

```
comp2084-24f-13202/week-4-in-class-activity/aspnetcoreapp on ✘ main [?] via .NET v8.0.108 ⚡ net8.0
> dotnet run
Building...
info: Microsoft.Hosting.Lifetime[14]
      Now listening on: http://localhost:5067
info: Microsoft.Hosting.Lifetime[0]
      Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
      Hosting environment: Development
info: Microsoft.Hosting.Lifetime[0]
      Content root path: /var/home/forlogic/source/repos/comp2084-24f-13202/week-4-in-
```

A browser window titled 'Home page - aspnetcoreapp' is displayed, showing the 'Welcome' page of an ASP.NET Core application. The URL in the address bar is 'localhost:5067'. The page content includes the text 'Welcome' and 'Learn about [building Web apps with ASP.NET Core](#)'. At the bottom, it says '© 2024 - aspnetcoreapp - [Privacy](#)'.



Tue Sep 24 17:02

BoxBuddy

- ubuntu
- java

Open Terminal

Upgrade Box

View Applications

Install .deb File

Clone Box

Delete Box

File Edit Selection View Go Run Terminal Help

EXPLORER

ASPNETCOREAPP

- > bin
- > obj
- > Pages
- > Properties
- > wwwroot
- appsettings.Development.json
- appsettings.json
- aspnetcoreapp.csproj
- aspnetcoreapp.sln

Welcome Dockerfile

```

1 FROM mcr.microsoft.com/dotnet/sdk:8.0 AS build-env
2 WORKDIR /aspnetcoreapp
3
4 # Copy everything
5 COPY . .
6 # Restore as distinct layers
7 RUN dotnet restore
8 # Build and publish a release
9 RUN dotnet publish -c Release -o out
10

