

Tue Sep 24 17:02

BoxBuddy

- ubuntu
- java

Open Terminal

Upgrade Box

View Applications

Install .deb File

Clone Box

Delete Box

Files

Recent

Starred

bin

1 item Today 16:48

Dockerfile

```

FROM mcr.microsoft.com/dotnet/sdk:8.0 AS build-env
WORKDIR /aspnetcoreapp
# Copy everything
COPY . .
# Restore as distinct layers
RUN dotnet restore
# Build and publish a release
RUN dotnet publish -c Release -o out

```

forlogic@fedora:~/source/repos/comp2084-24f-13202/week-4-in-class-activity/aspnetcoreapp

```

=> [build-env 5/5] RUN dotnet publish -c Release -o out          4.4s
=> [stage-1 3/3] COPY --from=build-env /aspnetcoreapp/out .      0.3s
=> exporting to image                                         0.3s
=> => exporting layers                                         0.2s
=> => writing image sha256:6a238fdf977fc780795e139f091ff0439f289c62abcd3c466c393d7c40032293 0.0s
=> => naming to docker.io/library/class-activity-image        0.0s

```

comp2084-24f-13202/week-4-in-class-activity/aspnetcoreapp on **main** [?] via .NET v8.0.108 net8.0 took 28s

```

> docker create --name class-activity class-activity-image
06a71286541eb0cff2ae938a47eaebcb523031115f6915c43ccf47daa8d759d

```

comp2084-24f-13202/week-4-in-class-activity/aspnetcoreapp on **main** [?] via .NET v8.0.108 net8.0

```

> docker start class-activity
class-activity

```

comp2084-24f-13202/week-4-in-class-activity/aspnetcoreapp on **main** [?] via .NET v8.0.108 net8.0

```

> docker ps -a

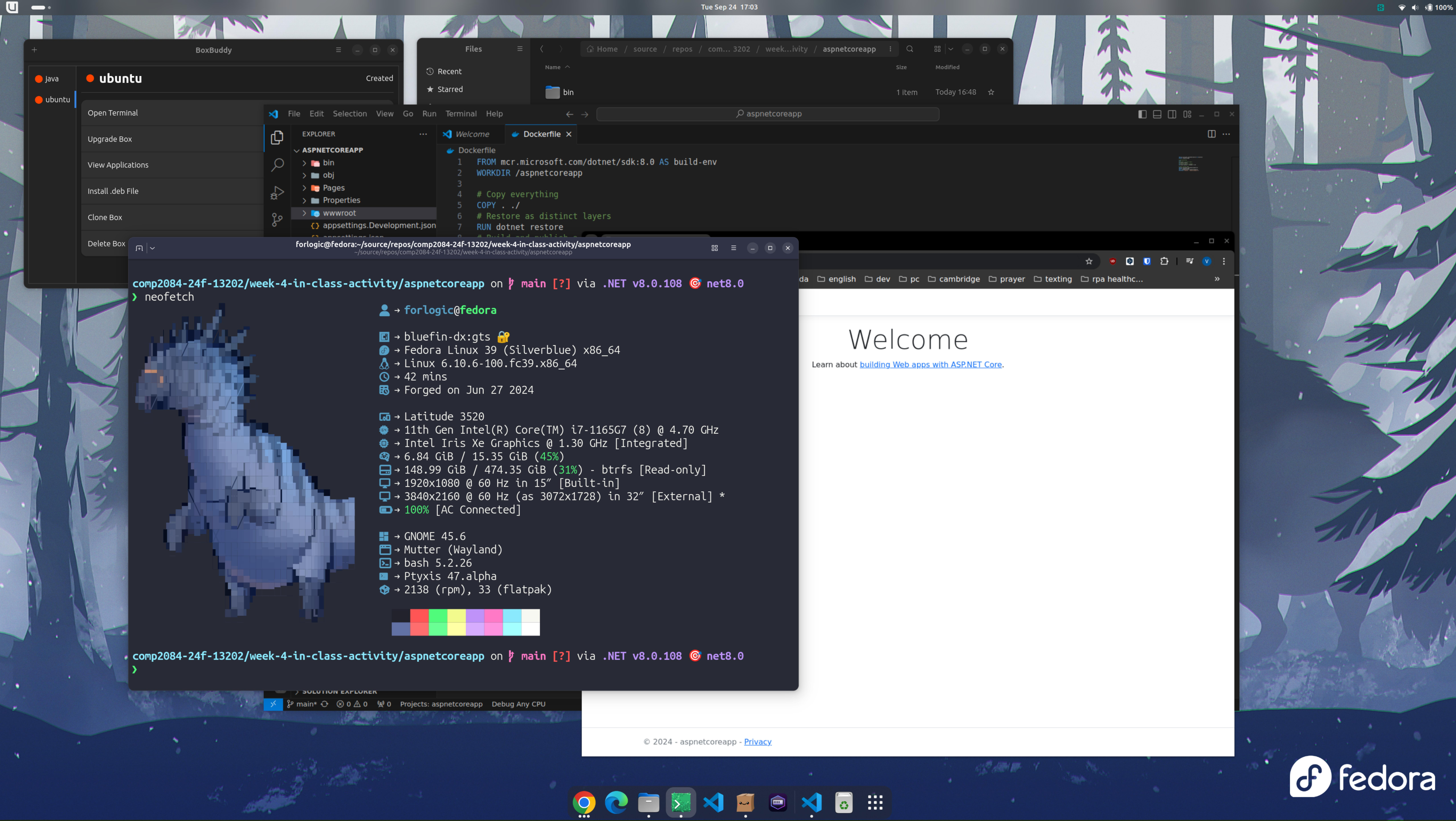
```

