

云计算实验二报告 ---- 10215501435 杨茜雅

作业 1:

主机名称 \$ 资源ID 可用区 基础网络 \$ 配置 机型与特性 付费方式 \$ 操作

myFirstHost uhost-o4t15afp90v 上海教育云可用区B (内) 10.23.17.51 (外) 113.31.112.200 BGP 1.1.1.20.20 快类型 O 按时 详情 登录 启动 ...

113.31.112.200.22 - root@10-23-17-51:~ - Xshell 7 (Free for Home/School)

文件(F) 编辑(E) 查看(V) 工具(T) 选项卡(B) 窗口(W) 帮助(H)

ssh://root@113.31.112.200.22

要添加当前会话，点击左侧的箭头按钮。

会话管理器

所有会话

To generate this message, Docker took the following steps:

1. The Docker client contacted the Docker Hub.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub. (amd64)
3. The Docker daemon created a new container from that image which runs the executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it to your terminal.

To try something more ambitious, you can run an Ubuntu container with:

```
$ docker run -it ubuntu bash
```

Share images, automate workflows, and more with a free Docker ID: <https://hub.docker.com/>

For more examples and ideas, visit: <https://docs.docker.com/get-started/>

```
[root@10-23-17-51 ~]# docker pull busybox
Using default tag: latest
latest: Pulling from library/busybox
8e674ad76dce: Pull complete
Digest: sha256:bf510723d2cd2d4e3f5ce7e93bf1e52c8fd76831995ac3bd3f90ecc866643aff
Status: Downloaded newer image for busybox:latest
docker.io/library/busybox:latest
```

名称	所有会话
类型	文件夹
子项目	0
主机	22
端口	SSH
协议	
用户名	
说明	

```
[root@10-23-17-51 ~]# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
hello-world    latest    9c7a54a9a43c   4 months ago   13.3kB
busybox        latest    c4db68dc4ff2   4 years ago    1.22MB
```

```
[root@10-23-17-51 ~]# docker run busybox
[root@10-23-17-51 ~]# docker run busybox echo "hello from busybox"
hello from busybox
[root@10-23-17-51 ~]#
```

ssh://root@113.31.112.200.22 SSH2 xterm 103x33 33,23 1 会话 CAP NUM

作业 2:

113.31.112.200.22 - root@10-23-17-51:~ - Xshell 7 (Free for Home/School)

文件(F) 编辑(E) 查看(V) 工具(T) 选项卡(B) 窗口(W) 帮助(H)

ssh://root@113.31.112.200.22

要添加当前会话，点击左侧的箭头按钮。

会话管理器

所有会话

```
[root@10-23-17-51 ~]# docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
f66c8f64e848   busybox   "sh"      2 minutes ago   Exited (0) 2 minutes ago   elastic_hypatia
f1eae77aa78    hello-world "/hello"  16 minutes ago   Exited (0) 16 minutes ago   vigilant_joliot
```

```
[root@10-23-17-51 ~]# docker search centos
```

NAME	DESCRIPTION	STARS	OFFICIAL	AUTO
centos	DEPRECATED; The official build of CentOS.	7648	[OK]	
kasmweb/centos-7-desktop	CentOS 7 desktop for Kasm Workspaces	39		
bitnami/centos-base-buildpack	Centos base compilation image	0		[OK]
couchbase/centos7-systemd	centos7-systemd images with additional debug	8		[OK]
continuumio/centos5_gcc5_base		3		
datadog/centos-1386		0		
dokken/centos-7	CentOS 7 image for kitchen-dokken	5		
dokken/centos-8	CentOS 8 image for kitchen-dokken	5		
spack/centos7	CentOS 7 with Spack preinstalled	1		
dokken/centos-6	EOL: CentOS 6 image for kitchen-dokken	0		
atlas/centos7-atlasos	ATLAS CentOS 7 Software Development OS	0		
couchbase/centos-72-java-sdk		0		
couchbase/centos-72-jenkins-core		0		
spack/centos6	CentOS 6 with Spack preinstalled	1		
couchbase/centos-70-sdk-build		0		
couchbase/centos-69-sdk-build		0		
couchbase/centos-69-sdk-nodetoolset-build		0		
ustclug/centos	Official CentOS Image with USTC Mirror	5		
eclipse/centos_jdk8	CentOS, JDK8, Maven 3, git, curl, nmap, mc, ...	4		[OK]
dokken/centos-stream-8		1		
adoptopenjdk/centos7_build_image		6		
dokken/centos-stream-9		0		
corpusops/centos-bare	https://github.com/corpusops/docker-images/	0		
corpusops/centos	centos corpusops baseImage	0		
adoptopenjdk/centos6_build_image		0		

```
[root@10-23-17-51 ~]#
```

ssh://root@113.31.112.200.22 SSH2 xterm 118x33 33,23 1 会话 CAP NUM

113.31.112.200:22 - @e7b88f44275a/ - Xshell 7 (Free for Home/School)

