CASE STUDY-1

Sushmita Sadhwan

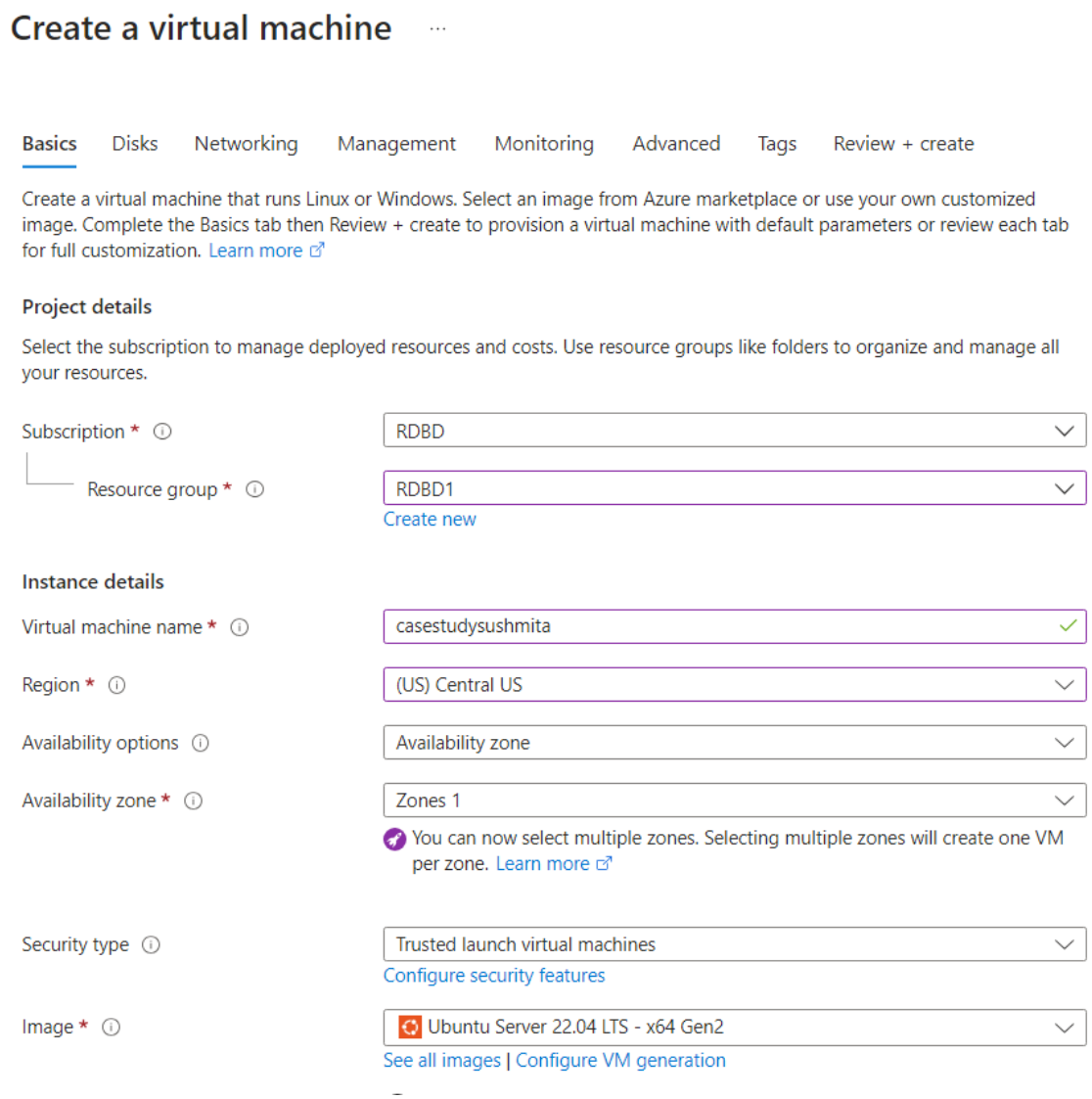
Step 1: Create a Azure Virtual Machine

Login to the Azure Portal

Select Create New Virtual Machine

Select Size, Disks etc.

Review and Create the VM



Run with Azure Spot discount ⓘ ☐

Size * ⓘ Standard_B2s - 2 vcpus, 4 GiB memory (₹2,860.78/month)

See all sizes

ⓘ Item(s) availability based on policy assignment(s) for the selected scope. 9e6823bb206147ba8a09005e (Policy details)

Administrator account

Authentication type ⓘ ○ SSH public key ◉ Password

Username * ⓘ sushmita ✓

Password * ⓘ •••••••••••• ✓

Confirm password * ⓘ •••••••••••• ✓

Inbound port rules

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

Public inbound ports * ⓘ ○ None ◉ Allow selected ports

Select inbound ports * HTTP (80), SSH (22)

ⓘ All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.

Disk

Create a virtual machine ...

Basics | Disks | Networking | Management | Monitoring | Advanced | Tags | Review + create

Azure VMs have one operating system disk and a temporary disk for short-term storage. You can attach additional data disks. The size of the VM determines the type of storage you can use and the number of data disks allowed. Learn more

VM disk encryption

Azure disk storage encryption automatically encrypts your data stored on Azure managed disks (OS and data disks) at rest by default when persisting it to the cloud.