```

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

```

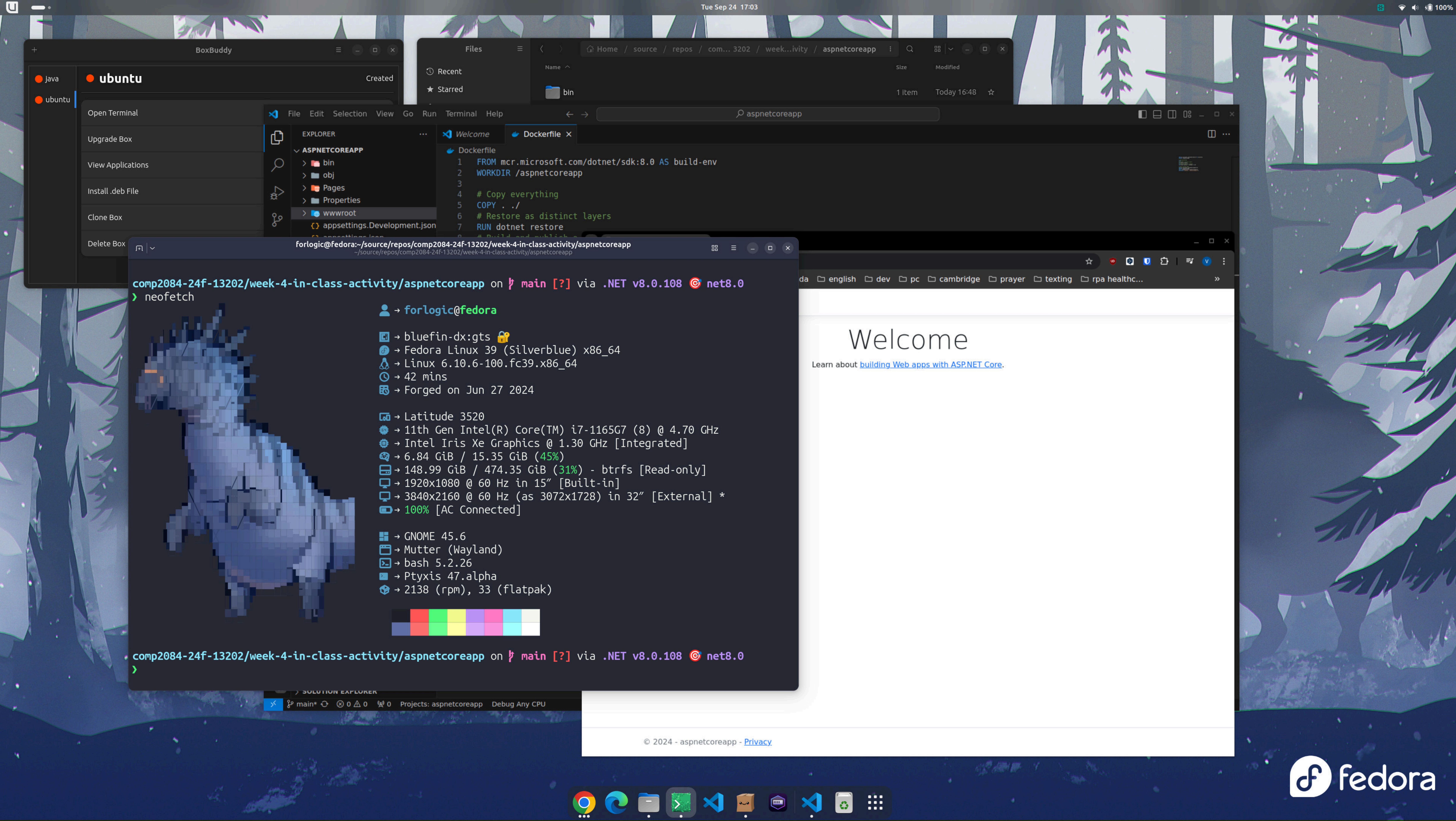
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
06a71286541e	class-activity-image	"dotnet aspnetcoreap..."	46 seconds ago	Up 4 seconds		class-activity
ac8ca9cc5232	vsc-my-benchmarks-b3d505e714b9cc1137175643f1a920f100848fb715136b457340f968885a247e-uid	"/bin/sh -c 'echo Co..."	6 weeks ago	Exited (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-3-81a24873095ccd95cce8645f7510397de165d3dc894989a169c050f7e990ab7-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

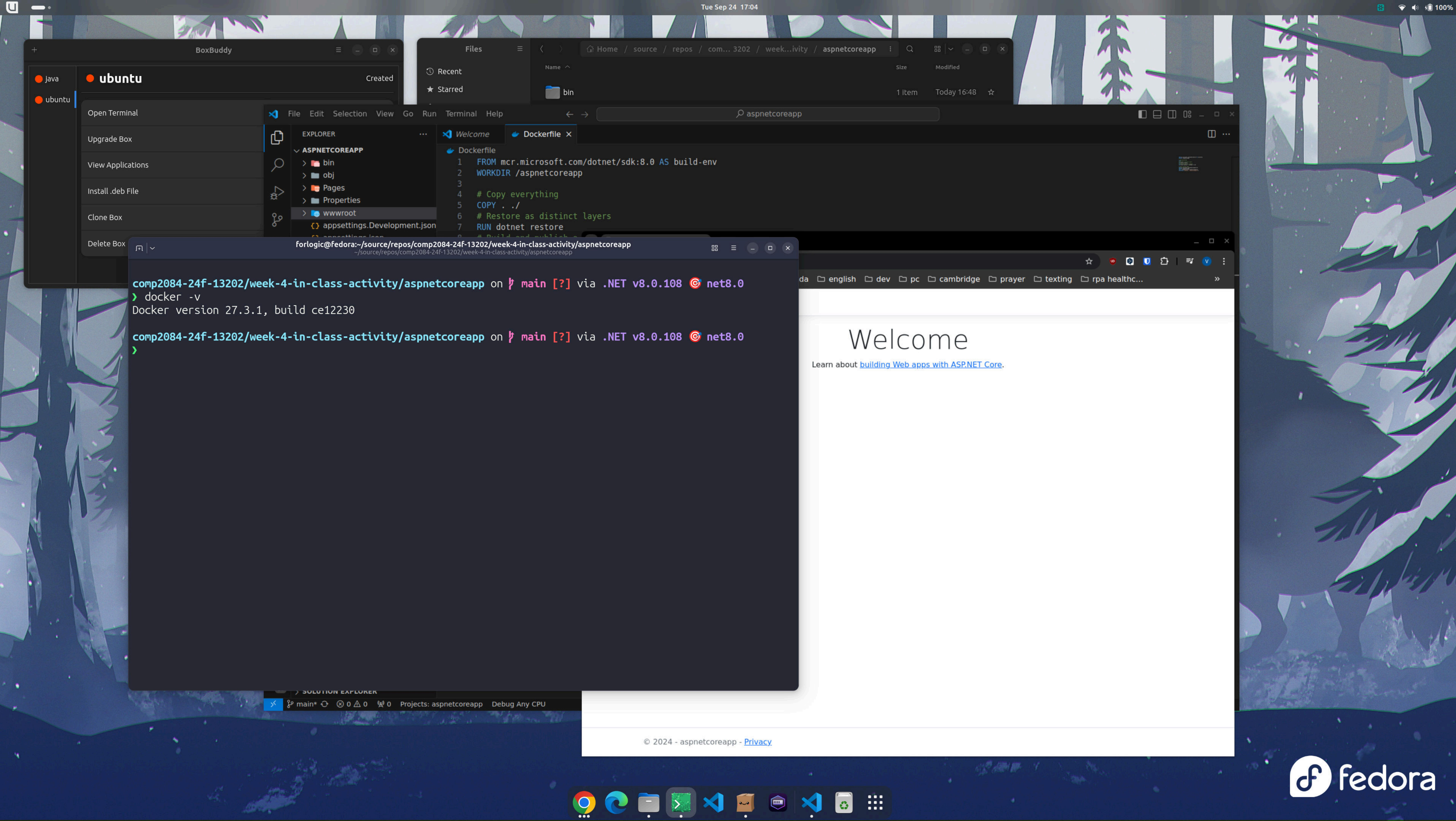
comp2084-24f-13202/week-4-in-class-activity/aspnetcoreapp on **main [?]** via .NET v8.0.108 net8.0

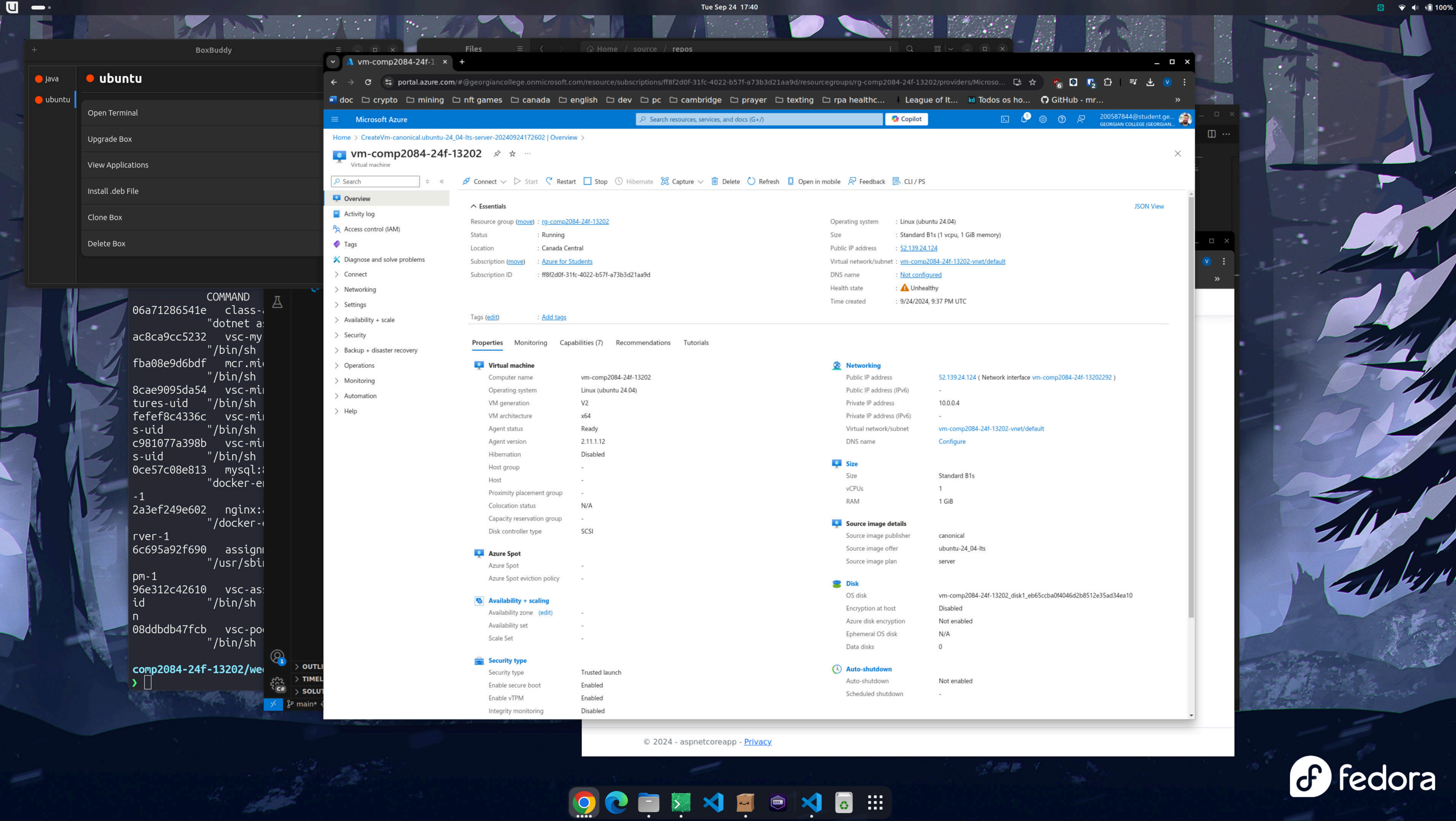
>

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fedora







BoxBuddy

ubuntu

- Open Terminal
- Upgrade Box
- View Applications
- Install .deb
- Clone Box
- Delete Box

Native SSH - Microsoft Azure

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

Microsoft Azure | Search resources, services, and docs (G+)

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

vm-comp2084-24f-13202 | Connect Virtual machine

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

* 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 ▾

- Configure prerequisites for Native SSH**

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

Prerequisites configured

- Port 22 access**
- Public IP address: 52.139.24.124**

Configured

- 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.

- 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

Tue Sep 24 17:53

The screenshot shows a Windows desktop environment with several open windows:

- BoxBuddy**: A sidebar application with tabs for "ubuntu" and "java". The "ubuntu" tab is active, showing a terminal window with the following command output:

