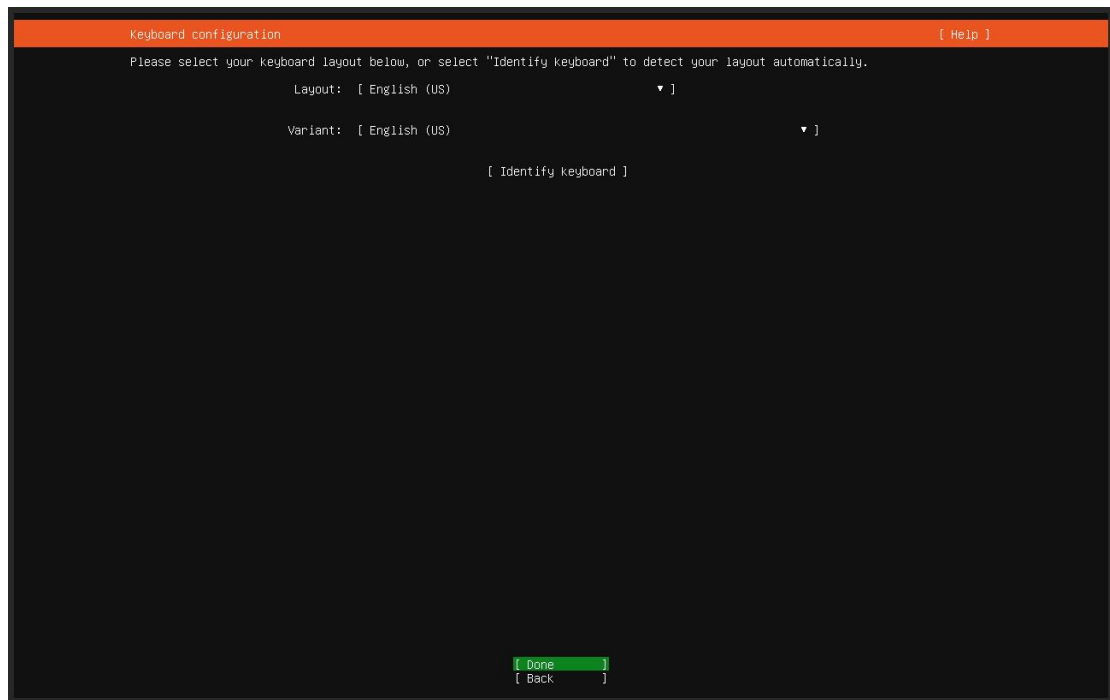
1. 安装系统

1.1. 部署系统

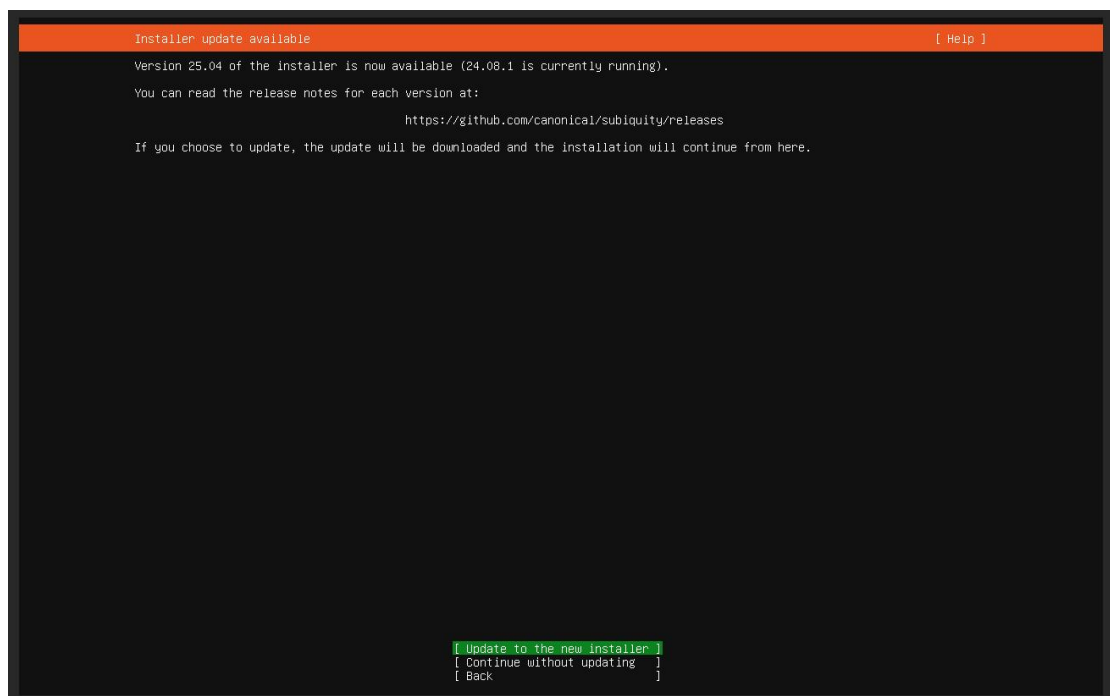


1.2. 选择语言

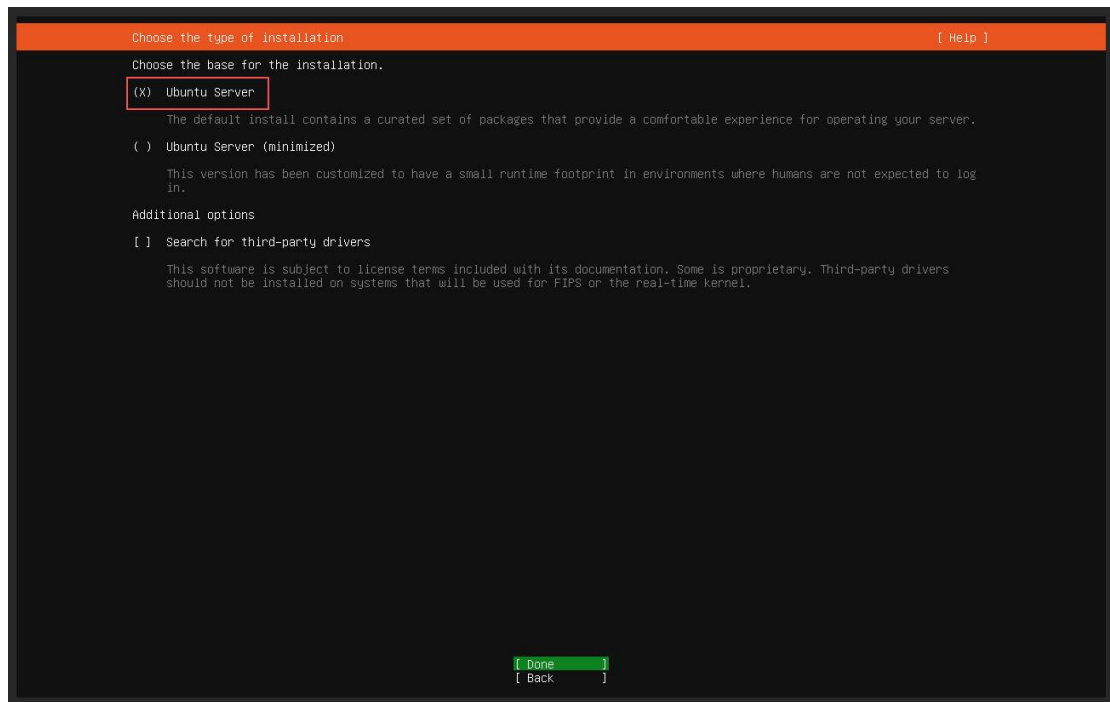




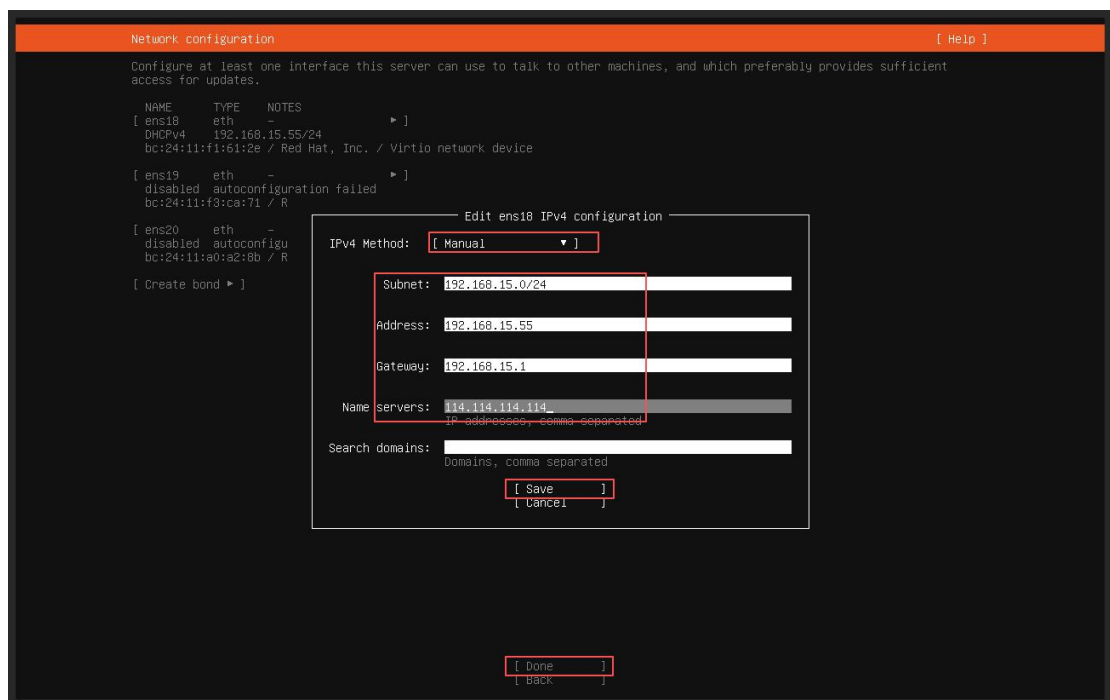
1.3. 更新安装程序



1.4. 选择默认版本安装



1.5. 修改网络配置



Proxy configuration

[Help]

If this system requires a proxy to connect to the internet, enter its details here.

Proxy address:

