

# Project 1

1) Screenshot of AWS Console showing the instance running and the volumes you have allocated on EBS:

Instance is running and up:

The screenshot shows the AWS Management Console for the us-east-1 region. The left sidebar contains navigation links for Events, Instances, Images, Elastic Block Store, and Network & Security. The main content area displays the 'Instances (1/1)' page. A table lists the instance 'Application\_D...' with ID 'i-Oe950afbb1334e3e1', state 'Running', and type 't2.small'. Below the table, the 'Details' tab for instance 'i-Oe950afbb1334e3e1' is selected, showing the 'Instance summary' with fields for Instance ID, IPv6 address, Public IPv4 address, Private IPv4 addresses, and Public IPv4 DNS.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
Application_D...	i-Oe950afbb1334e3e1	Running	t2.small	2/2 checks passed	View alarms +

**i-Oe950afbb1334e3e1 (Application\_Deployment)**

**Instance summary**

Instance ID	i-Oe950afbb1334e3e1
IPv6 address	-
Public IPv4 address	54.175.142.209   <a href="#">open address</a>
Private IPv4 addresses	172.31.39.74
Public IPv4 DNS	ec2-54-175-142-209.compute-1.amazonaws.com
Instance state	Running

Volumes attached:

The screenshot shows the AWS Management Console for the us-east-1 region. The left sidebar contains navigation links for Events, Instances, Images, Elastic Block Store, and Network & Security. The main content area displays the 'Instances (1/1)' page. A table lists the instance 'Application\_D...' with ID 'i-Oe950afbb1334e3e1', state 'Running', and type 't2.small'. Below the table, the 'Details' tab for instance 'i-Oe950afbb1334e3e1' is selected, showing the 'Block devices' section. A table lists the attached EBS volumes.

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time
vol-01865549554db9b57	/dev/xvda	8	Attached	2025/01/31 12:38 GMT-5
vol-0fda047ddaba85645	/dev/sdb	1	Attached	2025/01/31 12:38 GMT-5

**Volume monitoring (1)**

## 2) Output of Linux command “df” in instance:

```
[ec2-user@ip-172-31-39-74 ~]$  
[ec2-user@ip-172-31-39-74 ~]$ df  
Filesystem      1K-blocks    Used Available Use% Mounted on  
devtmpfs         993748        0    993748   0% /dev  
tmpfs            1003088        0    1003088   0% /dev/shm  
tmpfs            1003088     572    1002516   1% /run  
tmpfs            1003088        0    1003088   0% /sys/fs/cgroup  
/dev/xvda1       8376300 3299184    5077116  40% /  
/dev/xvdb        998060    47596    898036   6% /data  
tmpfs            200620        0    200620   0% /run/user/1000  
[ec2-user@ip-172-31-39-74 ~]$  
[ec2-user@ip-172-31-39-74 ~]$
```

## Output of “fdisk -l” command in instance:

```
[ec2-user@ip-172-31-39-74 ~]$ sudo fdisk -l  
Disk /dev/xvda: 8 GiB, 8589934592 bytes, 16777216 sectors  
Units: sectors of 1 * 512 = 512 bytes  
Sector size (logical/physical): 512 bytes / 512 bytes  
I/O size (minimum/optimal): 512 bytes / 512 bytes  
Disklabel type: gpt  
Disk identifier: C19EA533-E536-46F1-B7F1-2B3696B3C827  
  
Device            Start      End  Sectors  Size Type  
/dev/xvda1        4096 16777182 16773087   8G Linux filesystem  
/dev/xvda128       2048      4095     2048   1M BIOS boot  
  
Partition table entries are not in disk order.  
  
Disk /dev/xvdb: 1 GiB, 1073741824 bytes, 2097152 sectors  
Units: sectors of 1 * 512 = 512 bytes  
Sector size (logical/physical): 512 bytes / 512 bytes  
I/O size (minimum/optimal): 512 bytes / 512 bytes  
[ec2-user@ip-172-31-39-74 ~]$  
[ec2-user@ip-172-31-39-74 ~]$
```

