A2-Port Binding

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\prati> ssh -i .\Downloads\linux123.pem ubuntu@52.90.148.5
The authenticity of host '52.90.148.5 (52.90.148.5)' can't be established.
ED25519 key fingerprint is SHA256:4o/YGxWOWaRe+o3+3awcD62Ky2bMFhq8rsUjmgW3ALk.
This host key is known by the following other names/addresses:
    C:\Users\prati/.ssh/known_hosts:1: 18.212.229.90
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '52.90.148.5' (ED25519) to the list of known hosts.
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-1012-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

 System information as of Wed Oct  1 05:05:18 UTC 2025

  System load:  0.08              Processes:             116
  Usage of /:   56.7% of 6.71GB   Users logged in:       1
  Memory usage: 25%               IPv4 address for enX0: 172.31.22.255
  Swap usage:   0%


Expanded Security Maintenance for Applications is not enabled.

23 updates can be applied immediately.
11 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

1 additional security update can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm


The list of available updates is more than a week old.
To check for new updates run: sudo apt update

Last login: Wed Oct  8 16:02:45 2025 from 42.104.226.120
ubuntu@ip-172-31-22-255:~$ sudo su
root@ip-172-31-22-255:/home/ubuntu# docker run -d -e MYSQL_ROOT_PASSWORD=pratik01 -p 3306:3306 --name mysqlcont mysql
6e0d79ae106dddd81b88e8db00ee4845b0daa19963e45144d5d532079edf7ab52
root@ip-172-31-22-255:/home/ubuntu#
```

```
Last login: Wed Oct  8 16:02:45 2025 from 42.104.226.120
ubuntu@ip-172-31-22-255:~$ sudo su
root@ip-172-31-22-255:/home/ubuntu# docker run -d -e MYSQL_ROOT_PASSWORD=pratik01 -p 3306:3306 --name mysqlcont mysql
6e0d79ae106dddd81b88e8db00ee4845b0daa19963e45144d5d532079edf7ab52
root@ip-172-31-22-255:/home/ubuntu#
root@ip-172-31-22-255:/home/ubuntu# docker ps
CONTAINER ID   IMAGE   COMMAND                 CREATED          STATUS          PORTS                                                              NAMES
6e0d79ae106d   mysql   "docker-entrypoint.s…"  51 seconds ago   Up 50 seconds   0.0.0.0:3306->3306/tcp, :::3306->3306/tcp, 33060/tcp               mysqlcont
root@ip-172-31-22-255:/home/ubuntu# docker exec -it mysqlcont
"docker exec" requires at least 2 arguments.
See 'docker exec --help'.

Usage:  docker exec [OPTIONS] CONTAINER COMMAND [ARG...]

Execute a command in a running container
root@ip-172-31-22-255:/home/ubuntu# docker client_loop: ssh_packet_write_poll: Connection to 52.90.148.5 port 22: Connection aborted
PS C:\Users\prati> ssh -i .\Downloads\linux123.pem ubuntu@52.90.148.5
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-1012-aws x86_64)

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 System information as of Thu Oct 23 06:25:01 UTC 2025

  System load:  0.0               Processes:             123
  Usage of /:   59.9% of 6.71GB   Users logged in:       1
  Memory usage: 70%               IPv4 address for enX0: 172.31.22.255
  Swap usage:   0%


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```
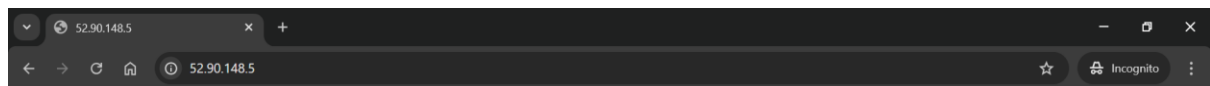
```
Database changed
mysql> create table t1(id int,name varchar(10));
Query OK, 0 rows affected (0.031 sec)

mysql> ext
    -> exit;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'ext
exit' at line 1
mysql> exit;
Bye
bash-5.1# exit
exit
root@ip-172-31-22-255:/home/ubuntu# docker run -d -p 80:80 --name mynginxserver nginx
77148d65cb2dda128cef3dc87a7224736439d404c4d59b0615fd07887a1a2203
root@ip-172-31-22-255:/home/ubuntu# docker ps
CONTAINER ID   IMAGE    COMMAND                 CREATED          STATUS          PORTS                                            NAMES
77148d65cb2d   nginx    "/docker-entrypoint..."  15 seconds ago   Up 14 seconds   0.0.0.0:80->80/tcp, :::80->80/tcp                mynginxserver
6e0d79ae106d   mysql    "docker-entrypoint.s..."  23 minutes ago   Up 23 minutes   0.0.0.0:3306->3306/tcp, :::3306->3306/tcp, 33060/tcp   mysqlcont
root@ip-172-31-22-255:/home/ubuntu# docker exec -it mynginxserver bash
root@77148d65cb2d:/# ls
bin  boot  dev  docker-entrypoint.d  docker-entrypoint.sh  etc  home  lib  lib64  media  mnt  opt  proc  root  run  sbin  srv  sys  tmp  usr  var
root@77148d65cb2d:/# cd/user/share/nginx/html
bash: cd/user/share/nginx/html: No such file or directory
root@77148d65cb2d:/#
root@77148d65cb2d:/# ls
bin  boot  dev  docker-entrypoint.d  docker-entrypoint.sh  etc  home  lib  lib64  media  mnt  opt  proc  root  run  sbin  srv  sys  tmp  usr  var
root@77148d65cb2d:/# cd /user/share/nginx/html
bash: cd: /user/share/nginx/html: No such file or directory
root@77148d65cb2d:/# cd /user/prati/nginx/html
bash: cd: /user/prati/nginx/html: No such file or directory
root@77148d65cb2d:/# cd /usr/prati/nginx/html
bash: cd: /usr/prati/nginx/html: No such file or directory
root@77148d65cb2d:/# cd /usr/share/nginx/html
root@77148d65cb2d:/usr/share/nginx/html#
root@77148d65cb2d:/usr/share/nginx/html# ls
50x.html  index.html
root@77148d65cb2d:/usr/share/nginx/html#
root@77148d65cb2d:/usr/share/nginx/html# echo "Hello from nginx server!!" > index.html
echo "Hello from nginx serverls" > index.html
root@77148d65cb2d:/usr/share/nginx/html#
root@77148d65cb2d:/usr/share/nginx/html# cat index.html
Hello from nginx serverls
root@77148d65cb2d:/usr/share/nginx/html# curl http://localhost:80
Hello from nginx serverls
```

52.90.148.5

Hello from nginx serverles