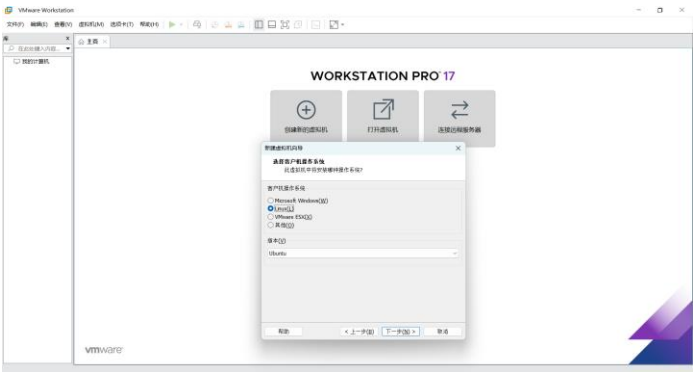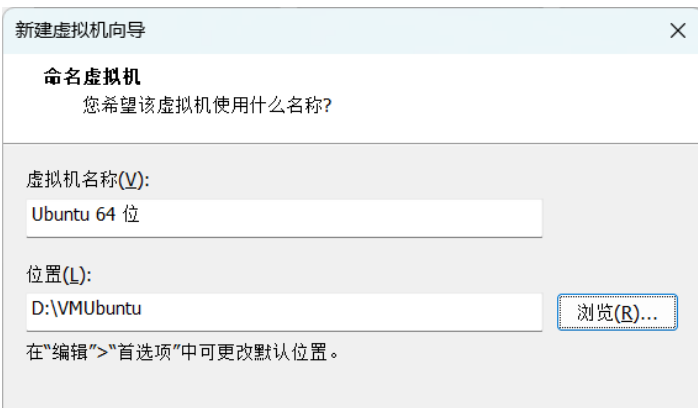# 任务创建虚拟机、docker 与大模型对话

李凯涛_2023327100056
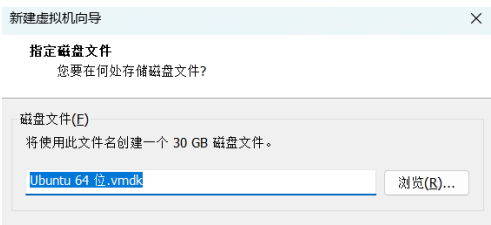
虚拟机的系统安装
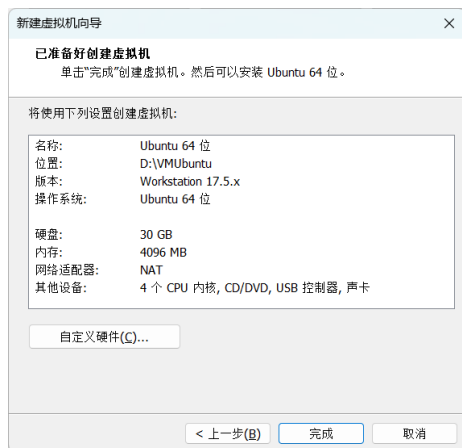

