

# Communicating Between Docker Containers

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# Module Agenda

Getting Started with  
Container Linking

Linking Containers  
by Name (legacy linking)

Container Linking in Action

Getting Started with  
Container Networks

Container Networks  
in Action

Linking Multiple Containers

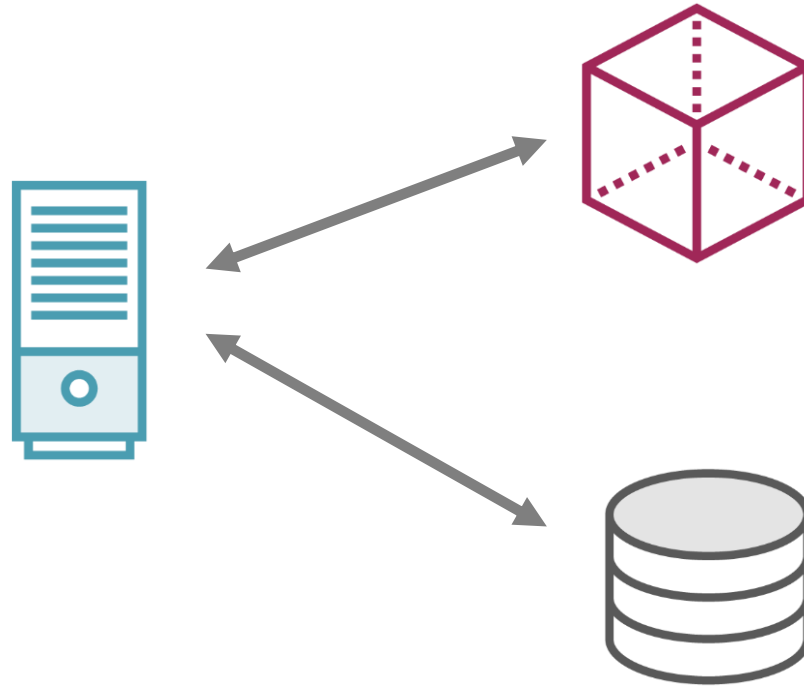


# Getting Started with Container Linking

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# The Need for Linked Containers



# Docker Container Linking Options

An orange square button with a thin black border, containing the text "Use Legacy Linking" in white.

Use Legacy  
Linking

A blue square button with a thin black border, containing the text "Add Containers to a Bridge Network" in white.