## 3) Output of running docker inspect on the database and application containers.

### Output for container “cs548db”:

```
[ec2-user@ip-172-31-39-74 ~]$ docker inspect cs548db  
[  
  {  
    "Id": "afc39c0fe8ec27332716494aa09fd669256776003f8b9e101b7f27766d9d99ab",  
    "Created": "2025-01-31T17:50:16.142385747Z",  
    "Path": "docker-entrypoint.sh",  
    "Args": [  
      "postgres"  
    ],  
    "State": {  
      "Status": "running",  
      "Running": true,  
      "Paused": false,  
      "Restarting": false,  
      "OOMKilled": false,  
      "Dead": false,  
      "Pid": 3621,  
      "ExitCode": 0,  
      "Error": "",  
      "StartedAt": "2025-01-31T19:18:28.035479607Z",  
      "FinishedAt": "2025-01-31T19:16:49.960664411Z"  
    },  
    "Image": "sha256:9a0ce6be5dd4a74a9bcle4709f8cc8496ce2ee09adcb64c2689a03e78c2e5214",  
    "ResolveConfPath": "/var/lib/docker/containers/afc39c0fe8ec27332716494aa09fd669256776003f8b9e101b7f27766d9d99ab/resolve.conf",  
    "HostnamePath": "/var/lib/docker/containers/afc39c0fe8ec27332716494aa09fd669256776003f8b9e101b7f27766d9d99ab/hostname",  
    "HostsPath": "/var/lib/docker/containers/afc39c0fe8ec27332716494aa09fd669256776003f8b9e101b7f27766d9d99ab/hosts",  
    "LogPath":  
      "/var/lib/docker/containers/afc39c0fe8ec27332716494aa09fd669256776003f8b9e101b7f27766d9d99ab/afc39c0fe8ec27332716494aa09fd669256776003f8b9e101b7f27766d9d99ab-json.log",  
    "Name": "/cs548db",  
    "RestartCount": 0,  
    "Driver": "overlay2",  
    "Platform": "linux",  
    "MountLabel": ""  
  }  
]
```

```

"ProcessLabel": "",
"AppArmorProfile": "",
"ExecIDs": null,
"HostConfig": {
  "Binds": [
    "/data:/var/lib/postgresql/data"
  ],
  "ContainerIDFile": "",
  "LogConfig": {
    "Type": "json-file",
    "Config": {}
  },
  "NetworkMode": "cs548-network",
  "PortBindings": {
    "5432/tcp": [
      {
        "HostIp": "",
        "HostPort": "5432"
      }
    ]
  },
  "RestartPolicy": {
    "Name": "no",
    "MaximumRetryCount": 0
  },
  "AutoRemove": false,
  "VolumeDriver": "",
  "VolumesFrom": null,
  "ConsoleSize": [
    31,
    115
  ],
  "CapAdd": null,
  "CapDrop": null,
  "CgroupnsMode": "host",
  "Dns": [],
  "DnsOptions": [],
  "DnsSearch": [],
  "ExtraHosts": null,
  "GroupAdd": null,
  "IpcMode": "private",
  "Cgroup": "",
  "Links": null,
  "OomScoreAdj": 0,
  "PidMode": "",
  "Privileged": false,
  "PublishAllPorts": false,
  "ReadonlyRootfs": false,
  "SecurityOpt": null,
  "UTSMode": "",
  "UsernsMode": "",
  "ShmSize": 67108864,
  "Runtime": "runc",
  "Isolation": "",
  "CpuShares": 0,
  "Memory": 0,
  "NanoCpus": 0,
  "CgroupParent": "",
  "BlkioWeight": 0,
  "BlkioWeightDevice": [],
  "BlkioDeviceReadBps": [],
  "BlkioDeviceWriteBps": [],
  "BlkioDeviceReadIOps": [],
  "BlkioDeviceWriteIOps": [],
  "CpuPeriod": 0,
  "CpuQuota": 0,
  "CpuRealtimePeriod": 0,
  "CpuRealtimeRuntime": 0,
  "CpusetCpus": "",
  "CpusetMems": "",
  "Devices": [],
  "DeviceCgroupRules": null,
  "DeviceRequests": null,
  "MemoryReservation": 0,
  "MemorySwap": 0,
  "MemorySwappiness": null,
  "OomKillDisable": false,
  "PidsLimit": null,
  "Ulimits": [
    {
      "Name": "nofile",
      "Hard": 65536,
      "Soft": 32768
    }
  ],
  "CpuCount": 0,
  "CpuPercent": 0,
  "IOMaximumIOps": 0,
  "IOMaximumBandwidth": 0,
  "MaskedPaths": [
    "/proc/asound",
    "/proc/acpi",
    "/proc/kcore",
    "/proc/keys",
    "/proc/latency_stats",
    "/proc/timer_list",
    "/proc/timer_stats",
    "/proc/sched_debug",
    "/proc/scsi",