Encryption at host ⓘ ☐

Encryption at host is not registered for the selected subscription.
Learn more about enabling this feature

OS disk

OS disk type * ⓘ: Standard HDD (locally-redundant storage)

The selected VM size supports premium disks. We recommend Premium SSD for high IOPS workloads. Virtual machines with Premium SSD disks qualify for the 99.9% connectivity SLA.

Delete with VM ⓘ ☑

Key management ⓘ: Platform-managed key

Enable Ultra Disk compatibility ⓘ ☐

Ultra disk is not supported with selected security type.

Data disks for casestudysushmita

You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.

LUN	Name	Size (GiB)	Disk type	Host caching	Delete with VM ⓘ

Review & Create

Create a virtual machine ...

Validation passed

Basics | Disks | Networking | Management | Monitoring | Advanced | Tags | **Review + create**

Cost given below is an estimate and not the final price. Please use Pricing calculator for all your pricing needs.

Price

1 X Standard B2s
by Microsoft
Terms of use | Privacy policy

Subscription credits apply

3.9189 INR/hr
Pricing for other VM sizes

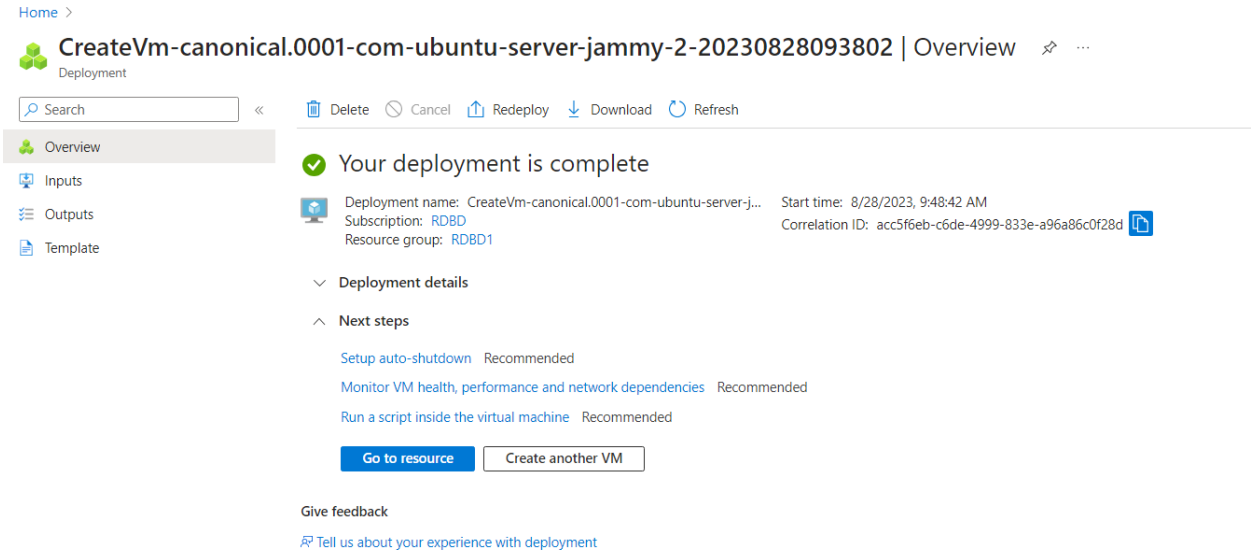
TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the Azure Marketplace Terms for additional details.

Name	part62 undefined
Preferred e-mail address	part62@ravinsofttech.com
Preferred phone number	

You have set SSH port(s) open to the internet. This is only recommended for testing. If you want to change this setting, go back to Basics tab.

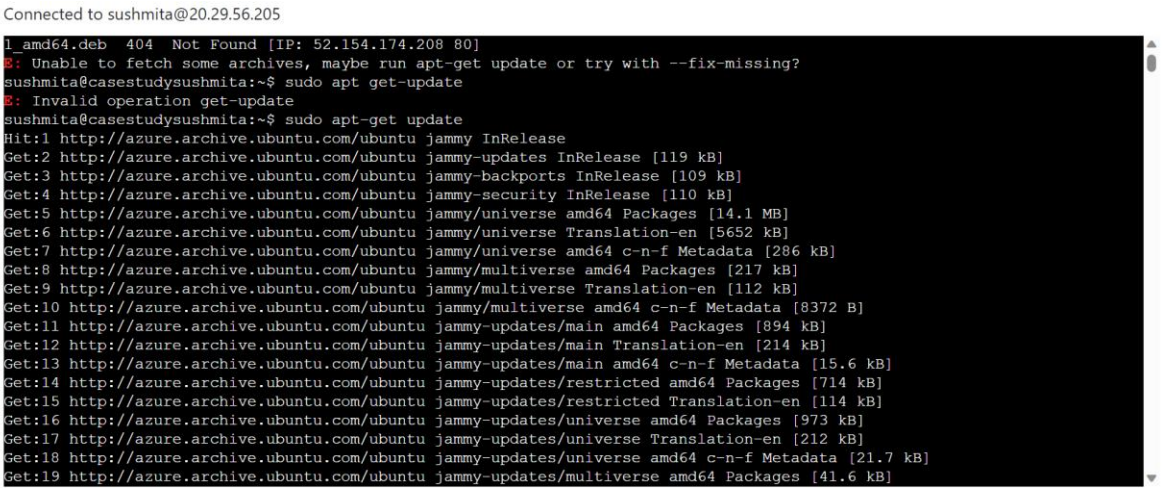
Completed deployment



Connect to the VM from SSHEASY/CMD

View the VM Resource Created from the above steps.