Add Containers  
to a Bridge  
Network



# Linking Containers by Name (legacy linking)

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# Steps to Link Containers

Run a  
Container with  
a Name

1

Link to Running  
Container by  
Name

2

Repeat for  
Additional  
Containers

3



# 1 Run a Container with a Name

```
docker run -d --name my-postgres postgres
```

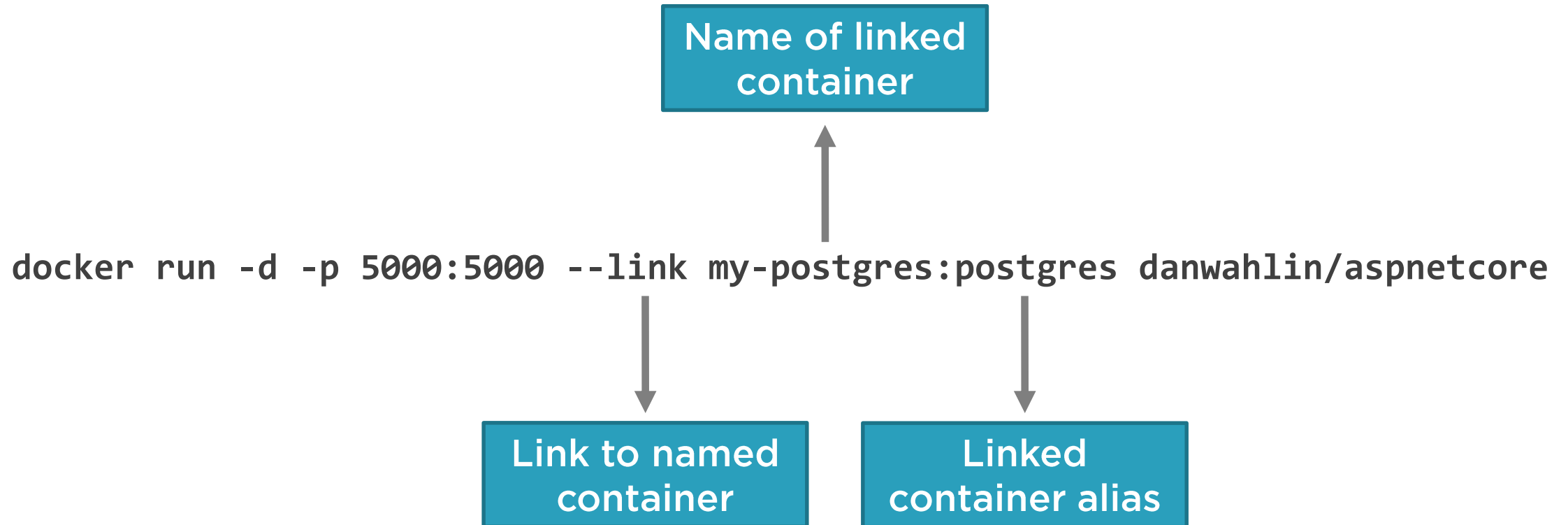


Define a name for  
the container

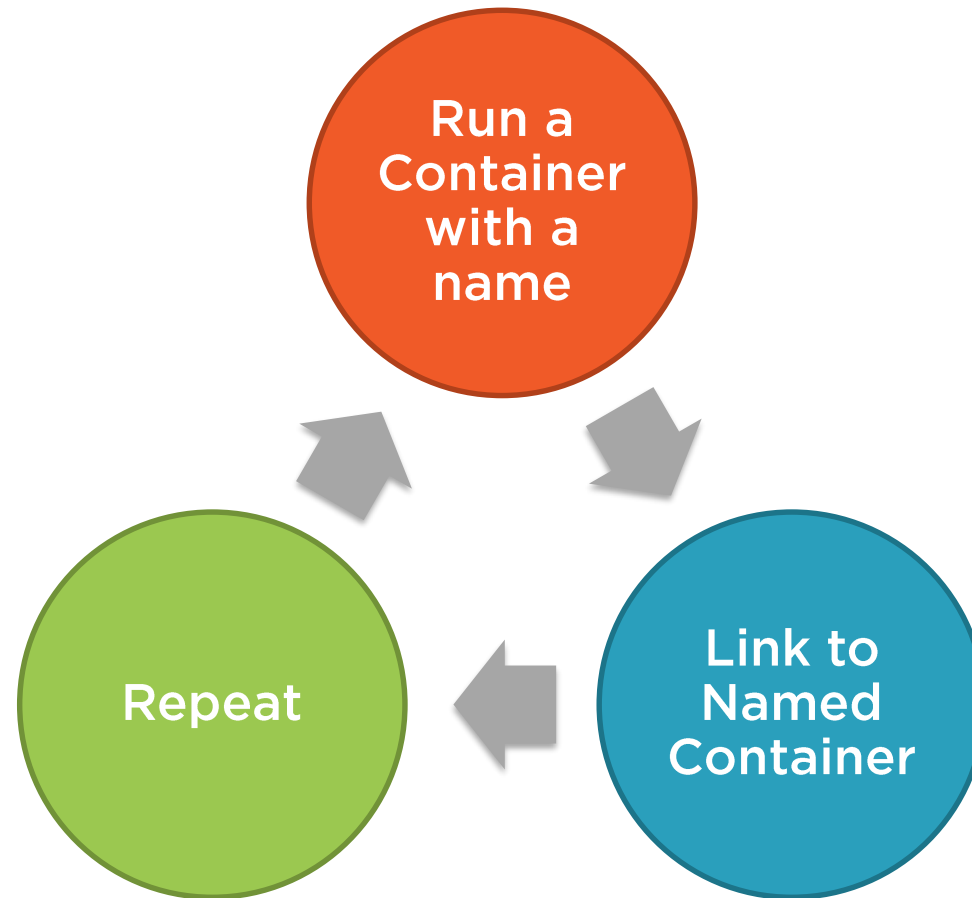




## 2 Link to Running Container By Name



### 3 Repeat for Additional Containers



# Linking Node.js and MongoDB Containers

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# Linking ASP.NET Core and PostgreSQL Containers