文件(F) 编辑(E) 查看(V) 工具(T) 选项卡(B) 窗口(W) 帮助(H)

ssh://root@113.31.112.200:22

会话管理器

所有会话

```
corpusops/centos centos corpusops baseimage 0
adpotopenjdk/centos0-build_image 0
[root@10-23-17-51 ~]# docker pull centos
Using default tag, latest
latest: Pulling from library/centos
a02a4930cb5d: Pull complete
Digest: sha256:365fc7f33107869dfcf2b3ba220ce0aa42e16d3f8e8b3c21d72af1ee622f0cf0
Status: Downloaded newer image for centos:latest
docker.io/library/centos:latest
[root@10-23-17-51 ~]# docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
f60c0f64e848        busybox            "sh"               14 minutes ago      Exited (0) 13 minutes ago              elastic_hypatia
f1eae77aa78        hello-world        "/hello"           27 minutes ago      Exited (0) 27 minutes ago              vigilant_joliot
[root@10-23-17-51 ~]# docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
f60c0f64e848        busybox            "sh"               17 minutes ago      Exited (0) 16 minutes ago              elastic_hypatia
f1eae77aa78        hello-world        "/hello"           30 minutes ago      Exited (0) 30 minutes ago              vigilant_joliot
[root@10-23-17-51 ~]# docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
hello-world         latest             9c7a54a9a43c       4 months ago       13.3kB
busybox             latest             e4db68de4ff2       4 years ago        1.22MB
centos               latest             1e1148e4cc2c       4 years ago        202MB
[root@10-23-17-51 ~]# docker run centos
[root@10-23-17-51 ~]# docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
9319eb96f3f9        centos             "/bin/bash"        15 seconds ago      Exited (0) 14 seconds ago              admiring_williamson
f60c0f64e848        busybox            "sh"               17 minutes ago      Exited (0) 16 minutes ago              elastic_hypatia
f1eae77aa78        hello-world        "/hello"           30 minutes ago      Exited (0) 30 minutes ago              vigilant_joliot
[root@10-23-17-51 ~]# docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
9319eb96f3f9        centos             "/bin/bash"        15 seconds ago      Exited (0) 14 seconds ago              admiring_williamson
f60c0f64e848        busybox            "sh"               17 minutes ago      Exited (0) 16 minutes ago              elastic_hypatia
f1eae77aa78        hello-world        "/hello"           30 minutes ago      Exited (0) 30 minutes ago              vigilant_joliot
[root@10-23-17-51 ~]# docker run -it centos sh
sh-4.2# ls
anaconda-post.log bin dev etc home lib lib64 media mnt opt proc root run sbin srv sys tmp usr var
sh-4.2# uptime
07:59:12 up 3:04, 0 users, load average: 0.00, 0.02, 0.00
sh-4.2# cd home && pwd
/home
sh-4.2# exit
exit
[root@10-23-17-51 ~]# docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
a731b5702664        centos             "sh"               3 minutes ago       Exited (0) 3 minutes ago              angry_easley
9319eb96f3f9        centos             "/bin/bash"        4 minutes ago        Exited (0) 4 minutes ago              admiring_williamson
f60c0f64e848        busybox            "sh"               21 minutes ago       Exited (0) 20 minutes ago              elastic_hypatia
f1eae77aa78        hello-world        "/hello"           34 minutes ago        Exited (0) 34 minutes ago              vigilant_joliot
[root@10-23-17-51 ~]# docker run -it centos /bin/bash
[root@7b88f44275a /]# lscpu
Architecture:          x86_64
CPU op-mode(s):        32-bit, 64-bit
Byte Order:            Little Endian
CPU(s):                 1
On-line CPU(s) list:   0
Thread(s) per core:    1
Core(s) per socket:    1
Socket(s):              1
NUMA node(s):          1
Vendor ID:              GenuineIntel
CPU family:             6
Model:                 85
Model name:             Intel Xeon Processor (Cascadelake)
Stepping:               6
```

名称	所有会话
类型	文件夹
子项目	0
主机	
端口	22
协议	SSH
用户名	
说明	

ssh://root@113.31.112.200:22

113.31.112.200:22 - @e7b88f44275a/ - Xshell 7 (Free for Home/School)

文件(F) 编辑(E) 查看(V) 工具(T) 选项卡(B) 窗口(W) 帮助(H)

ssh://root@113.31.112.200:22

会话管理器

所有会话

```
f60c0f64e848        busybox            "sh"               17 minutes ago      Exited (0) 16 minutes ago              elastic_hypatia
f1eae77aa78        hello-world        "/hello"           30 minutes ago      Exited (0) 30 minutes ago              vigilant_joliot
[root@10-23-17-51 ~]# docker run -it centos sh
sh-4.2# ls
anaconda-post.log bin dev etc home lib lib64 media mnt opt proc root run sbin srv sys tmp usr var
sh-4.2# uptime
07:59:12 up 3:04, 0 users, load average: 0.00, 0.02, 0.00
sh-4.2# cd home && pwd
/home
sh-4.2# exit
exit
[root@10-23-17-51 ~]# docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
a731b5702664        centos             "sh"               3 minutes ago       Exited (0) 3 minutes ago              angry_easley
9319eb96f3f9        centos             "/bin/bash"        4 minutes ago        Exited (0) 4 minutes ago              admiring_williamson
f60c0f64e848        busybox            "sh"               21 minutes ago       Exited (0) 20 minutes ago              elastic_hypatia
f1eae77aa78        hello-world        "/hello"           34 minutes ago        Exited (0) 34 minutes ago              vigilant_joliot
[root@10-23-17-51 ~]# docker run -it centos /bin/bash
[root@7b88f44275a /]# lscpu
Architecture:          x86_64
CPU op-mode(s):        32-bit, 64-bit
Byte Order:            Little Endian
CPU(s):                 1
On-line CPU(s) list:   0
Thread(s) per core:    1
Core(s) per socket:    1
Socket(s):              1
NUMA node(s):          1
Vendor ID:              GenuineIntel
CPU family:             6
Model:                 85
Model name:             Intel Xeon Processor (Cascadelake)
Stepping:               6
```