```

```
"/sys/firmware",
"/sys/devices/virtual/powercap"
],
"ReadOnlyPaths": [
"/proc/bus",
"/proc/fs",
"/proc/iq",
"/proc/sys",
"/proc/sysrq-trigger"
],
"GraphDriver": {
"Data": {
"LowerDir":
"/var/lib/docker/overlay2/ea5da4af97bd8638daalef670b6c1a6a000f2aab77dffcd09f168c9a17174408-init/diff:/var/lib/docker/overlay2/2b7d23dddec639121e941a5478
8223cfa8eed28fef788323a1285f5fd5120eb9/diff:/var/lib/docker/overlay2/6d6e692376ccd7552ef426ae095a755ab4b898fffc8aeldcb61e91969736a3744/diff:/var/lib/dock
er/overlay2/612652a712c6b08b28f1762b1374f5e26e0cd22d2fa707b2b6afa30c84ae89f40/diff:/var/lib/docker/overlay2/18f0500fe9c5e41e9b346623f313d5ebb8442b37fe957
75d6ff783a0c104eac3/diff:/var/lib/docker/overlay2/4ad9bbbfa05a965b0cf45303229d81b02a48cb81b3ab2d34cf10c593e289ceaf/diff:/var/lib/docker/overlay2/5e79db5
0cb328ab61a8c5143d61acfb27ab4fa68e9106795c13199df7998eee0/diff:/var/lib/docker/overlay2/70d95eac9f3dbed3656c0375ec3bc030acfc6f3b1504ace5075b507a99f29bff
/diff:/var/lib/docker/overlay2/0474dea494e995ef53b7b16ddcad658521298957ce16672de0e65368cec7cf30/diff:/var/lib/docker/overlay2/7bd6887286b842c5c45b832118
fa4b2010a31d2062840fc38dad34a3c79a8d05/diff:/var/lib/docker/overlay2/6b2df9c6048a0f26b59afd8c7a6031c651cd7a5ec190ceac9bb2eead47bcfc56/diff:/var/lib/dock
er/overlay2/cfbffab2727875a95alc74098354cff727919f64977a83da10492b796ca97dfd/diff:/var/lib/docker/overlay2/edc2a1ecd20e3c1f5fab125226d55e00e943d803d823a
13a855dda75d8a1aedb/diff:/var/lib/docker/overlay2/e2c496838959c6936cb6da145259e043192d9e8aa5e633ce0cd6ae35e44ab1c8/diff:/var/lib/docker/overlay2/530211c
39da7cd35e0c9c895d5db97dee767cec9aa7cf770e63018ec08db586f/diff",
"MergedDir": "/var/lib/docker/overlay2/ea5da4af97bd8638daalef670b6c1a6a000f2aab77dffcd09f168c9a17174408/merged",
"UpperDir": "/var/lib/docker/overlay2/ea5da4af97bd8638daalef670b6c1a6a000f2aab77dffcd09f168c9a17174408/diff",
"WorkDir": "/var/lib/docker/overlay2/ea5da4af97bd8638daalef670b6c1a6a000f2aab77dffcd09f168c9a17174408/work"
},
"Name": "overlay2"
},
"Mounts": [
{
"Type": "bind",
"Source": "/data",
"Destination": "/var/lib/postgresql/data",
"Mode": "",
"RW": true,
"Propagation": "rprivate"
}
],
"Config": {
"Hostname": "afc39c0fe8ec",
"Domainname": "",
"User": "",
"AttachStdin": false,
"AttachStdout": false,
"AttachStderr": false,
"ExposedPorts": {
"5432/tcp": {}
},
"TTY": false,
"OpenStdin": false,
"StdinOnce": false,
"Env": [
"POSTGRES_PASSWORD=ASSIGNMENT1",
"PGDATA=/var/lib/postgresql/data/pgdata",
"PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/lib/postgresql/17/bin",
"GOSTU_VERSION=1.17",
"LANG=en_US.utf8",
"PG_MAJOR=17",
"PG_VERSION=17.2-1.pgdl20+1"
],
"Cmd": [
"postgres"
],
"Image": "postgres",
"Volumes": {
"/var/lib/postgresql/data": {}
},
"WorkingDir": "",
"Entrypoint": [
"docker-entrypoint.sh"
],
"OnBuild": null,
"Labels": {},
"StopSignal": "SIGINT"
},
"NetworkSettings": {
"Bridge": "",
"SandboxID": "83b3c39ed876127333fcee9578fec77795c0273246f4120aa33f90138616ea47",
"SandboxKey": "/var/run/docker/netns/83b3c39ed876",
"Ports": {
"5432/tcp": [
{
"HostIp": "0.0.0.0",
"HostPort": "5432"
},
{
"HostIp": ":::",
"HostPort": "5432"
}
]
}
},
"HairpinMode": false,
"LinkLocalIPv6Address": "",
"LinkLocalIPv6PrefixLen": 0,
"SecondaryIPAddresses": null,
"SecondaryIPv6Addresses": null,
"EndpointID": ""
}
```

```

"Gateway": "",
"GlobalIPv6Address": "",
"GlobalIPv6PrefixLen": 0,
"IPAddress": "",
"IPPrefixLen": 0,
"IPv6Gateway": "",
"MacAddress": "",
"Networks": {
  "cs548-network": {
    "IPAMConfig": null,
    "Links": null,
    "Aliases": [
      "afc39c0fe8ec"
    ],
    "MacAddress": "02:42:ac:12:00:03",
    "NetworkID": "ce37ace22dc56f5973ald5fa910288a9496785caf984703a367bb34f39727d63",
    "EndpointID": "c321fd78aba7856bd429a3a53da57712155589324e4661d6d5f040bd660d4770",
    "Gateway": "172.18.0.1",
    "IPAddress": "172.18.0.3",
    "IPPrefixLen": 16,
    "IPv6Gateway": "",
    "GlobalIPv6Address": "",
    "GlobalIPv6PrefixLen": 0,
    "DriverOpts": null,
    "DNSNames": [
      "cs548db",
      "afc39c0fe8ec"
    ]
  }
}
}
}
}
]
[ec2-user@ip-172-31-39-74 ~]$
[ec2-user@ip-172-31-39-74 ~]$