If you need to use a HTTP proxy to access the outside world, enter the proxy information here. Otherwise, leave this blank.

The proxy information should be given in the standard form of "http://[user][:pass]@host[:port]/".

Done

Back

Ubuntu archive mirror configuration

[Help]

If you use an alternative mirror for Ubuntu, enter its details here.

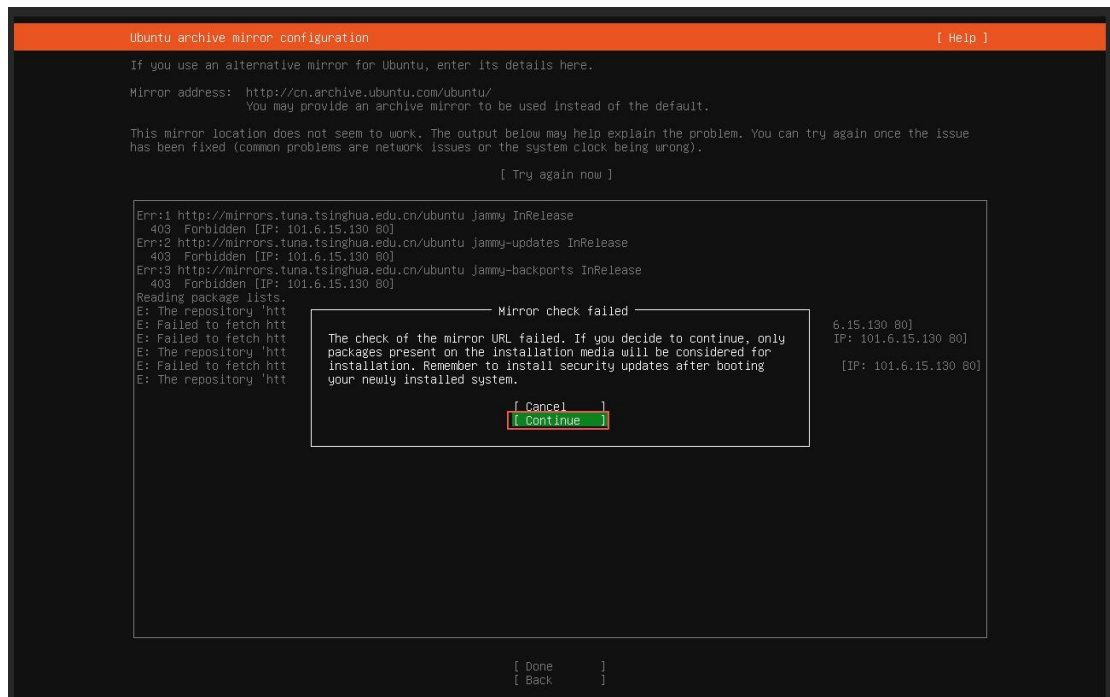
Mirror address:

You may provide an archive mirror to be used instead of the default.