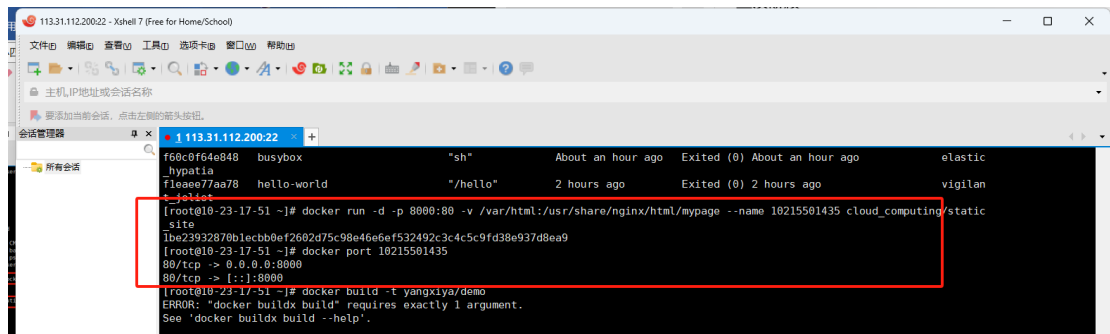
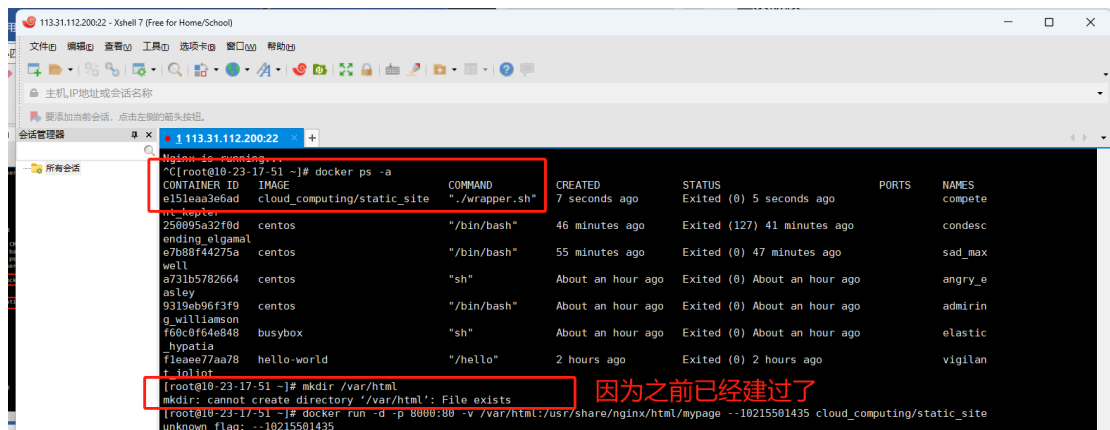
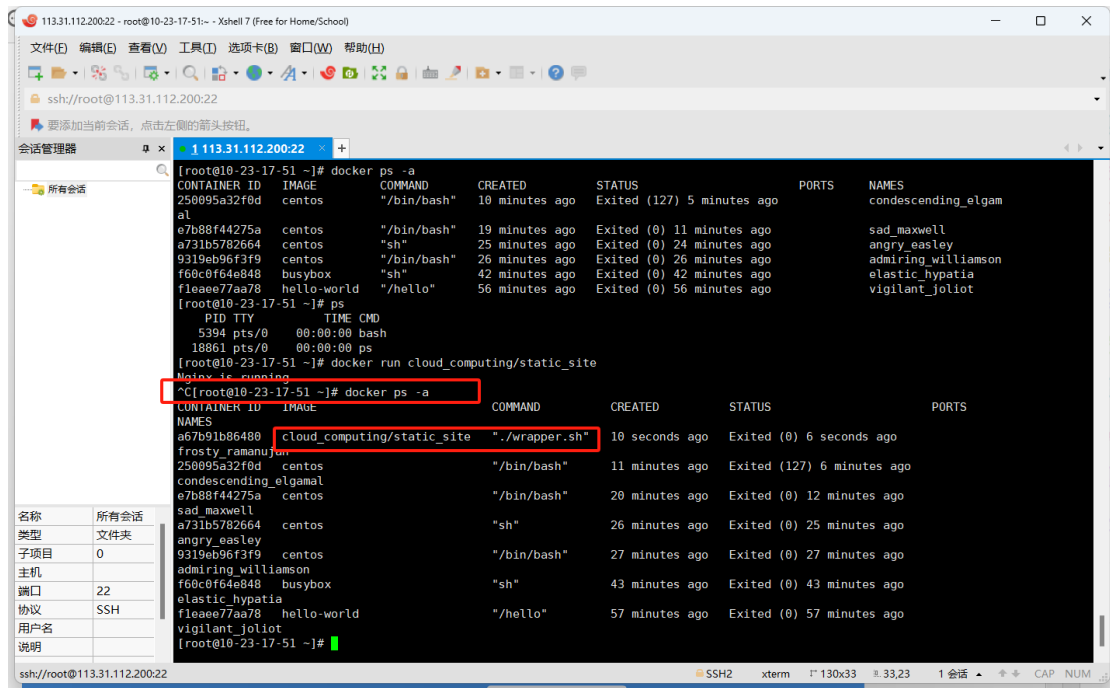
名称	所有会话
类型	文件夹
子项目	0
主机	
端口	22
协议	SSH
用户名	
说明	