Use the Public IP address, Username and Password to access the VM from the command line.



Connected to sushmita@20.29.56.205

```
sushmita@casestudysushmita:~$ sudo apt install gnome-terminal
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  adwaita-icon-theme alsa-topology-conf alsa-ucm-conf aspell aspell-en at-spi2-core bubblewrap dconf-gsettings-backend
  dconf-service desktop-file-utils dictionaries-common docbook-xml emacsen-common enchant-2 fontconfig fontconfig-config
  fonts-dejavu-core glib-networking glib-networking-common glib-networking-services gnome-terminal-data
  gsettings-desktop-schemas gstreamer1.0-gl gstreamer1.0-plugins-base gstreamer1.0-plugins-good gstreamer1.0-x
  gtk-update-icon-cache gvfs gvfs-common gvfs-daemons gvfs-libs hicolor-icon-theme humanity-icon-theme hunspell-en-us
  libaa1 libasound2 libasound2-data libaspell15 libasyncns0 libatk-bridge2.0-0 libatk1.0-0 libatk1.0-data libatomic1
  libatspi2.0-0 libavahi-client3 libavahi-common-data libavahi-common3 libavc1394-0 libcaca0 libcairo-gobject2 libcairo2
  libcanberra0 libcdparanoia0 libcolord2 libcups2 libdatrie1 libdconf1 libdeflate0 libdrm-amdgpu1 libdrm-intel1
  libdrm-nouveau2 libdrm-radeon1 libdv4 libegl-mesa0 libegl1 libenchant-2-2 libepoxy0 libevdev2 libflac8 libfontconfig1
  libgbm1 libgck-1-0 libgcr-base-3-1 libgdk-pixbuf-2.0-0 libgdk-pixbuf2.0-bin libgdk-pixbuf2.0-common libgl1
  libgl1-amber-dri libgl1-mesa-dri libglapi-mesa libglvnd0 libglx-mesa0 libglx0 libgraphene-1.0-0 libgraphite2-3
  libgstreamer-gl1.0-0 libgstreamer-plugins-base1.0-0 libgstreamer-plugins-good1.0-0 libgtk-3-0 libgtk-3-bin
  libgtk-3-common libhandy-1-0 libharfbuzz-icu0 libharfbuzz0b libhunspell-1.7-0 libhyphen0 libiec61883-0 libjack-jackd2-0
  libjavascriptcoregtk-4.0-18 libjbig0 libjpeg-turbo8 libjpeg8 liblcms2-2 libllvm15 libltdl7 libmanette-0.2-0 libmp3lame0
  libmpg123-0 libnautilus-extension1a libogg0 libopenjp2-7 libopus0 liborc-0.4-0 libpango-1.0-0 libpangocairo-1.0-0
  libpangoft2-1.0-0 libpciaccess0 libpipewire-0.3-0 libpipewire-0.3-common libpipewire-0.3-modules libpixman-1-0
  libproxy1v5 libpulse0 libraw1394-11 librsvg2-2 librsvg2-common libsamplerate0 libsecret-1-0 libsecret-common
  libsensors-config libsensors5 libshout3 libsndfile1 libsoup2.4-1 libsoup2.4-common libspa-0.2-modules libspeex1
  libtag1v5 libtag1v5-vanilla libtdb1 libthai-data libthai0 libtheora0 libtiff5 libtwolame0 libv4l-0 libv4lconvert0
```

```
sushmita@casestudysushmita:~$ sudo apt-get install ca-certificates curl gnupg
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ca-certificates is already the newest version (20230311ubuntu0.22.04.1).
ca-certificates set to manually installed.
curl is already the newest version (7.81.0-1ubuntu1.13).
curl set to manually installed.
gnupg is already the newest version (2.2.27-3ubuntu2.1).
gnupg set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 17 not upgraded.
sushmita@casestudysushmita:~$
```

Connected to sushmita@20.29.56.205

```
sushmita@casestudysushmita:~$ echo \
  "deb [arch="$(dpkg --print-architecture)" signed-by=/etc/apt/keyrings/docker.gpg] https://download.docker.com/linux/ubu
 \
  "$(. /etc/os-release && echo "$VERSION_CODENAME")" stable" | \
  sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
sushmita@casestudysushmita:~$ sudo apt-get update
Hit:1 http://azure.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://azure.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://azure.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://azure.archive.ubuntu.com/ubuntu jammy-security InRelease
Get:5 https://download.docker.com/linux/ubuntu jammy InRelease [48.9 kB]
Get:6 https://download.docker.com/linux/ubuntu jammy/stable amd64 Packages [21.4 kB]
Fetched 70.3 kB in 1s (122 kB/s)
Reading package lists... Done
sushmita@casestudysushmita:~$ sudo apt-get update
sudo apt-get install ./docker-desktop-<version>-<arch>.deb
Hit:1 http://azure.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://azure.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://azure.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://azure.archive.ubuntu.com/ubuntu jammy-security InRelease
Hit:5 https://download.docker.com/linux/ubuntu jammy InRelease
Reading package lists... Done
-bash: version: No such file or directory
sushmita@casestudysushmita:~$
```