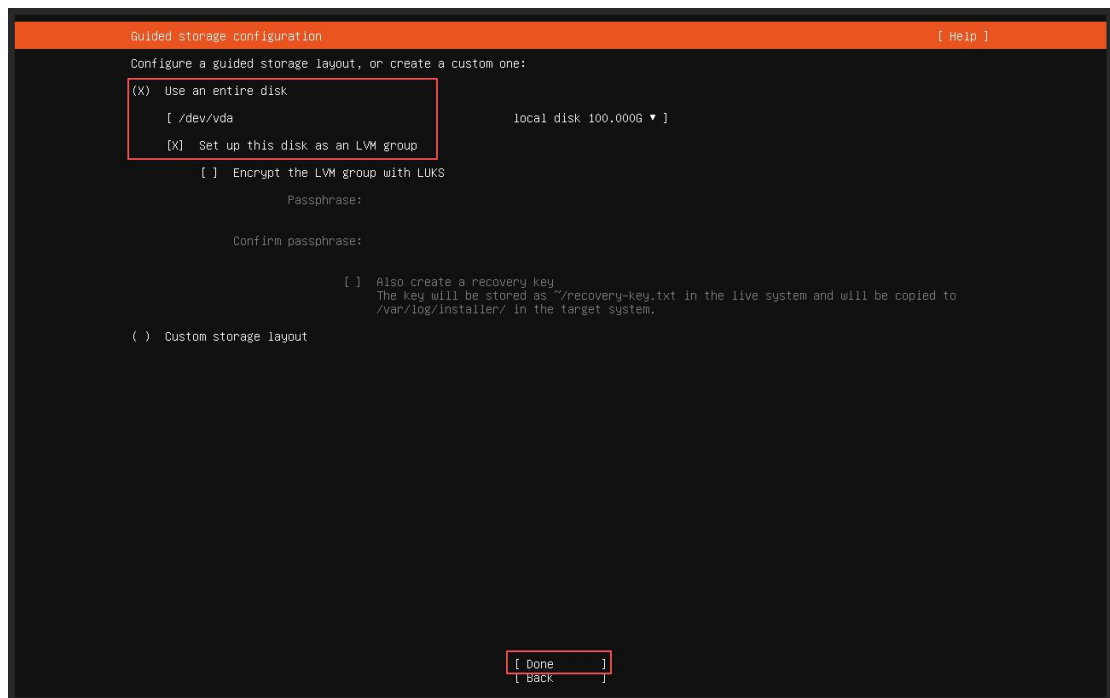
The mirror location is being tested. |

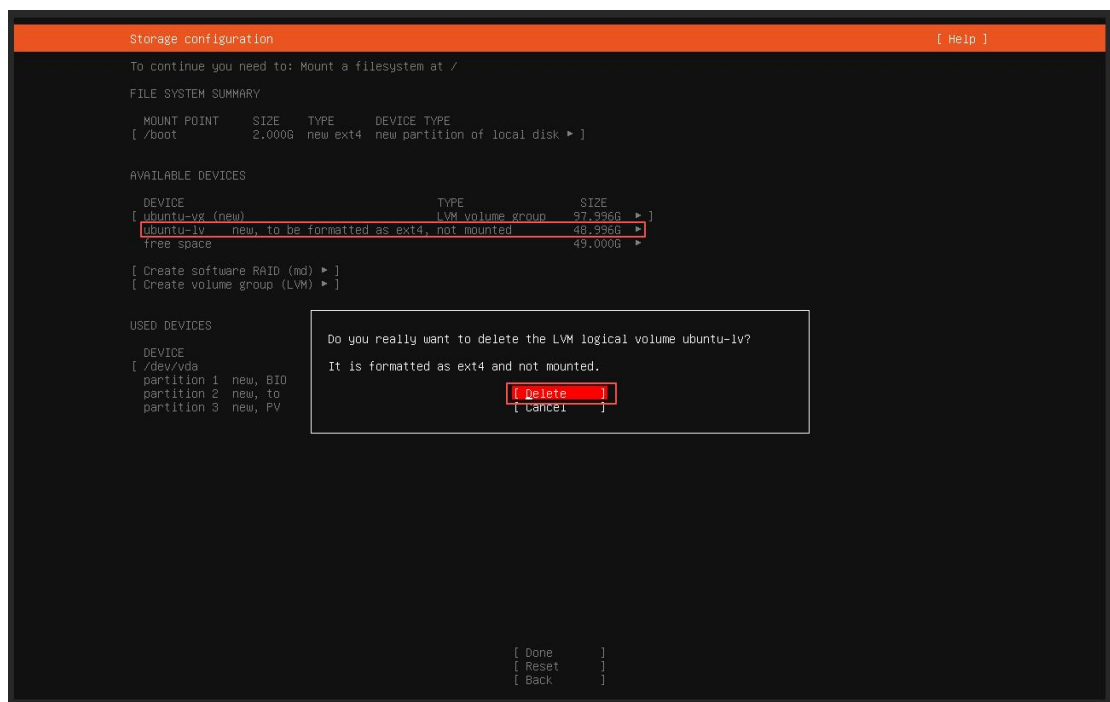
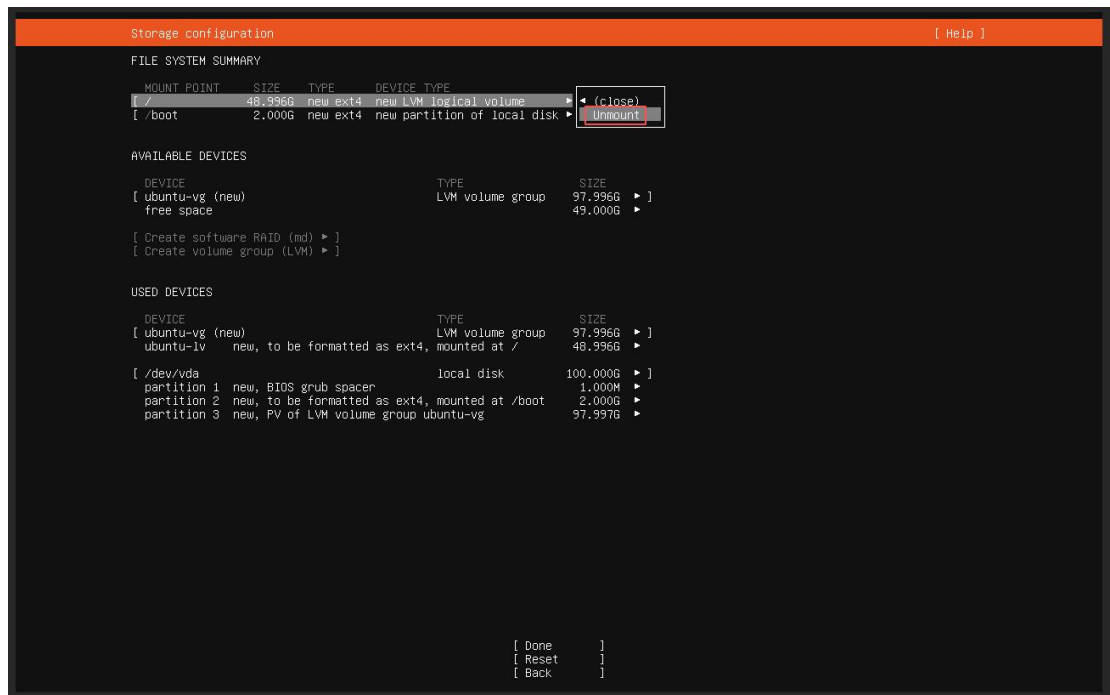
Done