ssh://root@113.31.112.200:22

```
ssh://root@113.31.112.200:22
[root@10-23-17-51 ~]# docker run -it centos /bin/bash
[root@e7b88f44275a ~]# lscpu
Architecture: x86_64
CPU op-mode(s): 32-bit, 64-bit
Byte Order: Little Endian
CPU(s): 1
On-line CPU(s) list: 0
Thread(s) per core: 1
Core(s) per socket: 1
Socket(s): 1
NUMA node(s): 1
Vendor ID: GenuineIntel
CPU family: 6
Model: 85
Model name: Intel Xeon Processor (Cascadelake)
Stepping: 6
CPU MHz: 2992.968
BogoMIPS: 5985.93
Hypervisor vendor: KVM
Virtualization type: full
L1d cache: 32K
L1i cache: 32K
L2 cache: 4096K
L3 cache: 16384K
NUMA node0 CPU(s): 0
Flags: fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush mmx fxsr sse ss
e2 syscall nx pdpe1gb rdtscp lm constant_tsc rep_good nopl xtopology cpuid tsc_known_freq pni pclmulqdq sse3 fma cx16
pcid sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand hypervisor lahf_lm abm 3dnowprefe
tch cpuid_fault invpcid_single ssbd ibrs ibpb fsgsbase bmi1 hle avx2 smep bmi2 erms invpcid rtm avx512f avx512dq rdsee
d adx smap clflushopt clwb avx512cd avx512bw avx512vl xsaveopt xsavec xgetbv1 arat pku ospke avx512_vnni
[root@e7b88f44275a ~]#
```

作业 3:

```
ssh://root@113.31.112.200:22
[root@10-23-17-51 ~]# docker pull cloud_computing/static_site
Using default tag: latest
latest: Pulling from cloud_computing/static_site
Digest: sha256:216f01f20cf3b436d9df1d850050c9ff1151c0362e12d9292bf909c628ac66ab
Status: Image is up to date for cloud_computing/static_site:latest
[root@10-23-17-51 ~]# docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
250095a32f0d        centos              "/bin/bash"         10 minutes ago      Exited (127) 5 minutes ago              condescending_elgam
a731b5782664        centos              "/bin/bash"         19 minutes ago      Exited (0) 11 minutes ago              sad_maxwell
a731b5782664        centos              "/bin/bash"         25 minutes ago      Exited (0) 24 minutes ago              angry_easley
9319eb96f3f9        centos              "/bin/bash"         26 minutes ago      Exited (0) 26 minutes ago              admiring_williamson
f60c0f64e848        busybox             "/sh"               42 minutes ago      Exited (0) 42 minutes ago              elastic_hypatia
f1eaae77aa78        hello-world         "/hello"            56 minutes ago      Exited (0) 56 minutes ago              vigilant_joliot
[root@10-23-17-51 ~]# ps
  PID TTY          TIME CMD
 5394 pts/0    00:00:00 bash
10001 pts/0    00:00:00 ps
[root@10-23-17-51 ~]# docker run cloud_computing/static_site
[C[root@10-23-17-51 ~]# docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
a67b91b86480        cloud_computing/static_site    "/wrapper.sh"       10 seconds ago      Exited (0) 6 seconds ago
frosty_ramanujan    250095a32f0d        centos              "/bin/bash"         11 minutes ago      Exited (127) 6 minutes ago
condescending_elgamal
e7b88f44275a        centos              "/bin/bash"         20 minutes ago      Exited (0) 12 minutes ago
sad_maxwell
```



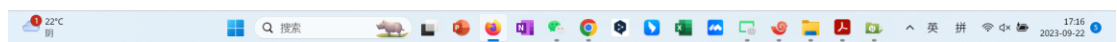


Hello Docker!