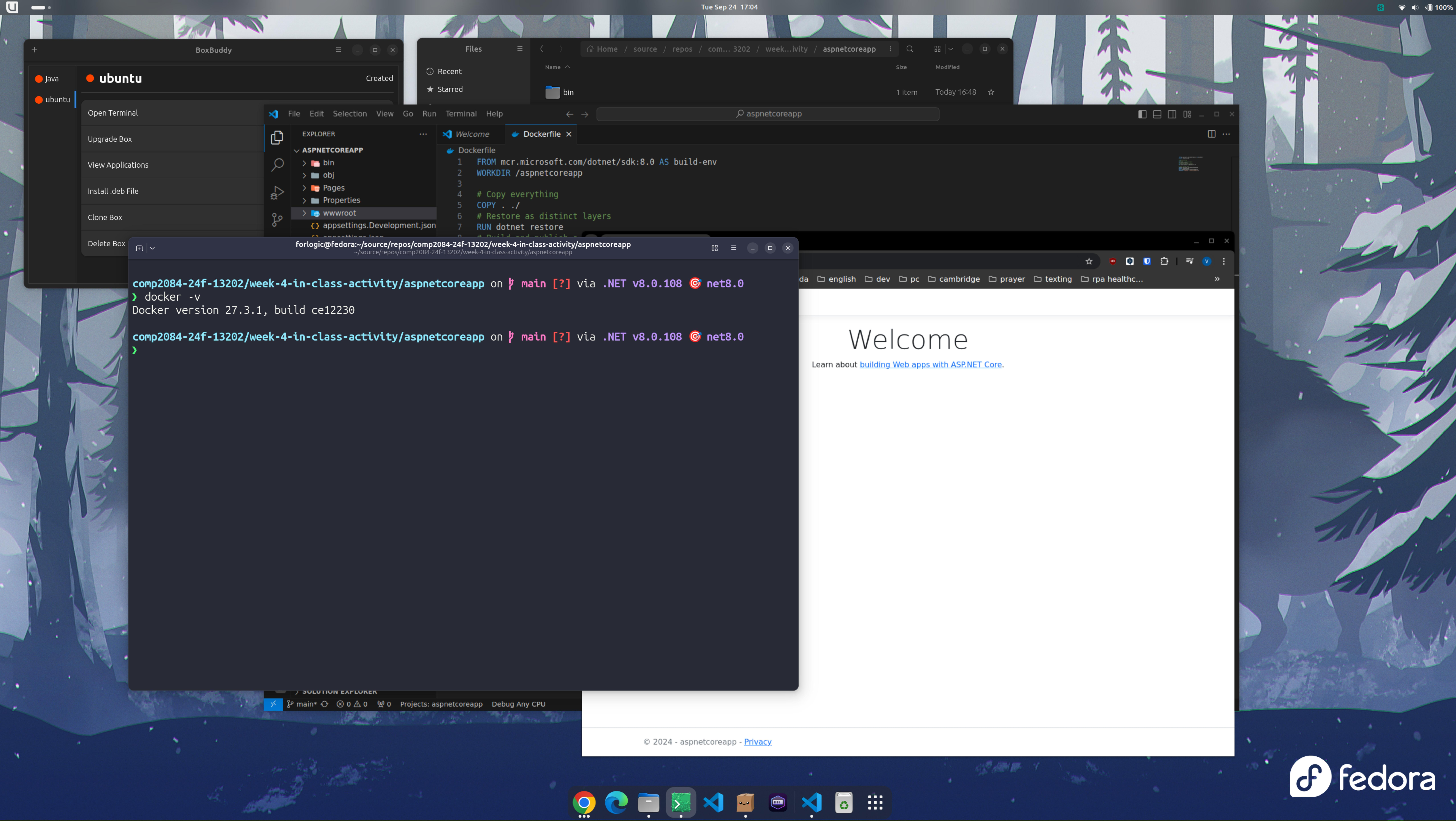
| CONTAINER ID | IMAGE | COMMAND | CREATED | STATUS | PORTS | NAMES |
|--------------|---|--------------------------|----------------|-------------------------|-------|--------------------------|
| 06a71286541e | class-activity-image | "dotnet aspnetcoreap..." | 46 seconds ago | Up 4 seconds | | class-activity |
| ac8ca9cc5232 | vsc-my-benchmarks-b3d505e714b9cc1137175643f1a920f100848fb715136b457340f968885a247e-uid | "/bin/sh -c 'echo Co..." | 6 weeks ago | Exited (0) 6 weeks ago | | dreamy_keldysh |
| fba08e9d6bd9 | mcr.microsoft.com/devcontainers/dotnet:1-8.0-bookworm | "/bin/sh -c 'echo Co..." | 6 weeks ago | Exited (0) 6 weeks ago | | adoring_hellman |
| 8cae9095da54 | vsc-mini-exercise-4temp-9879e1bab931411aef0797e529bfbd2baa328c7c4d51b9ba2af252c6ed036c-features-uid | "/bin/sh -c 'echo Co..." | 7 weeks ago | Exited (0) 7 weeks ago | | admiring_black |
| fefef8c4336c | vsc-mini-exercise-4-c469cbc5042a684d3f09f299f89d8a07d506edf6fd7deb972d212543d842b3-features-uid | "/bin/sh -c 'echo Co..." | 7 weeks ago | Exited (0) 7 weeks ago | | infallible_cray |