```

## Output for container “chat”:

```

[ec2-user@ip-172-31-39-74 ~]$ docker inspect chat
[
  {
    "Id": "91fc803039ae4683b6b37e557236418639501693ad115b1309aae3e0243e9550",
    "Created": "2025-01-31T18:01:50.133342172Z",
    "Path": "/bin/sh",
    "Args": [
      "entrypoint.sh",
      "--contextroot",
      "chat",
      "--deploy",
      "/opt/payara/deployments/chat-webapp.war"
    ],
    "State": {
      "Status": "running",
      "Running": true,
      "Paused": false,
      "Restarting": false,
      "OOMKilled": false,
      "Dead": false,
      "Pid": 3612,
      "ExitCode": 0,
      "Error": "",
      "StartedAt": "2025-01-31T19:18:27.970570948Z",
      "FinishedAt": "2025-01-31T19:16:50.556093933Z"
    },
    "Image": "sha256:64e2ff76315a04f45c9c35c62f024e2dbdd187c186d008506b11267993f8670f",
    "ResolvConfPath": "/var/lib/docker/containers/91fc803039ae4683b6b37e557236418639501693ad115b1309aae3e0243e9550/resolv.conf",
    "HostnamePath": "/var/lib/docker/containers/91fc803039ae4683b6b37e557236418639501693ad115b1309aae3e0243e9550/hostname",
    "HostsPath": "/var/lib/docker/containers/91fc803039ae4683b6b37e557236418639501693ad115b1309aae3e0243e9550/hosts",
    "LogPath":
"/var/lib/docker/containers/91fc803039ae4683b6b37e557236418639501693ad115b1309aae3e0243e9550/91fc803039ae4683b6b37e557236418639501693ad115b1309aae3e0243e9550-json.log",
    "Name": "/chat",
    "RestartCount": 0,
    "Driver": "overlay2",
    "Platform": "linux",
    "MountLabel": "",
    "ProcessLabel": "",
    "AppArmorProfile": "",
    "ExecIDs": null,
    "HostConfig": {
      "Binds": null,
      "ContainerIDFile": "",
      "LogConfig": {
        "Type": "json-file",
        "Config": {}
      },
      "NetworkMode": "cs548-network",
      "PortBindings": {
        "8080/tcp": [
          {
            "HostIp": "",
            "HostPort": "8080"
          }
        ],
        "8181/tcp": [
          {
            "HostIp": "",