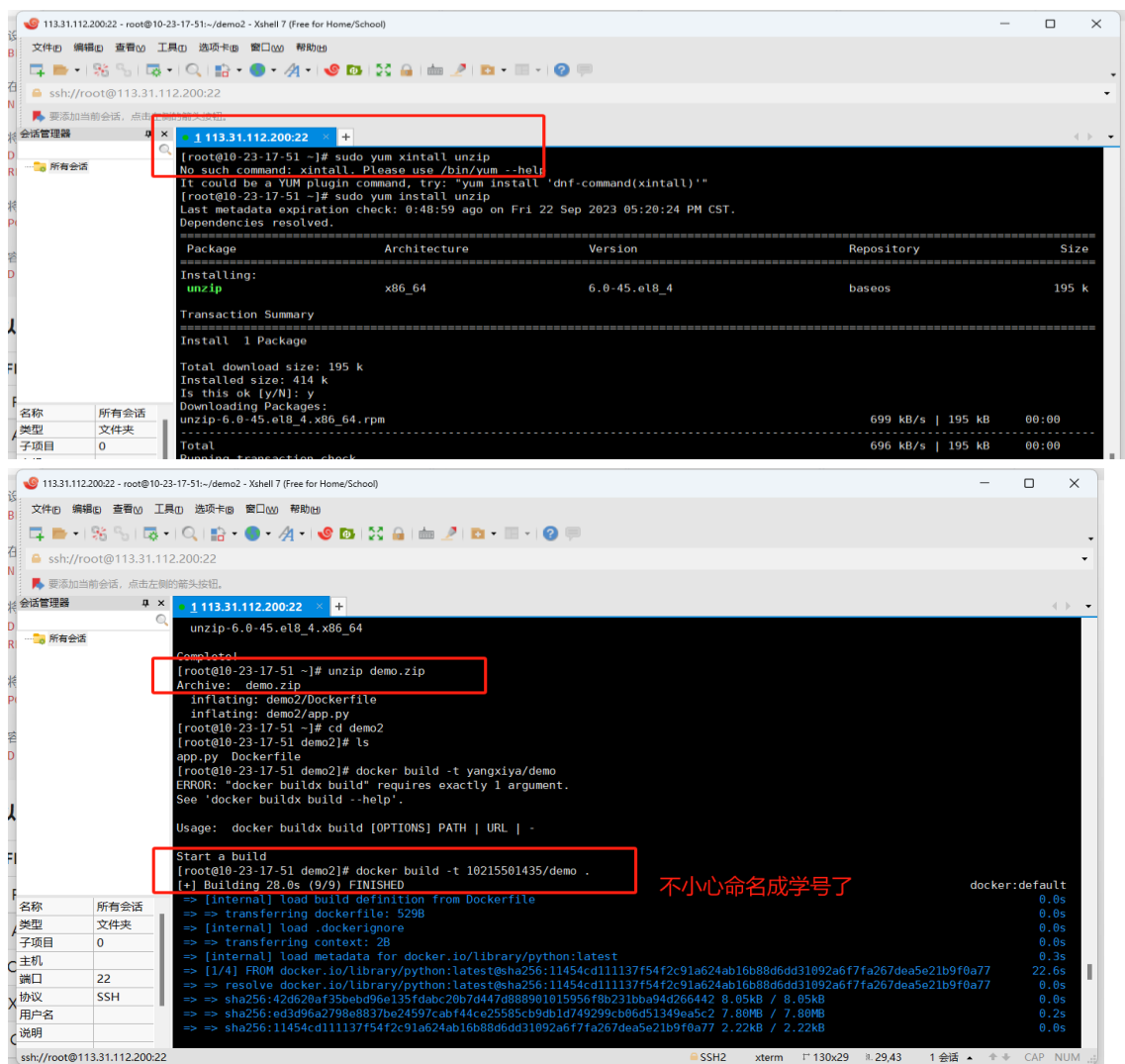
This is being served from a **docker** container running Nginx.

my id is 10215501435, my name is **e(Ere)** .. Yang Xiya

所以有乱码，其他不影响



作业 4:



113.31.112.200:22 - root@10-23-17-51:~demo2 - Xshell 7 (Free for Home/School)

文件(F) 编辑(E) 查看(V) 工具(T) 选项(O) 窗口(W) 帮助(H)