Rename the docker file

Connected to sushmita@20.29.56.205

```
sushmita@casestudysushmita:~$ sudo wget https://desktop.docker.com/linux/main/amd64/docker-desktop-4.22.1-amd64.deb?utm_
ce=docker&utm_medium=webreferral&utm_campaign=docs-driven-download-linux-amd64
[1] 6557
[2] 6558
sushmita@casestudysushmita:~$
Redirecting output to ‘wget-log’.
^C
[1]-  Done                    sudo wget https://desktop.docker.com/linux/main/amd64/docker-desktop-4.22.1-amd64.deb?utm_
ce=docker
[2]+  Done                    utm_medium=webreferral
sushmita@casestudysushmita:~$ ls
 docker-desktop-4.22.1-amd64.deb  'docker-desktop-4.22.1-amd64.deb?utm_source=docker'   wget-log
sushmita@casestudysushmita:~$ sudo mv ^C
sushmita@casestudysushmita:~$ sudo mv ^C
sushmita@casestudysushmita:~$ sudo mv 'docker-desktop-4.22.1-amd64.deb?utm_source=docker' docker-desktop-4.22.1-amd64.de
sushmita@casestudysushmita:~$ ls
docker-desktop-4.22.1-amd64.deb  wget-log
sushmita@casestudysushmita:~$ sudo apt-get update
Hit:1 http://azure.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://azure.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://azure.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://azure.archive.ubuntu.com/ubuntu jammy-security InRelease
Hit:5 https://download.docker.com/linux/ubuntu jammy InRelease
Reading package lists... Done
```

Connected to sushmita@20.29.56.205

```
sushmita@casestudysushmita:~$ sudo apt-get install ./docker-desktop-4.22.1-amd64.deb
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Note, selecting 'docker-desktop' instead of './docker-desktop-4.22.1-amd64.deb'
The following additional packages will be installed:
  acl cpu-checker docker-buildx-plugin docker-ce-cli docker-compose-plugin ibverbs-providers ipxe-qemu
  ipxe-qemu-256k-compat-efi-roms libboost-iostreams1.74.0 libboost-thread1.74.0 libbrlapi0.8 libcacard0 libdaxctl1
  libdecor-0-0 libdecor-0-plugin-1-cairo libfdt1 libgfapi0 libgfrpc0 libgfxdr0 libglusterfs0 libibverbs1 libice6 libiscsi
  libndctl6 libnl-route-3-200 libpcsclite1 libpmem1 libpmemobj1 libqrencode4 librados2 librbd1 librdmacm1 libsdl2-2.0-0
  libslirp0 libsm6 libspice-server1 liburing2 libusbredirparser1 libvirglrenderer1 libxmu6 libxss1 libxt6 msr-tools ovmf
  pass qemu-block-extra qemu-system-common qemu-system-data qemu-system-gui qemu-system-x86 qemu-utils qrencode seabios
  tree uidmap xclip
Suggested packages:
  pcscd xdg-utils gstreamer1.0-libav gstreamer1.0-plugins-ugly libxml-simple-perl python ruby samba vde2 debootstrap
The following NEW packages will be installed:
  acl cpu-checker docker-buildx-plugin docker-ce-cli docker-compose-plugin docker-desktop ibverbs-providers ipxe-qemu
  ipxe-qemu-256k-compat-efi-roms libboost-iostreams1.74.0 libboost-thread1.74.0 libbrlapi0.8 libcacard0 libdaxctl1
  libdecor-0-0 libdecor-0-plugin-1-cairo libfdt1 libgfapi0 libgfrpc0 libgfxdr0 libglusterfs0 libibverbs1 libice6 libiscsi
  libndctl6 libnl-route-3-200 libpcsclite1 libpmem1 libpmemobj1 libqrencode4 librados2 librbd1 librdmacm1 libsdl2-2.0-0
  libslirp0 libsm6 libspice-server1 liburing2 libusbredirparser1 libvirglrenderer1 libxmu6 libxss1 libxt6 msr-tools ovmf
  pass qemu-block-extra qemu-system-common qemu-system-data qemu-system-gui qemu-system-x86 qemu-utils qrencode seabios
  tree uidmap xclip
0 upgraded, 57 newly installed, 0 to remove and 17 not upgraded.
```

Start docker-desktop

Connected to sushmita@20.29.56.205

```
sushmita@casestudysushmita:~$ systemctl --user start docker-desktop
sushmita@casestudysushmita:~$ docker compose version
Docker Compose version v2.20.2-desktop.1
sushmita@casestudysushmita:~$ docker --version
Docker version 24.0.5, build ced0996
sushmita@casestudysushmita:~$ docker version
Cannot connect to the Docker daemon at unix:///var/run/docker.sock. Is the docker daemon running?
Client: Docker Engine - Community
 Cloud integration: v1.0.35-desktop+001
 Version:           24.0.5
 API version:       1.43
 Go version:        go1.20.6
 Git commit:        ced0996
 Built:             Fri Jul 21 20:35:18 2023
 OS/Arch:           linux/amd64
 Context:           default
sushmita@casestudysushmita:~$ cd /path/to/working/directory
git clone https://github.com/spring-projects/spring-petclinic.git
cd spring-petclinic
-bash: cd: /path/to/working/directory: No such file or directory
Cloning into 'spring-petclinic'...
remote: Enumerating objects: 9793, done.
remote: Counting objects: 100% (11/11), done.
remote: Compressing objects: 100% (6/6), done.
```