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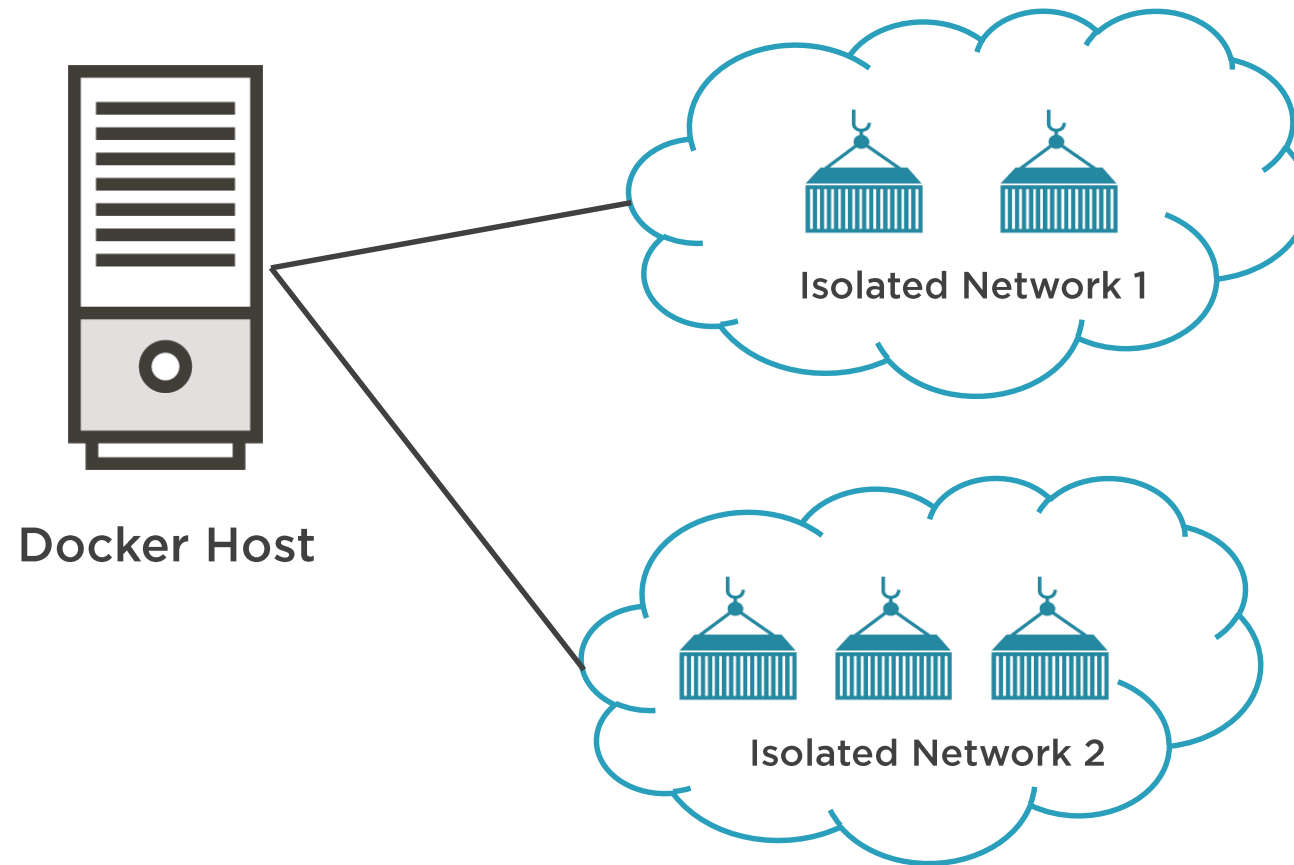


# Getting Started with Container Networks

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# Understanding Container Networks