| c981077a398b | vsc-mini-exercise-3-81a24873095cccd95cccc8645f7510397de165d3dc894989a169c050f7e990ab7-features-uid | "/bin/sh -c 'echo Co..." | 2 months ago | Exited (0) 2 months ago | | nifty_hugle |
| 0ce57c08e813 | mysql:8.0 | "docker-entrypoint.s..." | 2 months ago | Exited (0) 2 months ago | | assignment-2-mysql-1 |
| 2a3ef249e602 | nginx:alpine | "/docker-entrypoint..." | 2 months ago | Exited (0) 2 months ago | | assignment-2-webserver-1 |
| 6c695a92f690 | assignment-2-php-fpm | "/usr/sbin/php-fpm8..." | 2 months ago | Exited (0) 2 months ago | | assignment-2-php-fpm-1 |
| 96e312c42610 | vsc-assignment-2-d309f79c64dd0fcb542ca4855528a40095471987926673797f6bf8848d1bb85b-features-uid | "/bin/sh -c 'echo Co..." | 2 months ago | Exited (0) 2 months ago | | interesting_feynman |
| 08ddbdb47fc9 | vsc-poc-java-b9481256820eaee3c936b47f374bd10233c2e84653452f3c35f41dad1ee399e9-features-uid | "/bin/sh -c 'echo Co..." | 2 months ago | Exited (0) 2 months ago | | gracious_bhaskara |