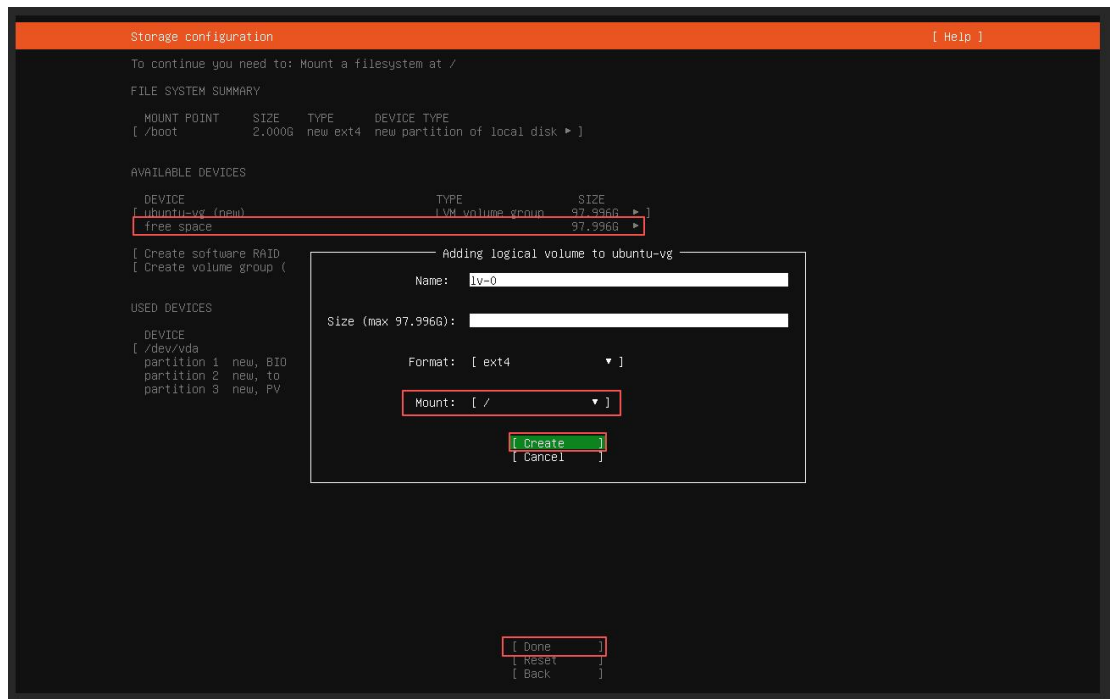
Back



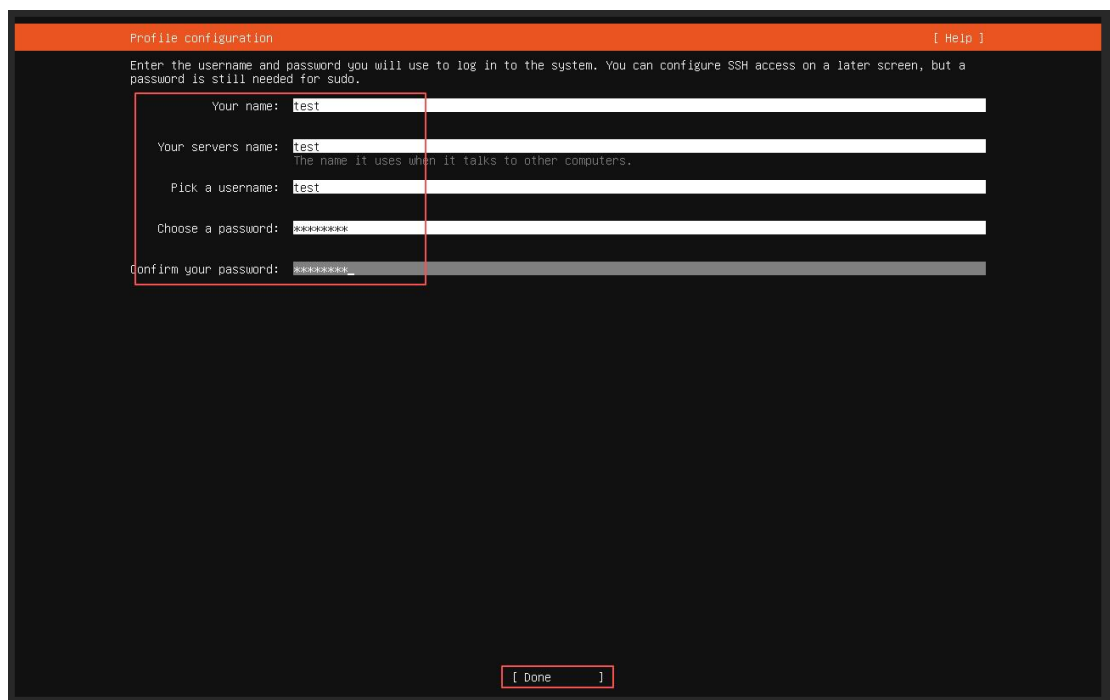