```

```

        "HostPort": "8181"
    }
}
},
"RestartPolicy": {
    "Name": "no",
    "MaximumRetryCount": 0
},
"AutoRemove": false,
"VolumeDriver": "",
"VolumesFrom": null,
"ConsoleSize": [
    31,
    115
],
"CapAdd": null,
"CapDrop": null,
"CgroupnsMode": "host",
"Dns": [],
"DnsOptions": [],
"DnsSearch": [],
"ExtraHosts": null,
"GroupAdd": null,
"IpcMode": "private",
"Cgroup": "",
"Links": null,
"OomScoreAdj": 0,
"PidMode": "",
"Privileged": false,
"PublishAllPorts": false,
"ReadonlyRootfs": false,
"SecurityOpt": null,
"UTSMode": "",
"UsersnsMode": "",
"ShmSize": 67108864,
"Runtime": "runc",
"Isolation": "",
"CpuShares": 0,
"Memory": 0,
"NanoCpus": 0,
"CgroupParent": "",
"BlkioWeight": 0,
"BlkioWeightDevice": [],
"BlkioDeviceReadBps": [],
"BlkioDeviceWriteBps": [],
"BlkioDeviceReadIOps": [],
"BlkioDeviceWriteIOps": [],
"CpuPeriod": 0,
"CpuQuota": 0,
"CpuRealtimePeriod": 0,
"CpuRealtimeRuntime": 0,
"CpusetCpus": "",
"CpusetMems": "",
"Devices": [],
"DeviceCgroupRules": null,
"DeviceRequests": null,
"MemoryReservation": 0,
"MemorySwap": 0,
"MemorySwappiness": null,
"OomKillDisable": false,
"PidsLimit": null,
"Ulimits": [
    {
        "Name": "nofile",
        "Hard": 65536,
        "Soft": 32768
    }
],
"CpuCount": 0,
"CpuPercent": 0,
"IOMaximumIOps": 0,
"IOMaximumBandwidth": 0,
"MaskedPaths": [
    "/proc/asound",
    "/proc/acpi",
    "/proc/kcore",
    "/proc/keys",
    "/proc/latency_stats",
    "/proc/timer_list",
    "/proc/timer_stats",
    "/proc/sched_debug",
    "/proc/scsi",
    "/sys/firmware",
    "/sys/devices/virtual/powercap"
],
"ReadonlyPaths": [
    "/proc/bus",
    "/proc/fs",
    "/proc/irq",
    "/proc/sys",
    "/proc/sysrq-trigger"
],
"GraphDriver": {
    "Data": {
        "LowerDir":
"/var/lib/docker/overlay2/407a627425b8ade5418f351475f7e85190129d0195a5e6c4d86688d139c08936-init/diff:/var/lib/docker/overlay2/1fj5dpnn1hmlk51vl3iur3371/diff:/var/lib/docker/overlay2/dd5dcf11bbff13fec373b02ac0e915b3b287d271f2e93c0aef79a87f349e9f9d0/diff:/var/lib/docker/overlay2/475a2ef79ff4fe7cd2a84f19ea8849b00648a56e1435007e7a6d99d5e2bd6cbc6/diff:/var/lib/docker/overlay2/f11149ea9df14f0fc573bed42133c7a37cd3e5da2ad7f0b90ab31e16630e7487/diff:/var/lib/docke