ssh://root@113.31.112.200:22

会话管理器

113.31.112.200:22

```
Start a build
[root@10-23-17-51 demo2]# docker build -t 10215501435/demo .
[+] Building 28.8s (9/9) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 529B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/python:latest
=> [1/4] FROM docker.io/library/python:latest@sha256:11454cd11137f54f2c91a624ab16b88d6dd31092a6f7fa267dea5e21b9f8a77
=> resolve docker.io/library/python:latest@sha256:11454cd11137f54f2c91a624ab16b88d6dd31092a6f7fa267dea5e21b9f8a77
=> sha256:42b620af35bab96a135fdabc2ab7d447d88991015956f8b231bba94d266442 8.05kB / 8.05kB
=> sha256:edd99a2798e8837be24597cabf44ce25585cb9b1d749299cb6d51349ea5c2 7.80MB / 7.80MB
=> sha256:11454cd11137f54f2c91a624ab16b88d6dd31092a6f7fa267dea5e21b9f8a77 2.22kB / 2.22kB
=> sha256:5ae19949497e04289972756fe51cfac1a72b04fe2709e85a615945035c5a9a61 50.38MB / 50.38MB
=> sha256:f1213685078145f6136368475dbaff08f86dfe92133a7bc26d79609080255dd 9.98MB / 9.98MB
=> sha256:1b0ad5550bdf77bdc43d835b19550bdc1de06a717b26d01d082591a5a956 51.77MB / 51.77MB
=> sha256:6f18849a0455d5e717b588354b5159ac661e1a28d6ca9d6f7bc85c0dd17a7cf 192.26MB / 192.26MB
=> extracting sha256:5ae19949497e04289972756fe51cfac1a72b04fe2709e85a615945035c5a9a61
=> sha256:ce39fa9d79d10239f5407e0bf43e2056f10cab5386d7319e220478fbed6a8323 5.79MB / 5.79MB
=> sha256:3a91ffc8f8eadcc4b196138e3c783078af7e5239688128d2c7ed480289574e4 26.57MB / 26.57MB
=> extracting sha256:edd99a2798e8837be24597cabf44ce25585cb9b1d749299cb6d51349ea5c2
=> sha256:e0d2ce8a15068a257dce1089ebc11ae630b110a907b1f059794756d16ddde 235B / 235B
=> sha256:bf0dbf98a11587afe7b0b48c0f7bf182b2fb7823da8b298a45aa3697726369e 1.82MB / 1.82MB
=> extracting sha256:f1213685078145f6136368475dbaff08f86dfe92133a7bc26d79609080255dd
=> extracting sha256:1a9ad5d550bdf7db4c3d035bf9550bdc1de06a717b26d01d082591a5a956
=> extracting sha256:6f18849a0455d5e717b588354b5159ac661e1a28d6ca9d6f7bc85c0dd17a7cf
=> extracting sha256:ce39fa9d79d10239f5407e0bf43e2056f10cab5386d7319e220478fbed6a8323
=> extracting sha256:3a91ffc8f8eadcc4b196138e3c783078af7e5239688128d2c7ed480289574e4
=> extracting sha256:e0d2ce8a15068a257dce1089ebc11ae630b110a907b1f059794756d16ddde
=> extracting sha256:bf0dbf98a11587afe7b0b48c0f7bf182b2fb7823da8b298a45aa3697726369e
=> [internal] load build context
=> => transferring context: 264B
=> [2/4] RUN pip install flask -i https://pypi.tuna.tsinghua.edu.cn/simple
=> [3/4] ADD ./app.py /opt
=> [4/4] WORKDIR /opt
=> exporting to image
=> => exporting layers
=> => writing image sha256:02fffe984f7cd4eb668fa6dd445752b6c66516401ea72d9c6f70c260565f267
=> => naming to docker.io/10215501435/demo
[root@10-23-17-51 demo2]# docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
10215501435/demo    latest             02fffe984f7c       42 seconds ago     929MB
hello-world         latest             9c7a54a9a43c       4 months ago       13.3kB
busybox             latest             e4db68de4ff2       4 years ago         1.22MB
centos              latest             1e1148e4cc2c       4 years ago         202MB
cloud_computing/static_site latest             f01030e1dcf3       7 years ago         134MB
[root@10-23-17-51 demo2]# docker build -t yangxiya/demo .
[+] Building 0.2s (9/9) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 529B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/python:latest
=> [1/4] FROM docker.io/library/python:latest@sha256:11454cd11137f54f2c91a624ab16b88d6dd31092a6f7fa267dea5e21b9f8a77
=> [internal] load build context
=> => transferring context: 88B
=> CACHED [2/4] RUN pip install flask -i https://pypi.tuna.tsinghua.edu.cn/simple
=> CACHED [3/4] ADD ./app.py /opt
=> CACHED [4/4] WORKDIR /opt
=> exporting to image
=> => exporting layers
=> => writing image sha256:02fffe984f7cd4eb668fa6dd445752b6c66516401ea72d9c6f70c260565f267
=> => naming to docker.io/yangxiya/demo
[root@10-23-17-51 demo2]# docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
10215501435/demo    latest             02fffe984f7c       3 minutes ago      929MB
yangxiya/demo       latest             02fffe984f7c       3 minutes ago      929MB
hello-world         latest             9c7a54a9a43c       4 months ago       13.3kB
busybox             latest             e4db68de4ff2       4 years ago         1.22MB
centos              latest             1e1148e4cc2c       4 years ago         202MB
cloud_computing/static_site latest             f01030e1dcf3       7 years ago         134MB
[root@10-23-17-51 demo2]# docker ps -a
CONTAINER ID        IMAGE               NAMES                COMMAND                CREATED             STATUS              PORTS
1be23932870b      cloud_computing/static_site    ". /wrapper.sh"      About an hour ago    Up About an hour    443/tcp, 0.0.0.0:
:::8000->80/tcp,
e151ea3e6ad       cloud_computing/static_site    ". /wrapper.sh"      About an hour ago    Exited (0) About an hour ago
250095a32f0d      centos              competent_kepler      "/bin/bash"           2 hours ago        Exited (127) 2 hours ago
e7b88f44275a      centos              condensing_elgamal    "/bin/bash"           2 hours ago        Exited (0) 2 hours ago
sad_maxwell       "/bin/bash"
a731b5782664      centos              angry_easley          "sh"                   2 hours ago        Exited (0) 2 hours ago
9319eb96f3f9      centos              admiring_williamson   "/bin/bash"           2 hours ago        Exited (0) 2 hours ago
f60cf64e848      busybox             admiring_williamson   "sh"                   3 hours ago        Exited (0) 3 hours ago
elastic_hypatia   "sh"
fleae77aa78       hello-world         elastic_hypatia       "/hello"               3 hours ago        Exited (0) 3 hours ago
vigilant_joliot   "/hello"
[root@10-23-17-51 demo2]# docker run yangxiya/demo
* Serving Flask app 'app'
* Debug mode: off
```

名称 所有会话
类型 文件夹
子项目 0
主机
端口 22
协议 SSH
用户名
说明

ssh://root@113.31.112.200:22

113.31.112.200:22 - root@10-23-17-51:~demo2 - Xshell 7 (Free for Home/School)

