Docker Networking

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Docker Network types

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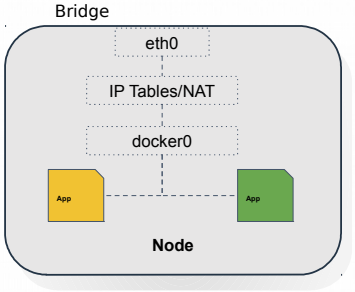
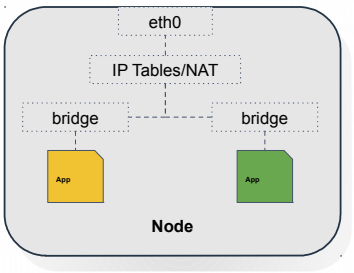
Default Docker Bridge




```
$ docker run ...
```

User Defined Bridges




```
$ docker network create
mynetwork
$ docker run --net=mynetwork ...
```

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Containers on the same user defined bridge network automatically expose ALL ports to each other, despite having their own IP address. But none of the ports are exposed to the outside world unless explicitly published. User defined bridge networks also provide all containers within them with automatic DNS resolution.

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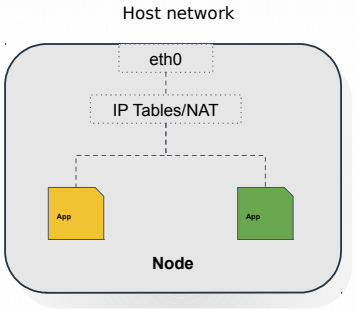


```
$ docker run --
net=host ...
```


When using the host networking option, the container is not isolated from the hosts networking stack and is accessible over the host ip. Here the containers to not get their own IP address and would have a port conflict if attempting to bind the same port.

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Networking Tutorials

https://docs.docker.com/network/network-tutorial-standalone
https://docs.docker.com/network/network-tutorial-host/