

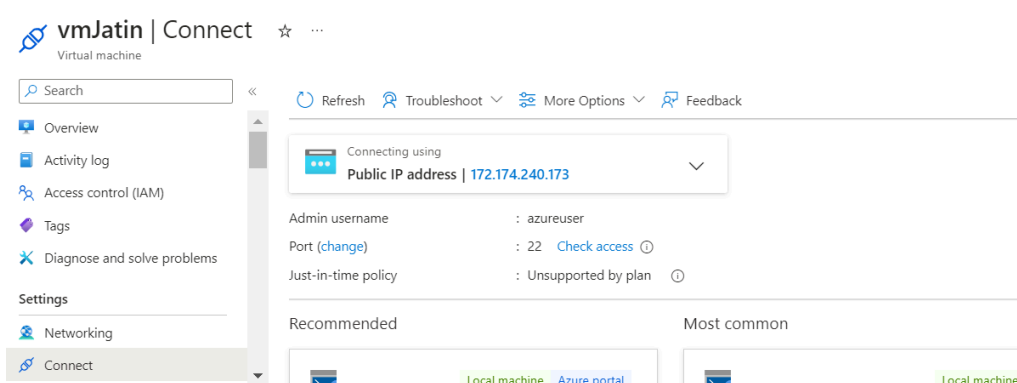
# Project 2

## Prerequisites

```
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
February 04, 2024 - 19:25:19
Django version 3.2.13, using settings 'example.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
[04/Feb/2024 19:25:21] "GET / HTTP/1.1" 200 10697
[04/Feb/2024 19:25:21] "GET /static/admin/css/fonts.css HTTP/1.1" 200 423
[04/Feb/2024 19:25:21] "GET /static/admin/fonts/Roboto-Bold-webfont.woff HTTP/1.1" 200 86184
[04/Feb/2024 19:25:21] "GET /static/admin/fonts/Roboto-Regular-webfont.woff HTTP/1.1" 200 85876
[04/Feb/2024 19:25:21] "GET /static/admin/fonts/Roboto-Light-webfont.woff HTTP/1.1" 200 85692
```

## Order and connect VM



```
Requesting a Cloud Shell.Succeeded.
Connecting terminal...

Welcome to Azure Cloud Shell

Type "az" to use Azure CLI
Type "help" to learn about Cloud Shell

jatin [ ~ ]$ az ssh vm --resource-group rg1Jatin --vm-name vmJatin --subscription e7e878f1-a7f7-4ce2-8710-30d2fbc17ef
OpenSSH_8.9p1, OpenSSL 1.1.1k FIPS 25 Mar 2021
The authenticity of host '172.174.240.173 (172.174.240.173)' can't be established.
ED25519 key fingerprint is SHA256:PoeTzD0/m1kaGyXALijZv6i102DsIQhyAA5bIr3EhFM.
```

```
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.
```

```
jatin.saini3@incedoinc.com@vmJatin:~$
```

## Installing Docker on Azure VM

Processing triggers for systemd (245.4-4ubuntu3.23) ...

root@vmJatin:/home/jatin.saini3# docker version

Client: Docker Engine - Community

Version: 25.0.2

API version: 1.44

Go version: go1.21.6

Git commit: 29cf629

Built: Thu Feb 1 00:23:19 2024

OS/Arch: linux/amd64

Context: default

Server: Docker Engine - Community

jatin.saini3@incendo-inc.com@vmJatin:~\$ sudo apt install azure-cli

Reading package lists... Done

Building dependency tree

Reading state information... Done






The following additional packages will be installed:

javascript-common libjs-jquery libjs-sphinxdoc libjs-underscore python-pkginfo-doc python3-adal python3-aiohttp python3-azext-devops python3-azure python3-azure-cli python3-azure-cli-core python3-azure-cli-telemetry python3-azure-python3-azure-functions-devops-build python3-azure-multiapi-storage python3-azure-storage python3-bcrypt python3-cffi python3-invoke python3-isodate python3-javaproperties python3-jmespath python3-jshint python3-jsondiff python3-knack python3-msrestazure python3-multidict python3-paramiko python3-pbr python3-pkginfo python3-ply python3-portlocker py

## Dockerization and Deployment of Django Project

```

DJANGO
├── .docker
├── app
│   ├── example
│   ├── db.sqlite3
│   ├── Dockerfile
│   ├── manage.py
│   ├── requirements.txt
│   ├── compose.yaml
│   └── README.md
└── app > Dockerfile
    1  # syntax=docker/dockerfile:1.4
    2
    3  FROM --platform=$BUILDPLATFORM python:3.7-alpine AS builder
    4  EXPOSE 8000
    5  WORKDIR /app
    6  COPY requirements.txt /app
    7  RUN pip3 install -r requirements.txt --no-cache-dir
    8  COPY . /app
    9  ENTRYPOINT ["python3"]
   10  CMD ["manage.py", "runserver", "0.0.0.0:8000"]
   11
   12  # FROM builder as dev-envs
   13  # RUN <<EOF
   14  # apk update
   15  # apk add git
   16  # EOF
   17
   18  # RUN <<EOF
```

<input type="text" value="Search"/>		<div> <div></div> <div></div> <div>Only show running containers</div> </div>		<div> <div>Delete</div> <div></div> <div></div> <div></div> </div>			
	Name	Image	Status	CPU (%)	Port(s)	Last started	Actions
<input checked="" type="checkbox"/>	 <a href="#">focused_ba</a> 69a2642ff80e	<a href="#">python-django</a>	Exited	0%	8000:8000 	2 hours ago	<div>▶</div> <div>⋮</div> <div></div>
<input type="checkbox"/>	 <a href="#">zen_menins</a> 78b6430b18a	<a href="#">python-django:lates</a>	Exited	0%		2 hours ago	<div>▶</div> <div>⋮</div> <div></div>

# Hello, Jatin!

Welcome to your Task List:

Additional Checkboxes:

- ☐ task 1
- ☐ task 2
- ☐ task 2

Update Tasks