1.6. 配置存储



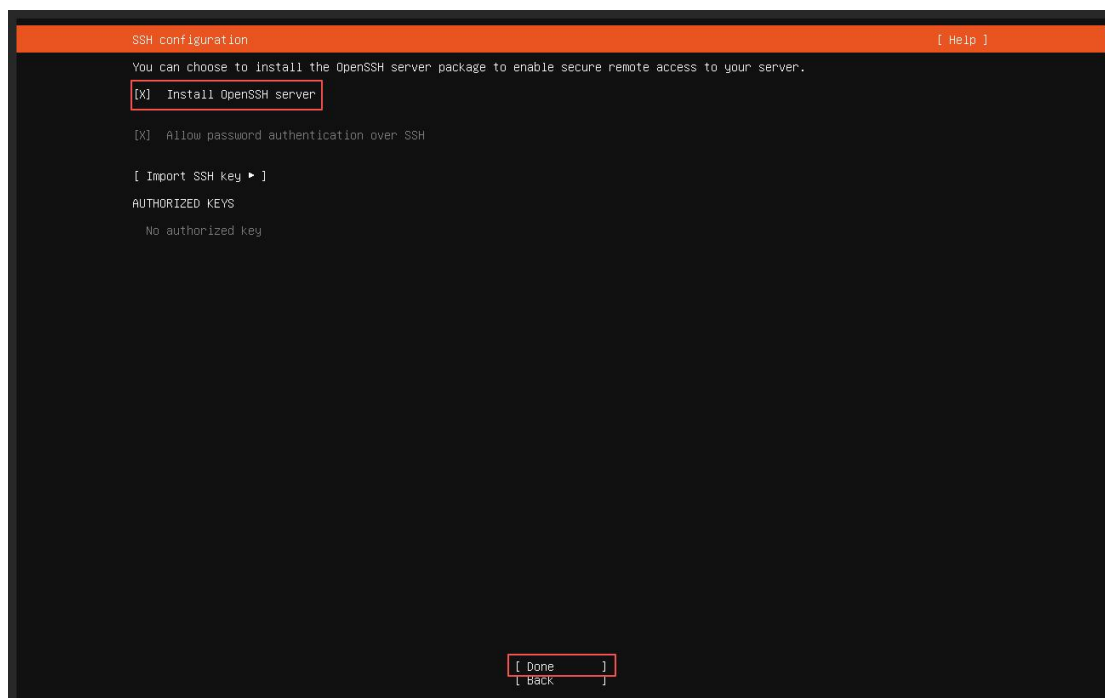
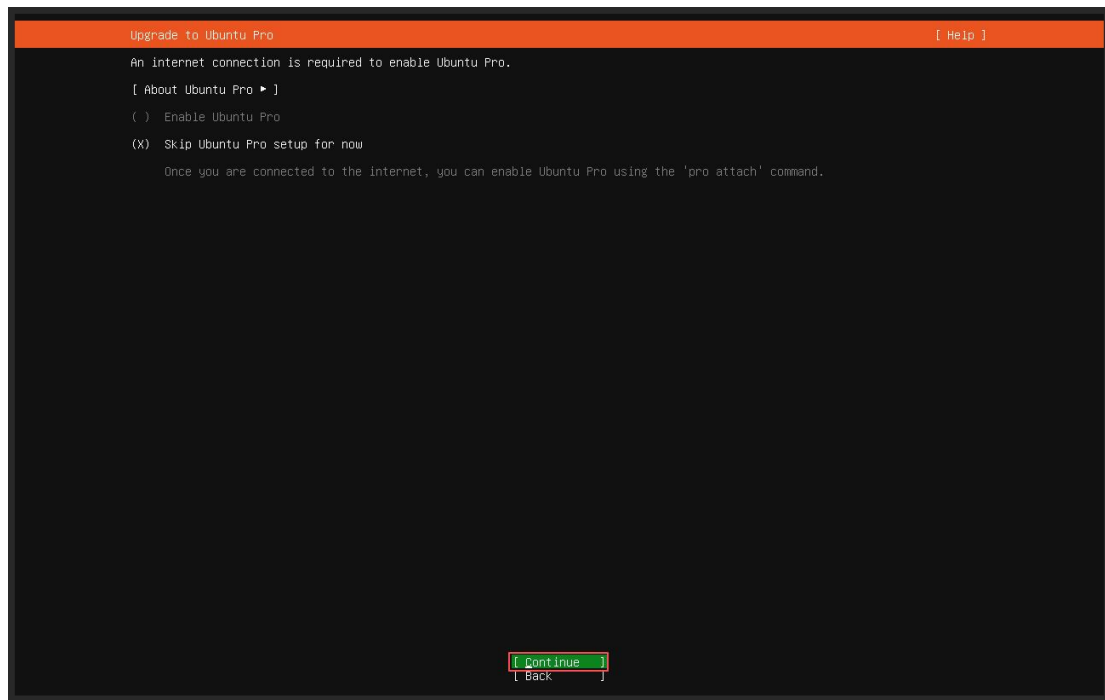