Connected to sushmita@20.29.56.205

```
remote: Total 9793 (delta 0), reused 8 (delta 0), pack-reused 9782
Receiving objects: 100% (9793/9793), 7.83 MiB | 23.73 MiB/s, done.
Resolving deltas: 100% (3718/3718), done.
sushmita@casestudysushmita:~/spring-petclinic$ # syntax=docker/dockerfile:1

FROM eclipse-temurin:17-jdk-jammy
FROM: command not found
sushmita@casestudysushmita:~/spring-petclinic$ # syntax=docker/dockerfile:1
sushmita@casestudysushmita:~/spring-petclinic$ FROM eclipse-temurin:17-jdk-jammy
FROM: command not found
sushmita@casestudysushmita:~/spring-petclinic$ touch Dockerfile
sushmita@casestudysushmita:~/spring-petclinic$ nano Dockerfile
sushmita@casestudysushmita:~/spring-petclinic$ touch .dockerignore
sushmita@casestudysushmita:~/spring-petclinic$ nano .dockerignore
sushmita@casestudysushmita:~/spring-petclinic$ docker build --tag java-docker
ERROR: "docker buildx build" requires exactly 1 argument.
See 'docker buildx build --help'.

Usage:  docker buildx build [OPTIONS] PATH | URL | -

Start a build
sushmita@casestudysushmita:~/spring-petclinic$ docker build --tag java-docker .
ERROR: Cannot connect to the Docker daemon at unix:///var/run/docker.sock. Is the docker daemon running?
sushmita@casestudysushmita:~/spring-petclinic$
```

Create the Java File(Dockerfile)

Connected to sushmita@20.29.56.205

```
  GNU nano 6.2                                        Dockerfile
# syntax=docker/dockerfile:1

FROM eclipse-temurin:17-jdk-jammy

WORKDIR /app

COPY .mvn/ .mvn
COPY mvnw pom.xml ./
RUN ./mvnw dependency:resolve

COPY src ./src

CMD ["./mvnw", "spring-boot:run"]




                                [ Read 13 lines ]
^G Help        ^O Write Out   ^W Where Is    ^K Cut         ^T Execute     ^C Location    M-U Undo       M-A Set Mark
^X Exit        ^R Read File   ^\ Replace     ^U Paste       ^J Justify     ^/ Go To Line  M-E Redo       M-6 Copy
```

.dockerignore file

Connected to sushmita@20.29.56.205

```
  GNU nano 6.2                                    .dockerignore
target
                                [ Soft wrapping of overlong lines enabled ]
^G Help        ^O Write Out   ^W Where Is    ^K Cut         ^T Execute     ^C Location    M-U Undo       M-A Set Mark
^X Exit        ^R Read File   ^\ Replace     ^U Paste       ^J Justify     ^/ Go To Line  M-E Redo       M-6 Copy
```

Connected to sushmita@20.29.56.205

```
sushmita@casestudysushmita:~/spring-petclinic$ sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-pl
in docker-compose-plugin
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
docker-buildx-plugin is already the newest version (0.11.2-1~ubuntu.22.04~jammy).
docker-buildx-plugin set to manually installed.
docker-ce-cli is already the newest version (5:24.0.5-1~ubuntu.22.04~jammy).
docker-ce-cli set to manually installed.
docker-compose-plugin is already the newest version (2.20.2-1~ubuntu.22.04~jammy).
docker-compose-plugin set to manually installed.
Suggested packages:
  aufs-tools cgroupfs-mount | cgroup-lite
The following NEW packages will be installed:
  containerd.io docker-ce docker-ce-rootless-extras pigz slirp4netns
0 upgraded, 5 newly installed, 0 to remove and 17 not upgraded.
Need to get 60.4 MB of archives.
After this operation, 239 MB of additional disk space will be used.
Get:1 http://azure.archive.ubuntu.com/ubuntu jammy/universe amd64 pigz amd64 2.6-1 [63.6 kB]
Get:2 http://azure.archive.ubuntu.com/ubuntu jammy/universe amd64 slirp4netns amd64 1.0.1-2 [28.2 kB]
Get:3 https://download.docker.com/linux/ubuntu jammy/stable amd64 containerd.io amd64 1.6.22-1 [28.3 MB]
Get:4 https://download.docker.com/linux/ubuntu jammy/stable amd64 docker-ce amd64 5:24.0.5-1~ubuntu.22.04~jammy [22.9 MB]
Get:5 https://download.docker.com/linux/ubuntu jammy/stable amd64 docker-ce-rootless-extras amd64 5:24.0.5-1~ubuntu.22.04~
mmy [9032 kB]
```

Test if docker is running

Connected to sushmita@20.29.56.205

```
sushmita@casestudysushmita:~/spring-petclinic$ systemctl  start docker-desktop
==== AUTHENTICATING FOR org.freedesktop.systemd1.manage-units ===
Authentication is required to start 'docker-desktop.service'.
Authenticating as: Ubuntu (sushmita)
Password:
==== AUTHENTICATION COMPLETE ===
Failed to start docker-desktop.service: Unit docker-desktop.service not found.
sushmita@casestudysushmita:~/spring-petclinic$ sudo docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
719385e32844: Pull complete
Digest: sha256:dcba6daec718f547568c562956fa47e1b03673dd010fe6ee58ca806767031d1c
Status: Downloaded newer image for hello-world:latest

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

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 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
```

