```
C:\Users\CodeLine\Downloads\Docker Comprehensive Tasks\Network Isolation\DockerCompose Codes\ProductionServer>docker compose ps
NAME          IMAGE                                        COMMAND                   SERVICE       CREATED         STATUS                   PORTS
backend-api   productionserver-backend-api                 "dotnet WeatherApp.d…"    backend-api   2 minutes ago   Up About a minute        0.0.0.0:5000->8080/tcp, [::]:5000->8080/tcp
frontend      productionserver-frontend                    "/docker-entrypoint.…"    frontend      2 minutes ago   Up About a minute        0.0.0.0:3000->80/tcp, [::]:3000->80/tcp
sqlserver     mcr.microsoft.com/mssql/server:2022-latest   "/opt/mssql/bin/laun…"    sqlserver     36 minutes ago  Up 2 minutes (healthy)   0.0.0.0:1433->1433/tcp, [::]:1433->1433/tcp

C:\Users\CodeLine\Downloads\Docker Comprehensive Tasks\Network Isolation\DockerCompose Codes\ProductionServer>
```

```
C:\Users\CodeLine\Downloads\Docker Comprehensive Tasks\Network Isolation\DockerCompose Codes\ProductionServer>docker network ls
NETWORK ID     NAME                               DRIVER    SCOPE
b95599052454   bridge                             bridge    local
4628e3194b1d   host                               host      local
6a45a87b0a1a   none                               null      local
6e0f380d4a38   productionserver_backend-network   bridge    local
7aaa5be4f57e   productionserver_frontend-network  bridge    local
```

```
C:\Users\CodeLine\Downloads\Docker Comprehensive Tasks\Network Isolation\DockerCompose Codes\ProductionServer>docker network inspect productionserver_frontend-network
[
    {
        "Name": "productionserver_frontend-network",
        "Id": "7aaa5be4f57e5604277881f2762b5bfc6760fa8e24596a5684b7472a4935f21b",
        "Created": "2025-10-19T06:41:06.327958056Z",
        "Scope": "local",
        "Driver": "bridge",
        "EnableIPv4": true,
        "EnableIPv6": false,
        "IPAM": {
            "Driver": "default",
            "Options": null,
            "Config": [
                {
                    "Subnet": "172.19.0.0/16",
                    "Gateway": "172.19.0.1"
                }
            ]
        },
        "Internal": false,
        "Attachable": false,
        "Ingress": false,
        "ConfigFrom": {
            "Network": ""
        },
        "ConfigOnly": false,
        "Containers": {
            "310278f9da342b5386f03bcdad6447a29446517607f4fc6262320f6602783f3f": {
                "Name": "frontend",
                "EndpointID": "bfe8e05f3fce3a8cb755f912195f490cd350707ee1759ce0d8071c27f6159def",
                "MacAddress": "36:ed:d5:c4:5a:91",
                "IPv4Address": "172.19.0.3/16",
                "IPv6Address": ""
            },
            "8adca93ede78e48af76cfd84dc3bc1df96f59152707ef41ba06eca3ce69de9ef": {
                "Name": "backend-api",
                "EndpointID": "a3206612952179b3a0e634057eb036e26024057f3bd3eb927e909e823279d517",
                "MacAddress": "56:24:7f:de:83:24",
                "IPv4Address": "172.19.0.2/16",
                "IPv6Address": ""
            }
        },
        "Options": {
            "com.docker.network.enable_ipv4": "true",
            "com.docker.network.enable_ipv6": "false"
        },
        "Labels": {
            "com.docker.compose.config-hash": "31c29f20af91d40a4fd789f95ecb7c6bb48a64302f9ff1607e955387b4e75157",
            "com.docker.compose.network": "frontend-network",
            "com.docker.compose.project": "productionserver",
            "com.docker.compose.version": "2.40.0"
        }
    }
]
```

C:\Users\CodeLine\Downloads\Docker Comprehensive Tasks\Network Isolation\DockerCompose Codes\ProductionServer>docker network inspect productionserver_backend-network
[
    {
        "Name": "productionserver_backend-network",
        "Id": "6e0f380d4a38763a5e61b84f33ab86379d2cdf4567ef424fdd04603013240112",
        "Created": "2025-10-19T06:41:06.2546213292Z",
        "Scope": "local",
        "Driver": "bridge",
        "EnableIPv4": true,
        "EnableIPv6": false,
        "IPAM": {
            "Driver": "default",
            "Options": null,
            "Config": [
                {
                    "Subnet": "172.18.0.0/16",
                    "Gateway": "172.18.0.1"
                }
            ]
        },
        "Internal": false,
        "Attachable": false,
        "Ingress": false,
        "ConfigFrom": {
            "Network": ""
        },
        "ConfigOnly": false,
        "Containers": {
            "8adca93ede78e48af76cfd84dc3bc1df96f59152707ef41ba06eca3ce69de9ef": {
                "Name": "backend-api",
                "EndpointID": "eb3f0fc6a135bb612f989c8b26f63c2fdc92d6401a7e9193623dbdedc3647d9c",
                "MacAddress": "62:71:60:64:08:52",
                "IPv4Address": "172.18.0.3/16",
                "IPv6Address": ""
            },
            "ff5308e9716ce6d5deda1d1cd3e29f47e67977cc2322d339f037b56cf8823b75": {
                "Name": "sqlserver",
                "EndpointID": "36cdddcabc2998a9a9582ad68b3e0a879c549eacd0e2abb418739ceeeb74062d",
                "MacAddress": "b6:a9:33:11:32:d4",
                "IPv4Address": "172.18.0.2/16",
                "IPv6Address": ""
            }
        },
        "Options": {
            "com.docker.network.enable_ipv4": "true",
            "com.docker.network.enable_ipv6": "false"
        },
        "Labels": {
            "com.docker.compose.config-hash": "9d51102dfc76a121711f05cfe0b7db218b205954e1e7befeaceaf9515bebae10",
            "com.docker.compose.network": "backend-network",
            "com.docker.compose.project": "productionserver",
            "com.docker.compose.version": "2.40.0"
        }
    }
]