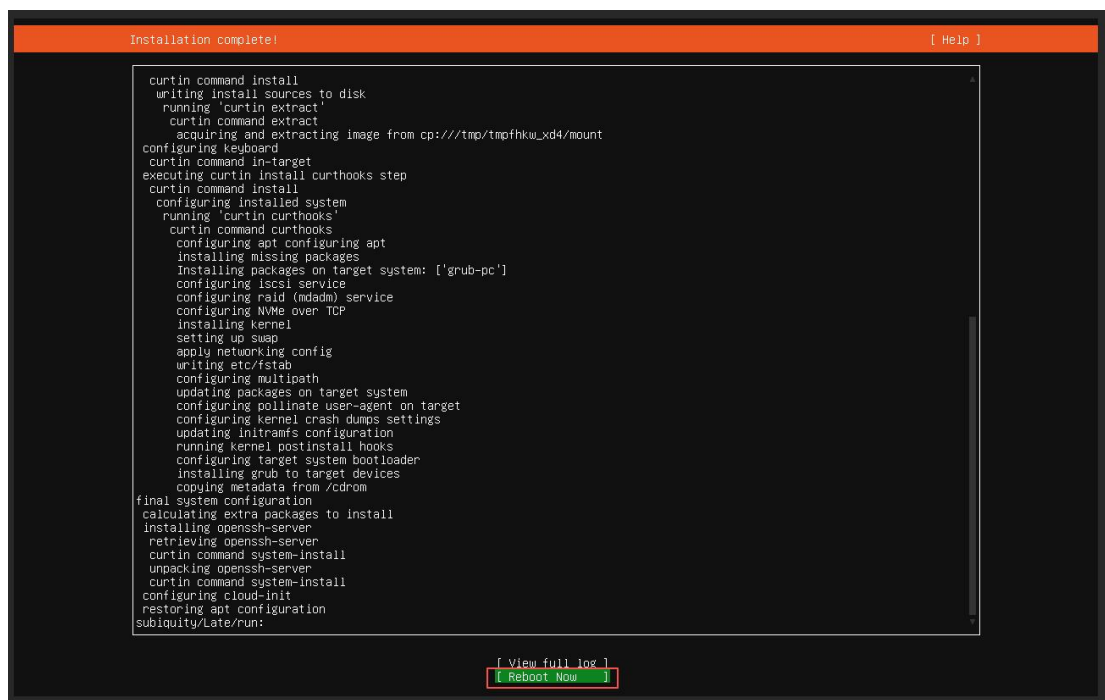
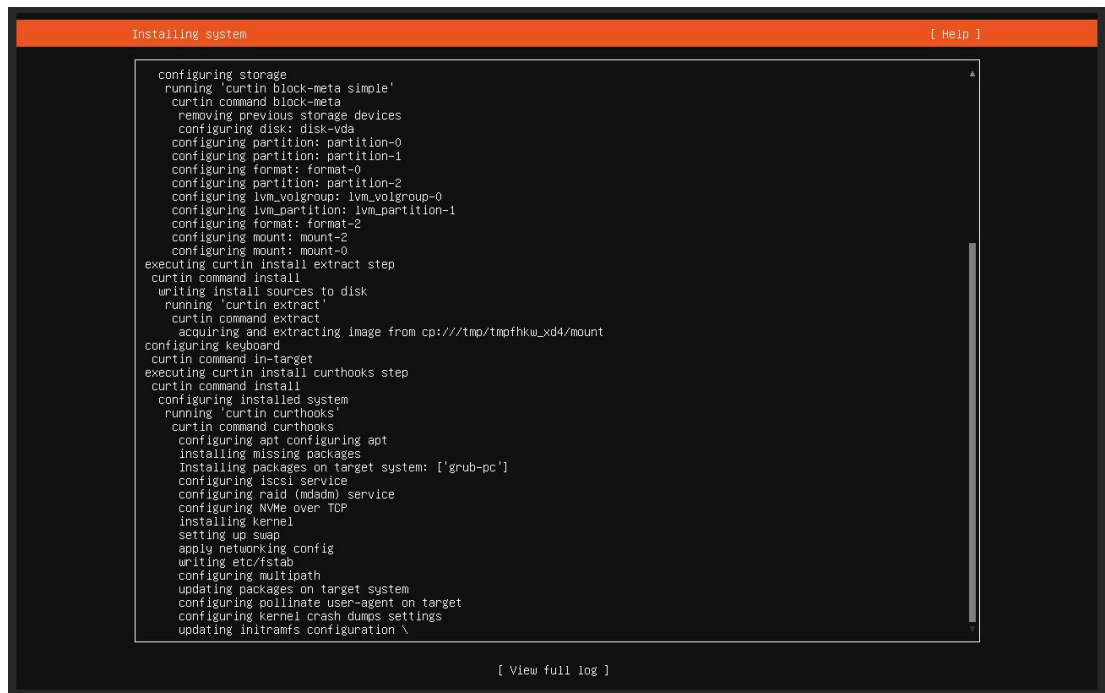


1.7. 配置用户信息



1.8. 安装 SSH 进行系统安装





1.9. 修改 root 用户密码并配置 SSH 权限

```
test@test:~$ sudo -i
[sudo] password for test:
root@test:~# passwd
New password:
Retype new password:
passwd: password updated successfully
root@test:~# _
```

修改 ssh 配置文件 vi /etc/ssh/sshd_config

```
# This is the sshd server system-wide configuration file. See
# sshd_config(5) for more information.

# This sshd was compiled with PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games

# The strategy used for options in the default sshd_config shipped with
# OpenSSH is to specify options with their default value where
# possible, but leave them commented. Uncommented options override the
# default value.

Include /etc/ssh/sshd_config.d/*.conf

#Port 22
#AddressFamily any
#ListenAddress 0.0.0.0
#ListenAddress ::

#HostKey /etc/ssh/ssh_host_rsa_key
#HostKey /etc/ssh/ssh_host_ecdsa_key
#HostKey /etc/ssh/ssh_host_ed25519_key

# Ciphers and keying
#RekeyLimit default none

# Logging
#SyslogFacility AUTH
#LogLevel INFO

# Authentication:

#LoginGraceTime 2m
#PermitRootLogin yes
#StrictModes yes
#MaxAuthTries 6
#MaxSessions 10

#PubkeyAuthentication yes

# Expect .ssh/authorized_keys2 to be disregarded by default in future.
#AuthorizedKeysFile .ssh/authorized_keys .ssh/authorized_keys2

#AuthorizedPrincipalsFile none

#AuthorizedKeysCommand none
#AuthorizedKeysCommandUser nobody

# For this to work you will also need host keys in /etc/ssh/ssh_known_hosts
#HostbasedAuthentication no
:uq_
```