Connected to sushmita@20.29.56.205

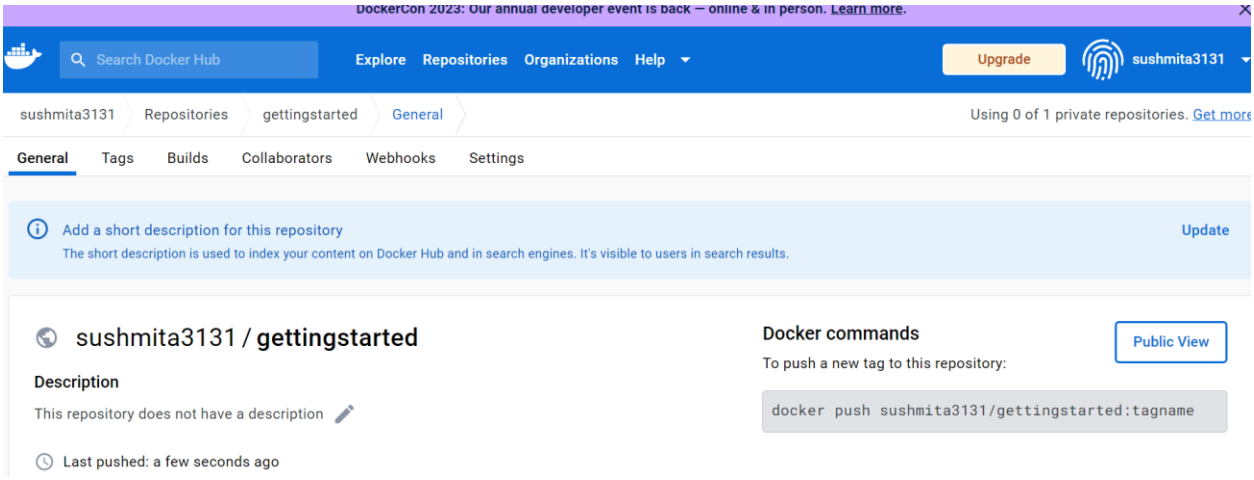
```
sushmita@casestudysushmita:~/spring-petclinic$ systemctl start docker
==== AUTHENTICATING FOR org.freedesktop.systemd1.manage-units ===
Authentication is required to start 'docker.service'.
Authenticating as: Ubuntu (sushmita)
Password:
==== AUTHENTICATION COMPLETE ===
sushmita@casestudysushmita:~/spring-petclinic$ systemctl status docker
● docker.service - Docker Application Container Engine
     Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset: enabled)
     Active: active (running) since Mon 2023-08-28 05:59:17 UTC; 2min 40s ago
TriggeredBy: ● docker.socket
       Docs: https://docs.docker.com
   Main PID: 8570 (dockerd)
      Tasks: 10
     Memory: 43.2M
        CPU: 452ms
     CGroup: /system.slice/docker.service
             └─8570 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Aug 28 05:59:16 casestudysushmita dockerd[8570]: time="2023-08-28T05:59:16.095110503Z" level=info msg="Starting up"
Aug 28 05:59:16 casestudysushmita dockerd[8570]: time="2023-08-28T05:59:16.096538775Z" level=info msg="detected 127.0.0.53
Aug 28 05:59:16 casestudysushmita dockerd[8570]: time="2023-08-28T05:59:16.511441473Z" level=info msg="Loading containers:
Aug 28 05:59:17 casestudysushmita dockerd[8570]: time="2023-08-28T05:59:17.327017471Z" level=info msg="Loading containers:
Aug 28 05:59:17 casestudysushmita dockerd[8570]: time="2023-08-28T05:59:17.419391172Z" level=warning msg="Not using native
```