```

```
r/overlay2/460d645bfbb9e07374071e83d7212e0b489a2222d009abf97a75dc85146a5578/diff:/var/lib/docker/overlay2/a4f31cb9e3f3d25e865614c9fbf202b01be9700d44ffe6
09d56542395ed8073f/diff:/var/lib/docker/overlay2/617cbcccb803aae860468e716a22bacfe43b06bcaa0b3ed2c15c3dea3830e1a/diff",
  "MergedDir": "/var/lib/docker/overlay2/407a627425b8ade5418f351475f7e85190129d0195a5e6c4d86688d139c08936/merged",
  "UpperDir": "/var/lib/docker/overlay2/407a627425b8ade5418f351475f7e85190129d0195a5e6c4d86688d139c08936/diff",
  "WorkDir": "/var/lib/docker/overlay2/407a627425b8ade5418f351475f7e85190129d0195a5e6c4d86688d139c08936/work"
},
"Name": "overlay2"
},
"Mounts": [],
"Config": {
  "Hostname": "91fc803039ae",
  "Domainname": "",
  "User": "payara",
  "AttachStdin": false,
  "AttachStdout": false,
  "AttachStderr": false,
  "ExposedPorts": {
    "6900/tcp": {},
    "8080/tcp": {},
    "8181/tcp": {}
  },
  "Tty": false,
  "OpenStdin": false,
  "StdinOnce": false,
  "Env": [
    "DATABASE=cs548",
    "DATABASE_HOST=cs548db",
    "DATABASE_USERNAME=cs548user",
    "DATABASE_PASSWORD=cs548",
    "PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin",
    "LANG=en_US.UTF-8",
    "LANGUAGE=en_US:en",
    "LC_ALL=en_US.UTF-8",
    "TZ=Etc/UTC",
    "JAVA_HOME=/usr/lib/jvm/zulu21",
    "PAYARA_HOME=/opt/payara",
    "HOME_DIR=/opt/payara",
    "PAYARA_DIR=/opt/payara",
    "SCRIPT_DIR=/opt/payara",
    "DEPLOY_DIR=/opt/payara/deployments",
    "JVM_ARGS=-Djdk.util.zip.disableZip64ExtraFieldValidation=true",
    "MEM_MAX_RAM_PERCENTAGE=70.0",
    "MEM_XSS=512k"
  ],
  "Cmd": [
    "--contextroot",
    "chat",
    "--deploy",
    "/opt/payara/deployments/chat-webapp.war"
  ],
  "Image": "cs548/chat",
  "Volumes": null,
  "WorkingDir": "/opt/payara",
  "Entrypoint": [
    "/bin/sh",
    "entrypoint.sh"
  ],
  "OnBuild": null,
  "Labels": {}
},
"NetworkSettings": {
  "Bridge": "",
  "SandboxID": "8221d3d4fe833c67ccad567e92b77f5400a9bbcclea32b790df5ce36e29a7fda4",
  "SandboxKey": "/var/run/docker/netns/8221d3d4fe83",
  "Ports": {
    "6900/tcp": null,
    "8080/tcp": [
      {
        "HostIp": "0.0.0.0",
        "HostPort": "8080"
      },
      {
        "HostIp": ":",
        "HostPort": "8080"
      }
    ]
  },
  "8181/tcp": [
    {
      "HostIp": "0.0.0.0",
      "HostPort": "8181"
    },
    {
      "HostIp": ":",
      "HostPort": "8181"
    }
  ]
},
"HairpinMode": false,
"LinkLocalIPv6Address": "",
"LinkLocalIPv6PrefixLen": 0,
"SecondaryIPAddresses": null,
"SecondaryIPv6Addresses": null,
"EndpointID": "",
"Gateway": "",
"GlobalIPv6Address": "",
"GlobalIPv6PrefixLen": 0,
"IPAddress": "",
"IPPrefixLen": 0,
"IPv6Gateway": ""
}
```

```

"MacAddress": "",
"Networks": {
  "cs548-network": {
    "IPAMConfig": null,
    "Links": null,
    "Aliases": [
      "91fc803039ae"
    ],
    "MacAddress": "02:42:ac:12:00:02",
    "NetworkID": "ce37ace22dc56f5973a1d5fa910288a9496785caf984703a367bb34f39727d63",
    "EndpointID": "7bfald7f1b07f42e597d4e7d63ffb2d6aeb0f8700600dc75440a3bd185927ffd",
    "Gateway": "172.18.0.1",
    "IPAddress": "172.18.0.2",
    "IPPrefixLen": 16,
    "IPv6Gateway": "",
    "GlobalIPv6Address": "",
    "GlobalIPv6PrefixLen": 0,
    "DriverOpts": null,
    "DNSNames": [
      "chat",
      "91fc803039ae"
    ]
  }
}
}
}
[ec2-user@ip-172-31-39-74 ~]$

```

4) Video demonstration of local browser window showing the “chatwebapp” application deploying and running in your instance. Grader must be able to replicate the successful deployment of the app.

**Google Drive Link:** [UI](#)

5) Video showing the log for the application container, from successful deployment through logging of background operations while interacting with the web application. This does not count if you have not demonstrated the application working.

**Google Drive Link:** [Full Video](#)

**Full Demo of App Deployment where I restarted EC2 Instance which shows automatic restart of all services -** [Full Video](#)

**One Drive Link:** [Full Video](#)