comp2084-24f-13202/week-4-in-class-activity/aspnetcoreapp on **main** [?] via .NET v8.0.108 net8.0

>

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BoxBuddy

ubuntu

- Open Terminal
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- View Applications
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- Clone Box
- Delete Box

```

COMMAND
06a71286541e  class-...
"dotnet a...
ac8ca9cc5232  vsc-my...
"/bin/sh
fba08e9d6bdf  mcr.mi...
"/bin/sh
8cae9095da54  vsc-mi...
tures-uid  "/bin/sh
fefef8c4336c  vsc-mi...
s-uid  "/bin/sh
c981077a398b  vsc-mi...
s-uid  "/bin/sh
0ce57c08e813  mysql:...
"docker-e...
-1
2a3ef249e602  nginx:...
"/docker-e...
rver-1
6c695a92f690  assign...
"/usr/sbin
pm-1
96e312c42610  vsc-as...
id  "/bin/sh
n
08ddbdb47fcf  vsc-po...
"/bin/sh

comp2084-24f-13202/we...

```

vm-comp2084-24f-13202

Overview

Essentials

| | | | |
|---|--|------------------------|--|
| Resource group (move) | : rg-comp2084-24f-13202 | Operating system | : Linux (ubuntu 24.04) |
| Status | : Running | Size | : Standard B1s (1 vcpu, 1 GiB memory) |
| Location | : Canada Central | Public IP address | : 52.139.24.124 |
| Subscription (move) | : Azure for Students | Virtual network/subnet | : vm-comp2084-24f-13202-vnet/default |
| Subscription ID | : ff8f2d0f-31fc-4022-b57f-a73b3d21aa9d | DNS name | : Not configured |
| | | Health state | : ⚠️ Unhealthy |
| | | Time created | : 9/24/2024, 9:37 PM UTC |

Tags ([edit](#)) : [Add tags](#)

Properties Monitoring Capabilities (7) Recommendations Tutorials

Virtual machine

| | |
|----------------------------|-----------------------|
| Computer name | vm-comp2084-24f-13202 |
| Operating system | Linux (ubuntu 24.04) |
| VM generation | V2 |
| VM architecture | x64 |
| Agent status | Ready |
| Agent version | 2.11.1.12 |
| Hibernation | Disabled |
| Host group | - |
| Host | - |
| Proximity placement group | - |
| Colocation status | N/A |
| Capacity reservation group | - |
| Disk controller type | SCSI |

Azure Spot

| | |
|----------------------------|---|
| Azure Spot | - |
| Azure Spot eviction policy | - |

Availability + scaling

| | |
|--|---|
| Availability zone (edit) | - |
| Availability set | - |
| Scale Set | - |

Security type

| | |
|----------------------|----------------|
| Security type | Trusted launch |
| Enable secure boot | Enabled |
| Enable vTPM | Enabled |
| Integrity monitoring | Disabled |

Networking

| | |
|---------------------------|---|
| Public IP address | 52.139.24.124 (Network interface vm-comp2084-24f-13202-292) |
| Public IP address (IPv6) | - |
| Private IP address | 10.0.0.4 |
| Private IP address (IPv6) | - |
| Virtual network/subnet | vm-comp2084-24f-13202-vnet/default |
| DNS name | Configure |

Size

| | |
|-------|--------------|
| Size | Standard B1s |
| vCPUs | 1 |
| RAM | 1 GiB |

Source image details

| | |
|------------------------|------------------|
| Source image publisher | canonical |
| Source image offer | ubuntu-24_04-lts |
| Source image plan | server |