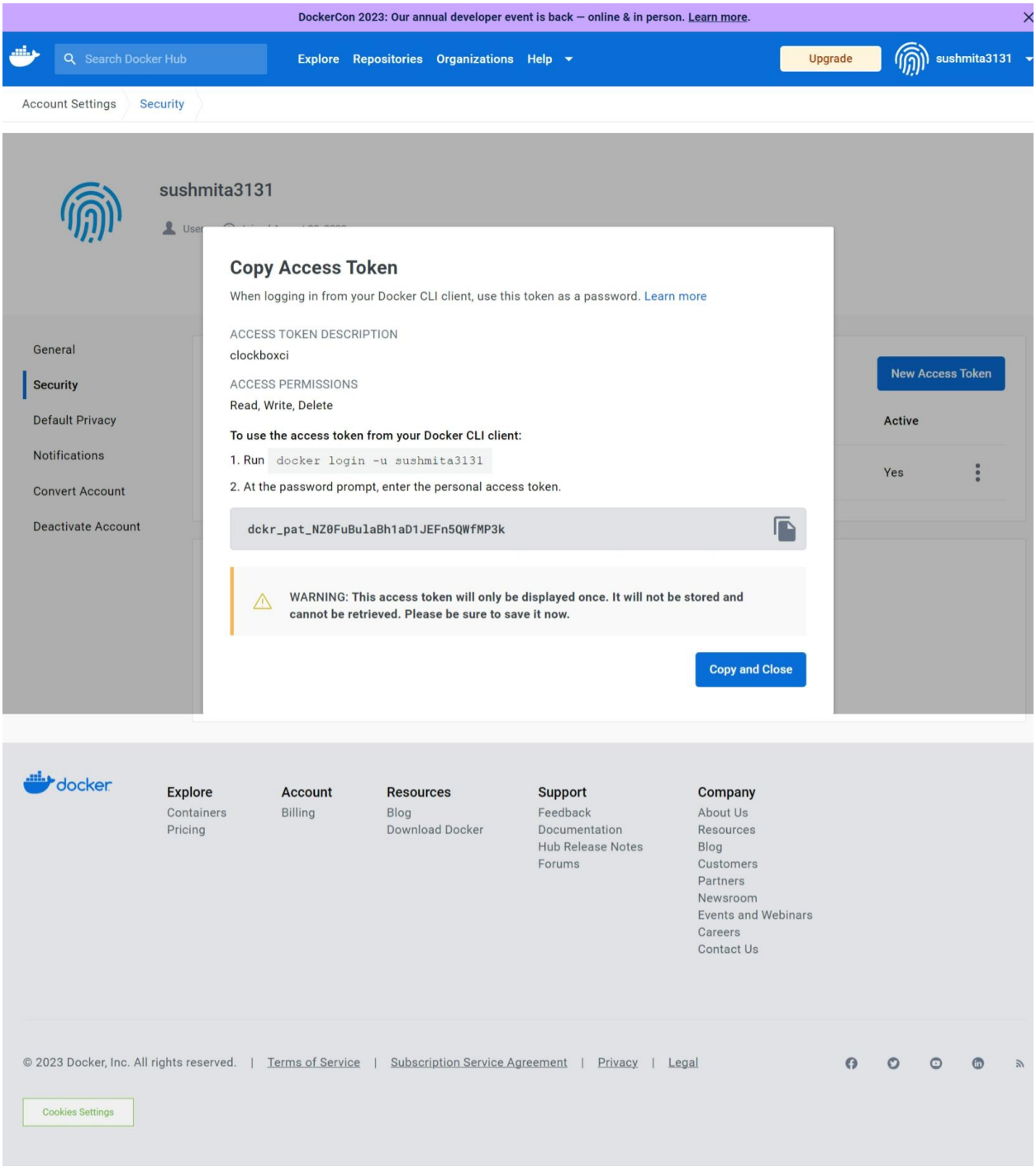
Connected to sushmita@20.29.56.205

```
sushmita@casestudysushmita:~/spring-petclinic$ docker build --tag java-docker .
ERROR: permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get "http://%
var%2Frun%2Fdocker.sock/_ping": dial unix /var/run/docker.sock: connect: permission denied
sushmita@casestudysushmita:~/spring-petclinic$ sudo docker build --tag java-docker .
[+] Building 106.2s (13/13) FINISHED                                                                          docker:defaul
 => [internal] load .dockerignore                                                                                      0.4
 => => transferring context: 47B                                                                                       0.0
 => [internal] load build definition from Dockerfile                                                                   0.3
 => => transferring dockerfile: 236B                                                                                   0.0
 => resolve image config for docker.io/docker/dockerfile:1                                                             1.2
 => docker-image://docker.io/docker/dockerfile:1@sha256:ac85f380a63b13dfcefa89046420e1781752bab202122f8f50032edf31be0   1.1
 => => resolve docker.io/docker/dockerfile:1@sha256:ac85f380a63b13dfcefa89046420e1781752bab202122f8f50032edf31be0021    0.1
 => => sha256:ac85f380a63b13dfcefa89046420e1781752bab202122f8f50032edf31be0021 8.40kB / 8.40kB                         0.0
 => => sha256:657fcc512c7369f4cb3d94ea329150f8daf626bc838b1a1e81f1834c73ecc77e 482B / 482B                             0.0
 => => sha256:a17ee7fff8f5e97b974f5b48f51647d2cf28d543f2aa6c11aaa0ea431b44bb89 1.27kB / 1.27kB                         0.0
 => => sha256:9d9c93f4b00be908ab694a4df732570bced3b8a96b7515d70ff93402179ad232 11.80MB / 11.80MB                       0.4
 => => extracting sha256:9d9c93f4b00be908ab694a4df732570bced3b8a96b7515d70ff93402179ad232                               0.2
 => [internal] load metadata for docker.io/library/eclipse-temurin:17-jdk-jammy                                        0.9
 => [1/6] FROM docker.io/library/eclipse-temurin:17-jdk-jammy@sha256:bfc748eb9766e9c031bd79f6a37d5d7fcb1baladca56106   20.4
 => => resolve docker.io/library/eclipse-temurin:17-jdk-jammy@sha256:bfc748eb9766e9c031bd79f6a37d5d7fcb1baladca56106f   0.2
 => => sha256:bfc748eb9766e9c031bd79f6a37d5d7fcb1baladca56106fc4c661fa255340c8 1.21kB / 1.21kB                         0.0
 => => sha256:b817bf26f878c20996fa0def35fc8b694c2f2785dfe9405c25c07066a2b9595f 1.37kB / 1.37kB                         0.0
 => => sha256:36abea7cf77a56aaa625f7c84f4c0119849737a756ac6c7c0fcc876096e0f285 6.76kB / 6.76kB                         0.0
 => => sha256:99de9192b4afd13ed65aeae58d55b38e5231eb97a743921357b7d5b4c0c903c4 30.44MB / 30.44MB                       1.0
```

```
sushmita@casestudysushmita:~/spring-petclinic$ sudo docker images
REPOSITORY    TAG       IMAGE ID       CREATED          SIZE
java-docker   latest    e8f5db5925be   2 minutes ago    585MB
hello-world   latest    9c7a54a9a43c   3 months ago     13.3kB
sushmita@casestudysushmita:~/spring-petclinic$
```