```
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 12>
Sep 24 21:51:22 vm-comp2084-24f-13202 dockerd[10079]: time="2024-09-24T21:51:22.360522706Z" level=info msg="Loading con>
Sep 24 21:51:22 vm-comp2084-24f-13202 dockerd[10079]: time="2024-09-24T21:51:22.922840067Z" level=info msg="Loading con>
Sep 24 21:51:22 vm-comp2084-24f-13202 dockerd[10079]: time="2024-09-24T21:51:22.955617040Z" level=warning msg="Not usin>
Sep 24 21:51:22 vm-comp2084-24f-13202 dockerd[10079]: time="2024-09-24T21:51:22.955705740Z" level=warning msg="WARNING:>
Sep 24 21:51:22 vm-comp2084-24f-13202 dockerd[10079]: time="2024-09-24T21:51:22.955717940Z" level=warning msg="WARNING:>
Sep 24 21:51:22 vm-comp2084-24f-13202 dockerd[10079]: time="2024-09-24T21:51:22.955738640Z" level=info msg="Docker daem>
Sep 24 21:51:22 vm-comp2084-24f-13202 dockerd[10079]: time="2024-09-24T21:51:22.955865541Z" level=info msg="Daemon has >
Sep 24 21:51:23 vm-comp2084-24f-13202 dockerd[10079]: time="2024-09-24T21:51:23.041862733Z" level=info msg="API listen >
Sep 24 21:51:23 vm-comp2084-24f-13202 systemd[1]: Started docker.service - Docker Application Container Engine.
```
- Native SSH - Microsoft Edge**: A Microsoft Edge browser window titled "Native SSH - Microsoft Edge" showing the "Native SSH" configuration page for a virtual machine named "vm-comp2084-24f-13202". The page lists steps for configuring prerequisites, opening a local shell, and executing an SSH command. It also includes a "Copy and execute SSH command" section with the command `ssh -i ~/ssh/id_rsa.pem azureuser@52.139.24.124`.
- Taskbar**: The Windows taskbar at the bottom of the screen displays icons for various applications, including Google Chrome, Microsoft Edge, File Explorer, Visual Studio Code, and others.