安装 ubuntu 系统

创键虚拟机的磁盘文件
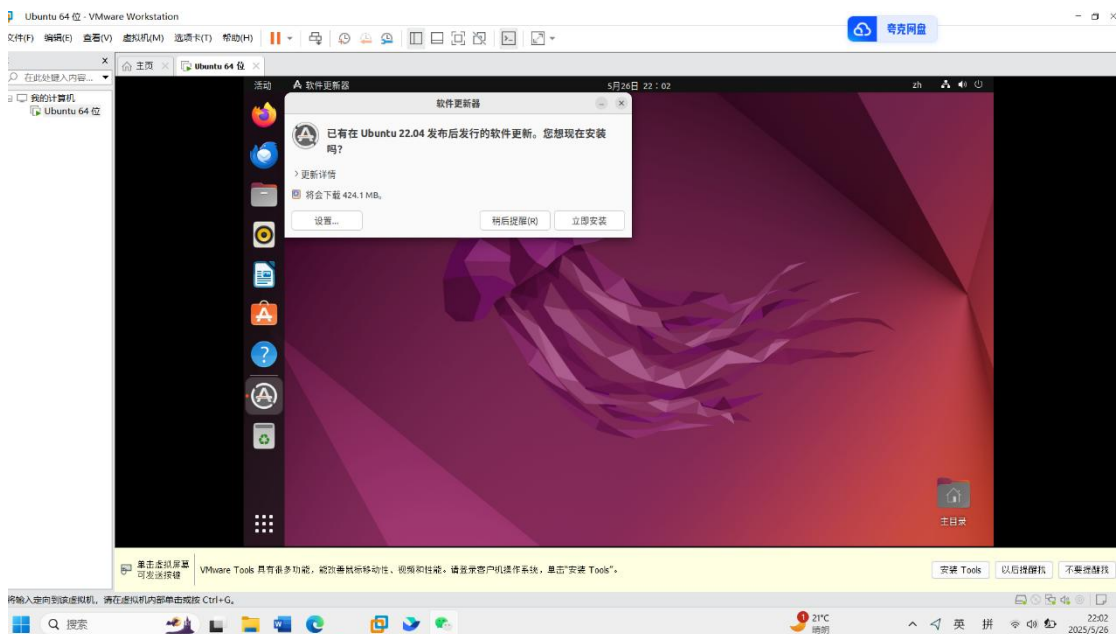

具体信息

成功创建

成功完成虚拟机 Ubuntu 安装

虚拟机上安装 docker

```
passwd: 已成功更新密码
leon6666@leon6666-virtual-machine:~$ sudo snap install docker          # version
27.5.1
下载 snap "docker" (3064)，来自频道 "stable"
下载 snap "docker" (3064)，来自频道 "stable"
下载 snap "docker" (3064)，来自频道 "stable"
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下载 snap "docker" (3064)，来自频道 "stable"
```

成功安装 docker

```
Run 'docker run --help' for more information
root@leon6666-virtual-machine:~# ^C
root@leon6666-virtual-machine:~# sudo systemctl enable docker
Synchronizing state of docker.service with SysV service script with /lib/systemd
/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable docker
root@leon6666-virtual-machine:~# sudo systemctl is-enabled docker
enabled
root@leon6666-virtual-machine:~# sudo systemctl status docker
●docker.service - Docker Application Container Engine
     Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset>
     Active: active (running) since Tue 2025-05-27 14:06:13 CST; 3min 44s ago
TriggeredBy: ●docker.socket
       Docs: https://docs.docker.com
   Main PID: 12268 (dockerd)
      Tasks: 10
     Memory: 21.1M
        CPU: 530ms
     CGroup: /system.slice/docker.service
             └─12268 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/con>
```

安装大模型 gemma3

```
leon6666@leon6666-virtual-machine:~$ run ollama
找不到命令 "run"，您的意思是：
  "rue" 命令来自 Snap 软件包 darkdimension-rue (1.0.7)
  "bun" 命令来自 Snap 软件包 bun-js (1.2.14)
  "crun" 命令来自 Debian 软件包 crun (0.17+dfsg-1.1ubuntu0.1)
  "runc" 命令来自 Debian 软件包 runc (1.1.12-0ubuntu2~22.04.1)
  "runc" 命令来自 Debian 软件包 golang-github-opencontainers-runc-dev (1.1.7-0u
untu1~22.04.5)
  "srun" 命令来自 Debian 软件包 slurm-client (21.08.5-2ubuntu1)
  "zrun" 命令来自 Debian 软件包 moreutils (0.66-1)
  "zun" 命令来自 Debian 软件包 python3-zunclient (4.4.0-0ubuntu1)
  "rup" 命令来自 Debian 软件包 rstat-client (4.0.1-11)
  "rn" 命令来自 Debian 软件包 trn4 (4.0-test77-14)
  "grun" 命令来自 Debian 软件包 grun (0.9.3+git20200303-1)
  "runq" 命令来自 Debian 软件包 exim4-daemon-heavy (4.95-4ubuntu2.6)
  "runq" 命令来自 Debian 软件包 exim4-daemon-light (4.95-4ubuntu2.6)
  "runq" 命令来自 Debian 软件包 sendmail-bin (8.15.2-22ubuntu3)
输入 "snap info <snapname>" 以查看更多版本。
leon6666@leon6666-virtual-machine:~$ ollama run gemma3:4b
pulling manifest
pulling aeda25e63ebd:   6%                     |   211 MB/3.3 GB  1.2 MB/s   43m1s
```

成功与模型聊天