Disk

| | |
|-----------------------|--|
| OS disk | vm-comp2084-24f-13202_disk1_eb65ccba0f4046d2b8512e35ad34ea10 |
| Encryption at host | Disabled |
| Azure disk encryption | Not enabled |
| Ephemeral OS disk | N/A |
| Data disks | 0 |

Auto-shutdown

| | |
|--------------------|-------------|
| Auto-shutdown | Not enabled |
| Scheduled shutdown | - |

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Tue Sep 24 17:46

BoxBuddy

Native SSH - Microsoft Azure

portal.azure.com/#@georgiancollege.onmicrosoft.com/resource/subscriptions/ff8f2d0f-31fc-4022-b57f-a73b3d21aa9d/resourcegroups/rg-comp2084-24f-13202/providers/Microsoft...

ubuntu

Open Terminal

Upgrade Box

View Applications

Install .deb

Clone Box

Delete Box

Support: <https://ubuntu.com/pro>

System information as of Tue Sep 24 21:46:15 UTC 2024

| | |
|-----------------------------|---------------------------------|
| System load: 0.08 | Processes: 111 |
| Usage of /: 5.1% of 28.02GB | Users logged in: 0 |
| Memory usage: 30% | IPv4 address for eth0: 10.0.0.4 |
| Swap usage: 0% | |

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See <https://ubuntu.com/esm> or run: sudo pro status

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

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

azureuser@vm-comp2084-24f-13202:~\$

Native SSH

Connect from your local machine (Windows)

Switch local machine OS ▾

1 Configure prerequisites for Native SSH

Azure needs to configure some features in order to connect to the VM.

Prerequisites configured

Port 22 access

Port 22 on this virtual machine is accessible from the local machine IP (99.251.197.40). [Learn more](#)

Change the port for connecting to this virtual machine on the Connect page of the virtual machine.

Public IP address: 52.139.24.124

A public IP address is required to connect via this connection method.

Configured

2 Open a local shell (on Windows)

Open Terminal (Windows 11), PowerShell (Windows 10 or less), or a shell of your choice. Or switch the local machine OS above to view more instructions.

3 Copy and execute SSH command

Provide a path to your SSH private key file on your local machine.

~/ssh/id_rsa.pem

Can't find your private key? [Reset your SSH private key](#)

SSH to VM with specified private key.

ssh -i ~/ssh/id_rsa.pem azureuser@52.139.24.124

Copied

Other Information

Using a Linux subsystem like WSL or Ubuntu on Terminal?

Copy your private key path to the Linux subsystem and ensure it has the correct read-only access.

Move your private key to the Linux subsystem. Use chmod to assign read-only access, then SSH.

mv /mnt/c/<your-private-key> ~/ssh/

chmod 400 ~/ssh/<your-private-key>

ssh -i ~/ssh/<your-private-key> azureuser@52.139.24.124

Close Troubleshooting Give feedback

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chrome icon

VS Code icon

File icon

Terminal icon

Recycle Bin icon

PowerShell icon

Task View icon

fedora logo

Tue Sep 24 17:53

The screenshot shows a Windows desktop environment with a dark theme. In the center, there's a terminal window titled "ubuntu" with a red border. It displays a command-line session for an "azureuser" on a virtual machine. The user runs several commands to restart services and check Docker status. A tooltip from "BoxBuddy" is visible over the terminal window, providing options like "Open Terminal", "Upgrade Box", "View Applications", "Install .deb", "Clone Box", and "Delete Box". To the right of the terminal is a "Native SSH" configuration dialog from Microsoft Azure. It shows steps for connecting from a local machine: 1. Prerequisites configured (Port 22 access, Public IP address: 52.139.24.124), 2. Open a local shell (on Windows), and 3. Copy and execute SSH command (ssh -i ~/ssh/id_rsa.pem azureuser@52.139.24.124). The "Copy" button for the command has been clicked. At the bottom of the dialog are "Close", "Troubleshooting", and "Give feedback" buttons. The desktop taskbar at the bottom includes icons for Google Chrome, Edge, File Explorer, VS Code, and other system tools. The system tray in the top right corner shows battery level (100%), signal strength, and other system icons.