# Steps to Create a Container Network

Create a  
Custom Bridge  
Network

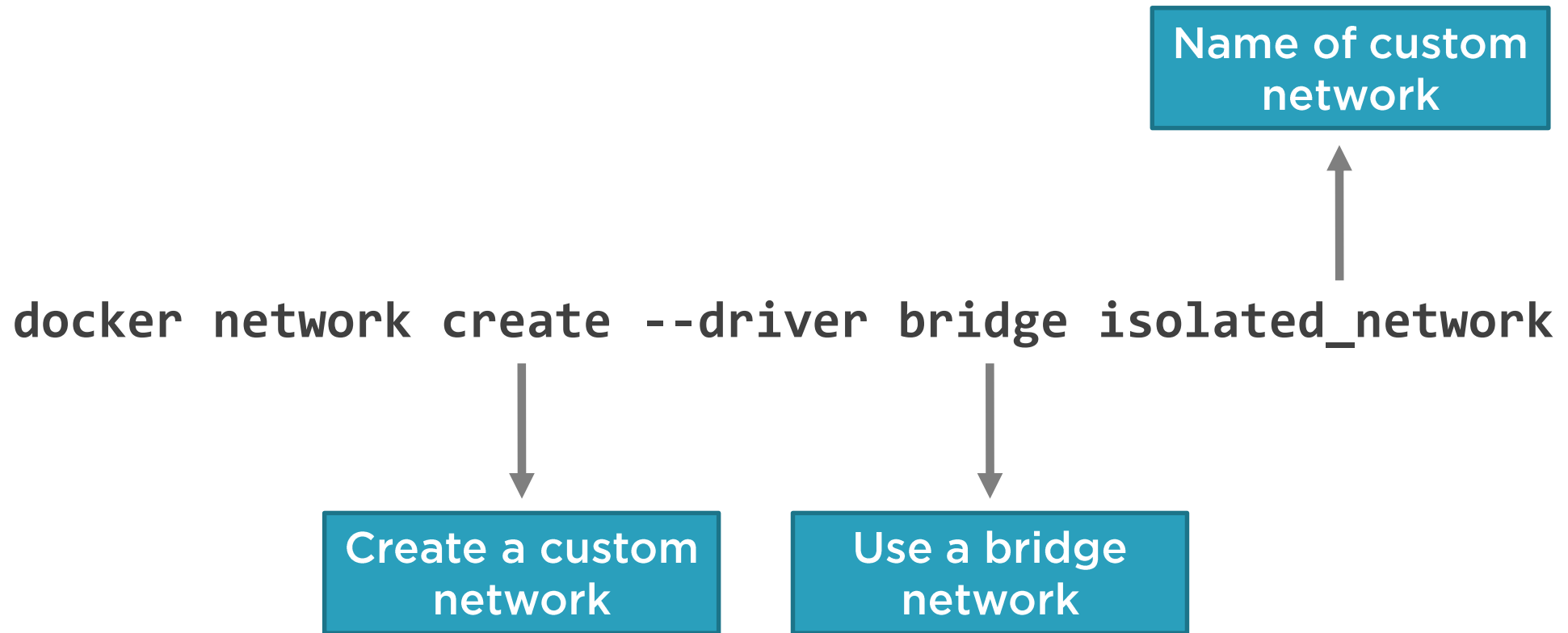
1

Run Containers  
in the Network

2

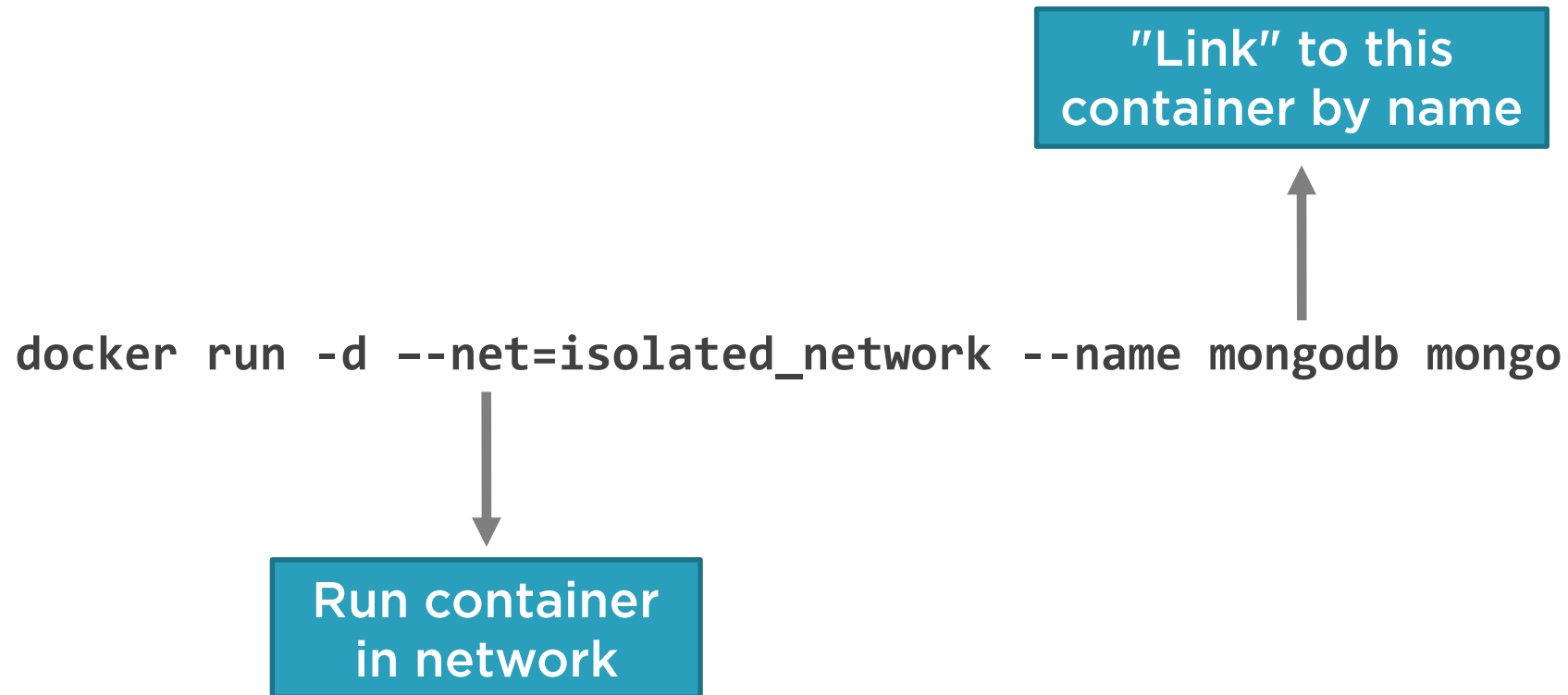


# 1 Create a Custom Container Network





## 2 Run Containers in the Container Network



# Container Networks in Action

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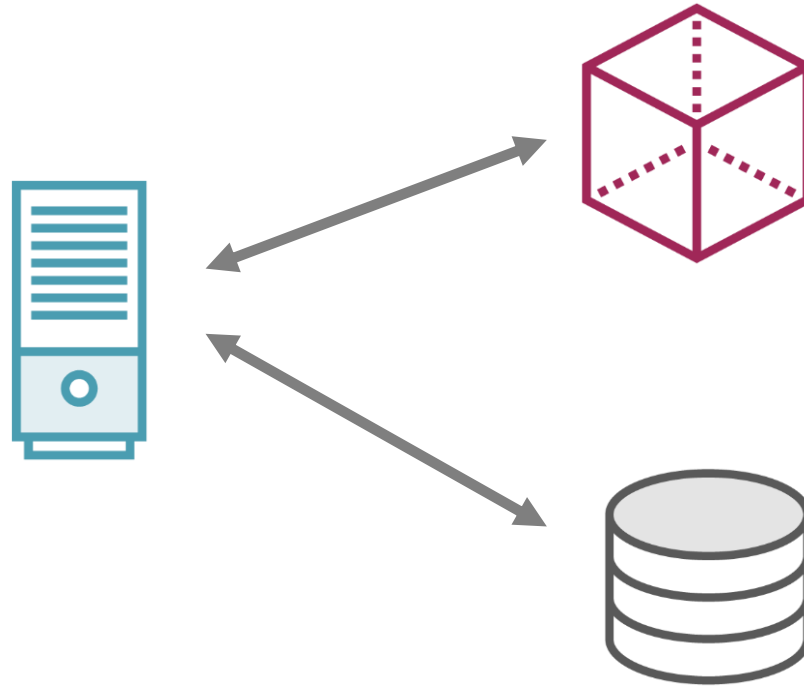


# Linking Multiple Containers

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# Is There an Easier Way?



# Docker Compose Can Simplify Container Linking



# Summary



Docker containers communicate using link or network functionality

The `--link` switch provides "legacy linking"

The `--net` command-line switch can be used to setup a bridge network

Docker Compose can be used to link multiple containers to each other