重启 ssh 服务 `systemctl restart ssh`

2. 安装依赖

2.1. 安装 lrzsz 并上传 Supernova 系统镜像

安装依赖 `apt install lrzsz -y`

```
root@test:~# apt install lrzsz -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
  minicom
The following NEW packages will be installed:
  lrzsz
0 upgraded, 1 newly installed, 0 to remove and 171 not upgraded.
Need to get 74.8 kB of archives.
After this operation, 531 kB of additional disk space will be used.
Ign:1 http://mirrors.tuna.tsinghua.edu.cn/ubuntu jammy/universe amd64 lrzsz amd64 0.12.21-10
Get:1 https://mirrors.aliyun.com/ubuntu jammy/universe amd64 lrzsz amd64 0.12.21-10 [74.8 kB]
Fetched 74.8 kB in 5s (14.5 kB/s)
Selecting previously unselected package lrzsz.
(Reading database ... 74666 files and directories currently installed.)
Preparing to unpack .../lrzsz_0.12.21-10_amd64.deb ...
Unpacking lrzsz (0.12.21-10) ...
Setting up lrzsz (0.12.21-10) ...
Processing triggers for man-db (2.10.2-1) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

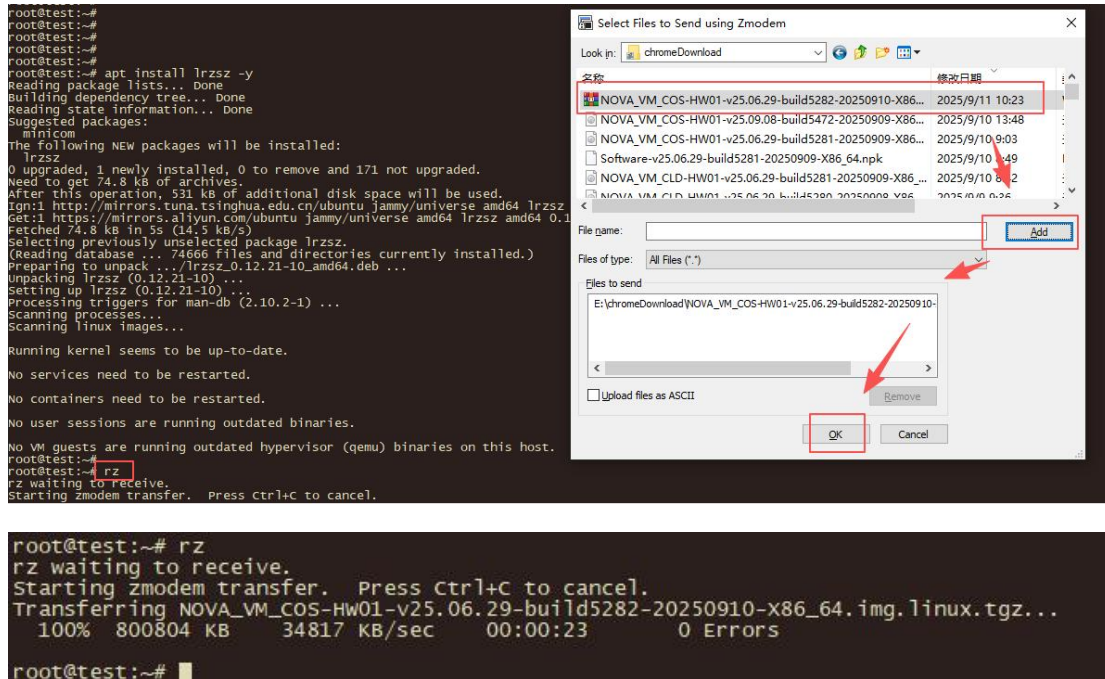
No services need to be restarted.

No containers need to be restarted.

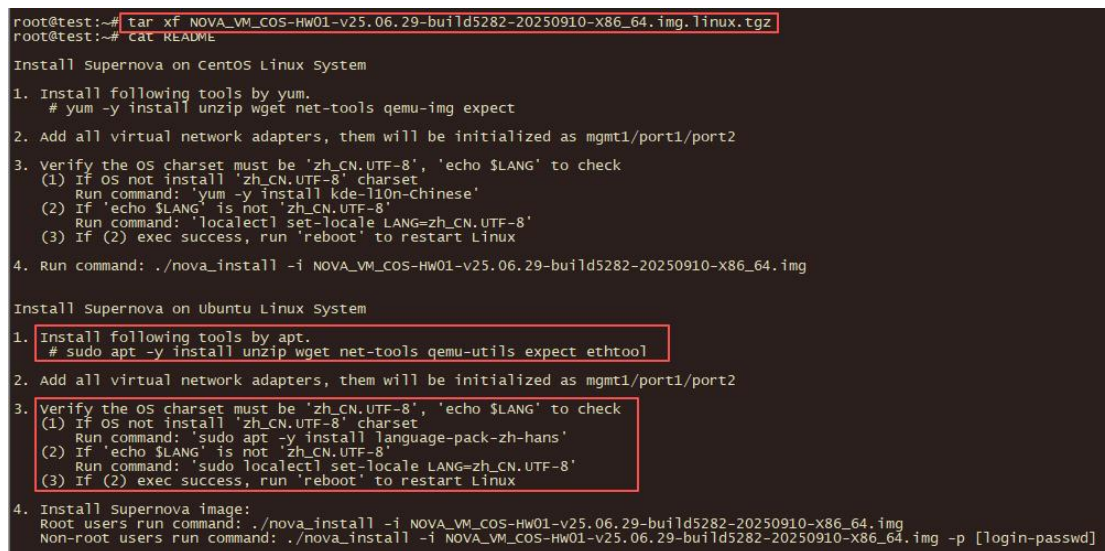
No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@test:~#
```

上传 Supernova 软件镜像



2.2. 解压软件包并且更新所需依赖文件



3. 安装 Supernova 系统

3.1. 安装 Supernova 系统


```

root@test:~# ./nova_install_libc2.17_x86_64 -i NOVA_VM_COS-HW01-v25.06.29-build5282-20250910-x86_64.img
linux_os_version: 11010000

Install Supernova image NOVA_VM_COS-HW01-v25.06.29-build5282-20250910-x86_64.img on Ubuntu System ...

Would you like add a interface to manage system? it will be rename as mgmt (y/n): ens18(192.168.15.55/24),ens19,ens20,
Please input management interface name: ens18
Interface ens18, MAC address bc:24:11:f1:01:2e, Gateway , will be rename as mgmt1
配置管理接口

Found following network interfaces from this system:
ens18(192.168.15.55/24),ens19,ens20,
would you like add some interfaces to burst test traffic? it will be rename as port1/port2...(y/n): y
配置测试接口
Please input traffic interface name: ens19,ens20
Next we will rename traffic port by input:
Interface ens19, MAC address bc:24:11:f3:ca:71 will be rename as port1
Interface ens20, MAC address bc:24:11:a0:a2:8b will be rename as port2

%20, Decrypt image ... Done
%40, Install ramdisk ... Done
%60, Install dhpam ... Done
%70, Install novacode ... Done
%80, Install toolkit ... Done
%90, Update grub config ... Hugepagesize: 2048 kb
Done
cmd: grub-mkconfig -o /boot/grub/grub.cfg > /tmp/cmd.log 2>&1
%100, Install booter ... Done

system will be rebooted in 5 seconds