Create access tokens

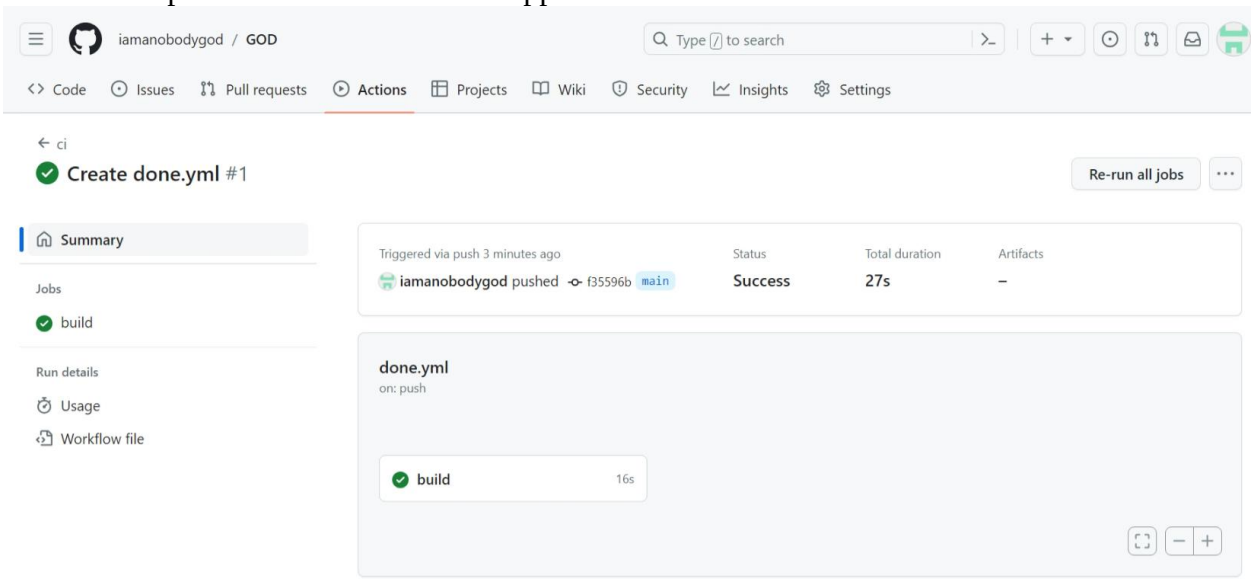


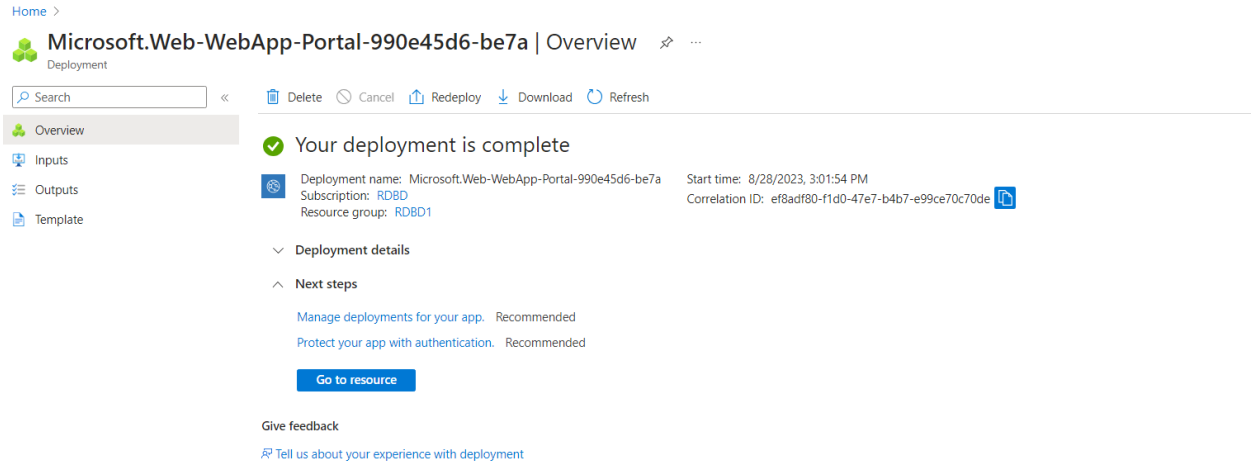
Deploy in Azure Webapps

Choose the create a new webapp option.

Tweak the settings and create the resource.

Click on the public domain to view the app.





while installing Maven we encountered that our machine has JAVA11 but we have to install JAVA17

Commands:
clear
sudo apt update
sudo apt install git
sudo apt install maven
sudo apt update
sudo apt-get install ca-certificates curl gnupg
sudo install -m 0755 -d /etc/apt/keyrings
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /etc/apt/keyrings/docker.gpg
sudo chmod a+r /etc/apt/keyrings/docker.gpg
echo "deb [arch="$(dpkg --print-architecture)" signed-by=/etc/apt/keyrings/docker.gpg] https://download.docker.com/linux/ubuntu \
"$(. /etc/os-release && echo "$VERSION_CODENAME")" stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
sudo apt-get update
sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin
sudo docker run hello-world
systemctl status docker
git clone https://github.com/hrb1989/shell_7_foundation_Java_Spring.git
cd shell_7_foundation_Java_Spring
mvn install -DskipTests
sudo apt install -y openjdk-17-jdk
mvn install -DskipTests
docker build -t <name> -f /home/azureuser/shell_7_foundation_Java_Spring/Dockerfile
vi Dockerfile
docker build --tag sushmita3131-docker:latest .

sudo docker build --tag sushmita3131-docker:latest .
sudo docker login
sudo docker images
sudo docker tag sushmita3131-docker:latest sushmita3131-docker
sudo docker push sushmita3131-docker