文件(F) 编辑(E) 查看(V) 工具(T) 选项(O) 窗口(W) 帮助(H)

ssh://root@113.31.112.200:22

会话管理器

113.31.112.200:22

```
cloud_computing/static_site latest f01030e1dcf3 7 years ago 134MB
[root@10-23-17-51 demo2]# docker build -t yangxiya/demo .
[+] Building 0.2s (9/9) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 529B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/python:latest
=> [1/4] FROM docker.io/library/python:latest@sha256:11454cd11137f54f2c91a624ab16b88d6dd31092a6f7fa267dea5e21b9f8a77
=> [internal] load build context
=> => transferring context: 88B
=> CACHED [2/4] RUN pip install flask -i https://pypi.tuna.tsinghua.edu.cn/simple
=> CACHED [3/4] ADD ./app.py /opt
=> CACHED [4/4] WORKDIR /opt
=> exporting to image
=> => exporting layers
=> => writing image sha256:02fffe984f7cd4eb668fa6dd445752b6c66516401ea72d9c6f70c260565f267
=> => naming to docker.io/yangxiya/demo
[root@10-23-17-51 demo2]# docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
10215501435/demo    latest             02fffe984f7c       3 minutes ago      929MB
yangxiya/demo       latest             02fffe984f7c       3 minutes ago      929MB
hello-world         latest             9c7a54a9a43c       4 months ago       13.3kB
busybox             latest             e4db68de4ff2       4 years ago         1.22MB
centos              latest             1e1148e4cc2c       4 years ago         202MB
cloud_computing/static_site latest             f01030e1dcf3       7 years ago         134MB
[root@10-23-17-51 demo2]# docker ps -a
CONTAINER ID        IMAGE               NAMES                COMMAND                CREATED             STATUS              PORTS
1be23932870b      cloud_computing/static_site    ". /wrapper.sh"      About an hour ago    Up About an hour    443/tcp, 0.0.0.0:
:::8000->80/tcp,
e151ea3e6ad       cloud_computing/static_site    ". /wrapper.sh"      About an hour ago    Exited (0) About an hour ago
250095a32f0d      centos              competent_kepler      "/bin/bash"           2 hours ago        Exited (127) 2 hours ago
e7b88f44275a      centos              condensing_elgamal    "/bin/bash"           2 hours ago        Exited (0) 2 hours ago
sad_maxwell       "/bin/bash"
a731b5782664      centos              angry_easley          "sh"                   2 hours ago        Exited (0) 2 hours ago
9319eb96f3f9      centos              admiring_williamson   "/bin/bash"           2 hours ago        Exited (0) 2 hours ago
f60cf64e848      busybox             admiring_williamson   "sh"                   3 hours ago        Exited (0) 3 hours ago
elastic_hypatia   "sh"
fleae77aa78       hello-world         elastic_hypatia       "/hello"               3 hours ago        Exited (0) 3 hours ago
vigilant_joliot   "/hello"
[root@10-23-17-51 demo2]# docker run yangxiya/demo
* Serving Flask app 'app'
* Debug mode: off
```

名称 所有会话
类型 文件夹
子项目 0
主机
端口 22
协议 SSH
用户名
说明

ssh://root@113.31.112.200:22

113.31.112.200-22 - Xshell 7 (Free for Home/School)

会话管理器

113.31.112.200-22

```
[root@10-23-17-51 demo2]# docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
ee37ca7e723d	yangxiya/demo	"/bin/bash -c 'pytho..."	10 seconds ago	Exited (0) 7 seconds ago	
1be23932870b	cloud_computing/static_site	"./wrapper.sh"	About an hour ago	Up About an hour	443/tcp,
0.0.0.0:8000->80/tcp, :::8000->80/tcp	10215501435				
e151eaa3e6ad	cloud_computing/static_site	"./wrapper.sh"	About an hour ago	Exited (0) About an hour ago	
250095a32f0d	centos	"/bin/bash"	2 hours ago	Exited (127) 2 hours ago	
e7b88f44275a	centos	condescending_elgamal	2 hours ago	Exited (0) 2 hours ago	
a731b5782664	centos	sad_maxwell	2 hours ago	Exited (0) 2 hours ago	
9319eb96f3f9	centos	"sh"	2 hours ago	Exited (0) 2 hours ago	
f66c0f64e848	centos	angry_easley	2 hours ago	Exited (0) 2 hours ago	
f1eae77aa78	busybox	admining_williamson	3 hours ago	Exited (0) 3 hours ago	
	elastic_hypatia	"sh"	3 hours ago	Exited (0) 3 hours ago	
	hello-world	elastic_hypatia	3 hours ago	Exited (0) 3 hours ago	

```
[root@10-23-17-51 demo2]# docker run -d -p 8080:5000 --name yangxiya yangxiya/demo
```