BoxBuddy

ubuntu

Open Terminal

Upgrade Box

View Applications

Install .deb

Clone Box

Delete Box

java

ubuntu

Native SSH - Microsoft Edge

portal.azure.com/#@georgiancollege.onmicrosoft.com/resource/subscriptions/ff8f2d0f-31fc-4022-b57f-a73b3d21aa9d/resourcegroups/rg-comp2084-24f-13202/providers/Microsoft...

Microsoft Azure

Home > CreateVm-canonical.ubuntu-24_04-lts-server-20240924172602 | Overview > vm-comp2084-24f-13202

vm-comp2084-24f-13202 | Connect

azureuser@vm-comp2084-24f-13202: ~ — sudo ssh -i /var/home/forlogic/.ssh/azuredefaultssh.pem azureuser@52.139.24.124

```
azureuser@vm-comp2084-24f-13202: ~ — sudo ssh -i /var/home/forlogic/.ssh/azuredefaultssh.pem azureuser@52.139.24.124
```

systemctl restart networkd-dispatcher.service
systemctl restart unattended-upgrades.service

No containers need to be restarted.

User sessions running outdated binaries:
azureuser @ user manager service: systemd[1676]

No VM guests are running outdated hypervisor (qemu) binaries on this host.

azureuser@vm-comp2084-24f-13202: ~\$ sudo systemctl status docker

● docker.service - Docker Application Container Engine

 Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; preset: enabled)
 Active: active (running) since Tue 2024-09-24 21:51:23 UTC; 32s ago
 TriggeredBy: ● docker.socket
 Docs: <https://docs.docker.com>
 Main PID: 10079 (dockerd)
 Tasks: 8
 Memory: 82.0M (peak: 83.6M)
 CPU: 456ms
 CGroup: /system.slice/docker.service
 └─10079 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Sep 24 21:51:21 vm-comp2084-24f-13202 dockerd[10079]: time="2024-09-24T21:51:21.962986515Z" level=info msg="detected 128 CPUs"

Sep 24 21:51:22 vm-comp2084-24f-13202 dockerd[10079]: time="2024-09-24T21:51:22.360522706Z" level=info msg="Loading containerd configuration"

Sep 24 21:51:22 vm-comp2084-24f-13202 dockerd[10079]: time="2024-09-24T21:51:22.922840067Z" level=info msg="Loading containerd configuration"

Sep 24 21:51:22 vm-comp2084-24f-13202 dockerd[10079]: time="2024-09-24T21:51:22.955617040Z" level=warning msg="Not using kernel module interface"

Sep 24 21:51:22 vm-comp2084-24f-13202 dockerd[10079]: time="2024-09-24T21:51:22.955705740Z" level=warning msg="WARNING: using kernel module interface"

Sep 24 21:51:22 vm-comp2084-24f-13202 dockerd[10079]: time="2024-09-24T21:51:22.955717940Z" level=warning msg="WARNING: using kernel module interface"

Sep 24 21:51:22 vm-comp2084-24f-13202 dockerd[10079]: time="2024-09-24T21:51:22.955738640Z" level=info msg="Docker daemon initialized"

Sep 24 21:51:22 vm-comp2084-24f-13202 dockerd[10079]: time="2024-09-24T21:51:22.955865541Z" level=info msg="Daemon has initialized"

Sep 24 21:51:23 vm-comp2084-24f-13202 dockerd[10079]: time="2024-09-24T21:51:23.041862733Z" level=info msg="API listen on 0.0.0.0:2375"

Sep 24 21:51:23 vm-comp2084-24f-13202 systemd[1]: Started docker.service - Docker Application Container Engine.

Native SSH

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Switch local machine OS

Configure prerequisites for Native SSH

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chmod 400 ~/ssh/<your-private-key>

ssh -i ~/ssh/<your-private-key> azureuser@52.139.24.124

Close Troubleshooting Give feedback

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