```

3.2. 等待重启完成后查看部署状态

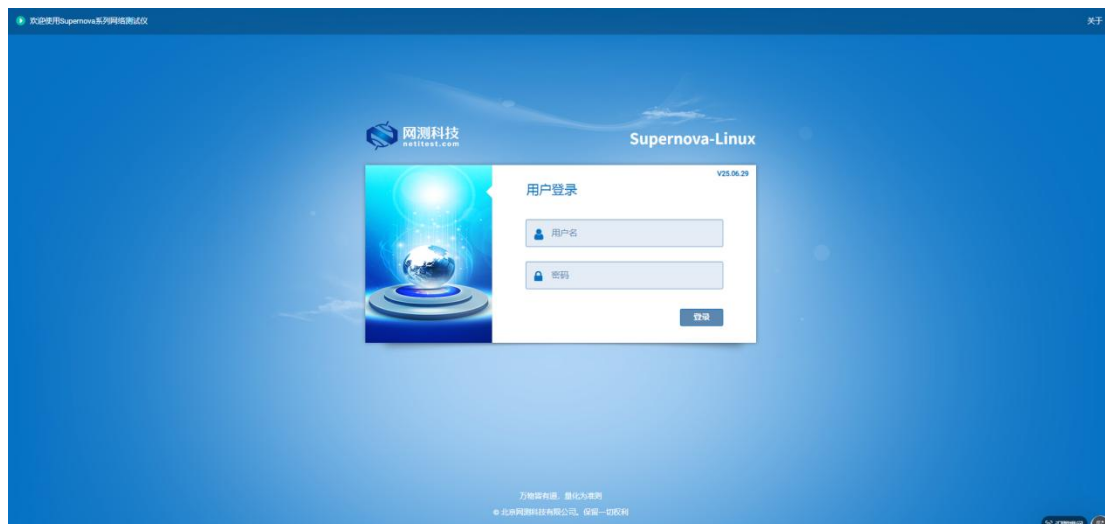
查看 http 及 https 服务是否正常启动 `ps -ef|grep http`

```

root@supernova:~# ps -ef|grep http
root      1891      1   1 06:23 ?        00:00:01 python3 flask_https_server.py
root      1893      1   1 06:23 ?        00:00:01 python3 flask_https_server.py
root      1913      1   1 06:23 ?        00:00:00 sh -c source /etc/profile; /usr/bin/gunicorn -c gunicorn_http.conf.py flask_http_server:app
root      1914      1   1 06:23 ?        00:00:00 /usr/bin/python3 /usr/bin/gunicorn -c gunicorn_https.conf.py flask_https_server:app
root      1915      1   1 06:23 ?        00:00:00 sh -c source /etc/profile; /usr/bin/gunicorn -c gunicorn_https.conf.py flask_https_server:app
root      1916      1   1 06:23 ?        00:00:00 /usr/bin/python3 /usr/bin/gunicorn -c gunicorn_https.conf.py flask_https_server:app
root      1921      1   1 06:23 ?        00:00:00 /usr/bin/python3 /usr/bin/gunicorn -c gunicorn_http.conf.py flask_http_server:app
root      1926      1   1 06:23 ?        00:00:00 /usr/bin/python3 /usr/bin/gunicorn -c gunicorn_https.conf.py flask_https_server:app
root      1927      1   1 06:23 ?        00:00:00 /usr/bin/python3 /usr/bin/gunicorn -c gunicorn_https.conf.py flask_https_server:app
root      1928      1   1 06:23 ?        00:00:00 /usr/bin/python3 /usr/bin/gunicorn -c gunicorn_https.conf.py flask_https_server:app
root      1929      1   1 06:23 ?        00:00:00 /usr/bin/python3 /usr/bin/gunicorn -c gunicorn_http.conf.py flask_http_server:app
root      1932      1   1 06:23 ?        00:00:00 /usr/bin/python3 /usr/bin/gunicorn -c gunicorn_https.conf.py flask_https_server:app
root      1933      1   1 06:23 ?        00:00:00 /usr/bin/python3 /usr/bin/gunicorn -c gunicorn_https.conf.py flask_https_server:app
root      1940      1   1 06:23 ?        00:00:00 /usr/bin/python3 /usr/bin/gunicorn -c gunicorn_https.conf.py flask_https_server:app
root      2110      1   1 06:24 pts/0    00:00:00 grep --color=auto http
root@supernova:~#

```

输入管理 ip 地址登陆界面默认用户名/密码: admin/admin



网测科技
netTest.com

用例

资源

列表

运行

报告

系统

帮助

用户

V25.06.29
Supernova-Linux

L4-7582测试

当前位置： 用例 > L4-7582测试 > Web协议测试 > HTTP > 新建

Web协议测试

HTTP

新建

用户模式

运行模式

开发

帮助

UDPTCP测试

HTTP新建用户模式

主要测试目标：模拟HTTP新建连接、HTTP新建成功、。
测试过程简介：设置IP地址，设置要测试的HTTP会话的模拟设备，每个虚拟用户建立一条TCP连接，执行一个完整的HTTP的模拟(发送请求和接收响应)，接收不同结果，再构造TCP连接并构造一个完整的HTTP会话。
对于延迟低、模拟好的测试设备，可以获得更好的测试结果，因为每个虚拟用户对设备延迟的收发时间，影响执行流程能快速完成，所以获得最佳性能要清楚虚拟用户数量，此模式在最佳用户时会获得更好的性能。

用例列表

新增

删除

导入用例

对比用例

去数据

刷新

☐	编号	运行	任务列表	用户	名字	受测设备类型	编辑	删除	详细信息	导出	历史记录
--------------------------	----	----	------	----	----	--------	----	----	------	----	------

显示行数：50 0-0 of 0 全部删除

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