```
ac384f3dd4d3eabcf539e1f199fac9cadd8ca452945a86665042d359bfaa8
```

```
[root@10-23-17-51 demo2]#
```

```
app.py Dockerfile
```

```
[root@10-23-17-51 demo2]# docker ps -a
```

CONTAINER ID	IMAGE	NAMES	COMMAND	CREATED	STATUS	PORTS
ac384f3dd4d3	yangxiya/demo		"/bin/bash -c 'pytho..."	About an hour ago	Up About an hour	0.0.0.0:8080->5000/tcp, :::8080->5000/tcp
ee37ca7e723d	yangxiya/demo	yangxiya	"/bin/bash -c 'pytho..."	2 hours ago	Exited (0) 2 hours ago	
1be23932870b	cloud_computing/static_site	zen_williamson	"./wrapper.sh"	3 hours ago	Up 3 hours	443/tcp, 0.0.0.0:8000->80/tcp, :::8000->80/tcp
e151eaa3e6ad	cloud_computing/static_site		"./wrapper.sh"	3 hours ago	Exited (0) 3 hours ago	
250095a32f0d	centos	competent_kepler	"/bin/bash"	4 hours ago	Exited (127) 4 hours ago	
e7b88f44275a	centos	condescending_elgamal	"/bin/bash"	4 hours ago	Exited (0) 4 hours ago	

名称 所有会话

类型 文件夹

子项目 0

主机 22

端口 SSH

用户名

说明

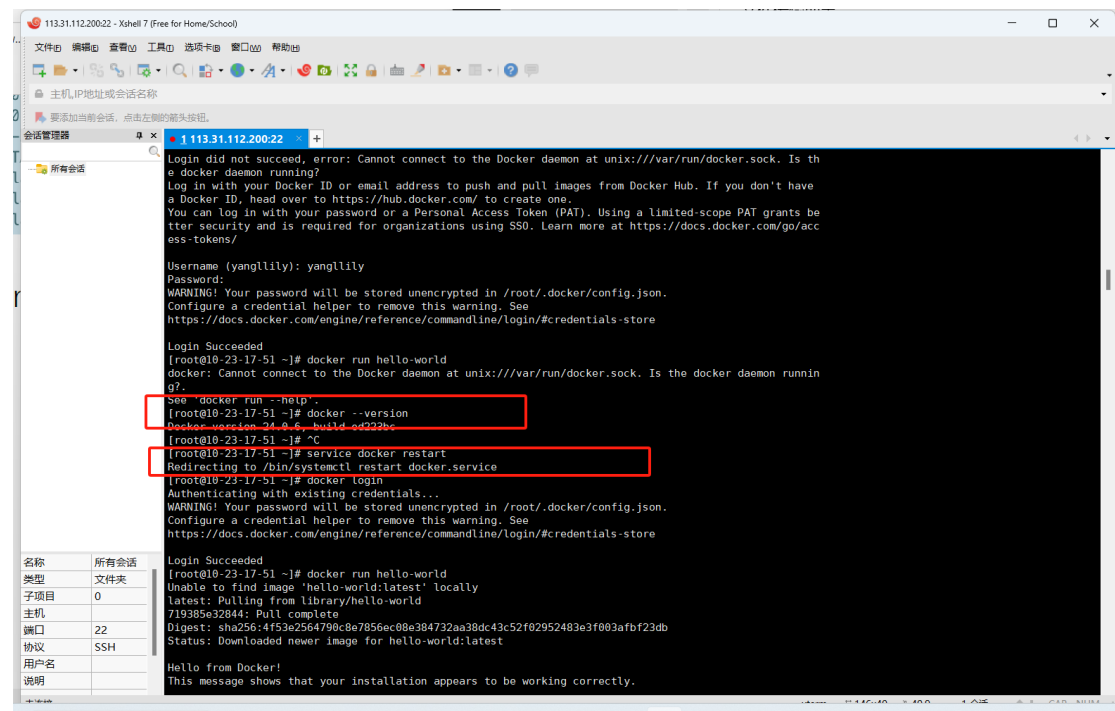
113.31.112.200:8080/

113.31.112.200:8080

hello world!

Attention:

运行不出 docker run 指令但是查看 docker --version 发现安装成功的话, 试试 service docker restart 然后再 login 一遍 (经其他同学检验有效)



```
113.31.112.200:22 - Xshell 7 (Free for Home/School)
文件(F) 编辑(E) 查看(V) 工具(T) 选项(O) 窗口(W) 帮助(H)
主机地址/端口/会话名称
会话管理器
113.31.112.200:22
Login did not succeed, error: Cannot connect to the Docker daemon at unix:///var/run/docker.sock. Is the docker daemon running?
Log in with your Docker ID or email address to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com/ to create one.
You can log in with your password or a Personal Access Token (PAT). Using a limited-scope PAT grants better security and is required for organizations using SSO. Learn more at https://docs.docker.com/go/access-tokens/

Username (yangllily): yangllily
Password:
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
[root@10-23-17-51 ~]# docker run hello-world
docker: Cannot connect to the Docker daemon at unix:///var/run/docker.sock. Is the docker daemon running?

See 'docker run --help'.
[root@10-23-17-51 ~]# docker --version
Docker version 24.0.6, build ed322bc
[root@10-23-17-51 ~]# ^C
[root@10-23-17-51 ~]# service docker restart
Redirecting to /bin/systemctl restart docker.service
[root@10-23-17-51 ~]# docker login
Authenticating with existing credentials...
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
[root@10-23-17-51 ~]# docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
719385e32844: Pull complete
Digest: sha256:4f53e2564790c8e7856ec08e384732aa38dc43c52f02952483e3f083afb23db
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.
```

名称	所有会话
类型	文件夹
子项目	0
主机	
端口	22
协议	SSH
用户名	
说明	