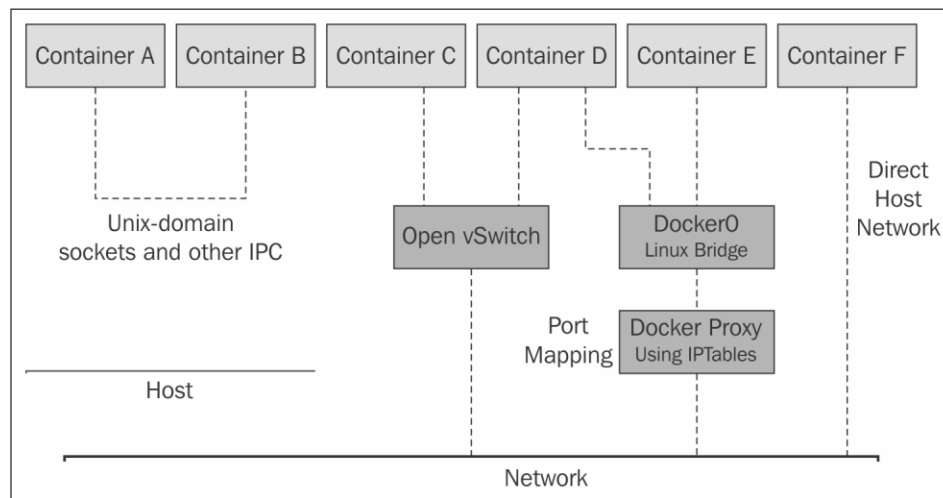
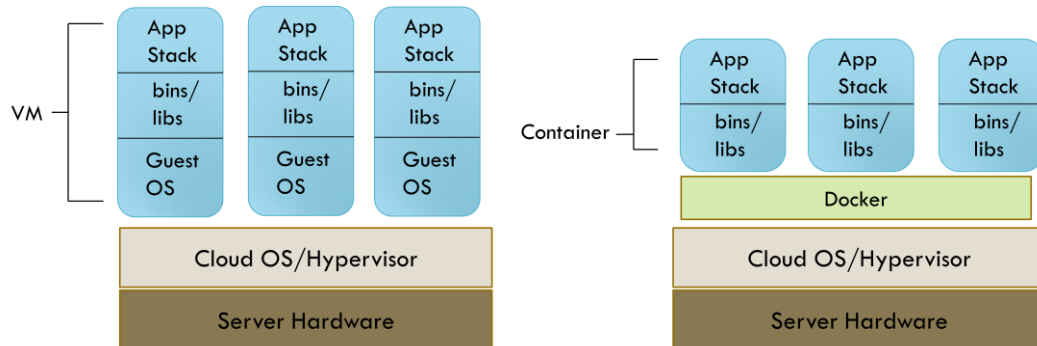
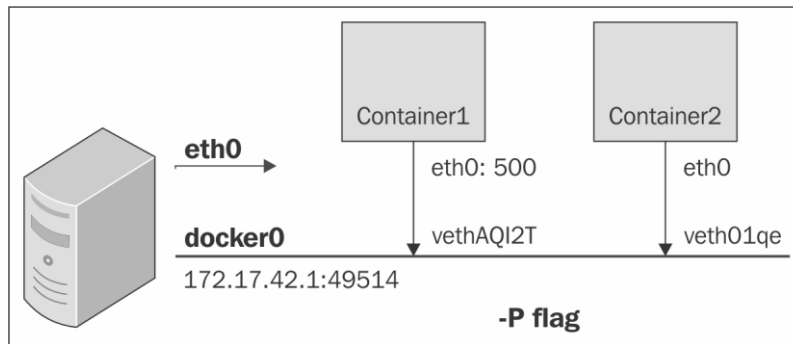
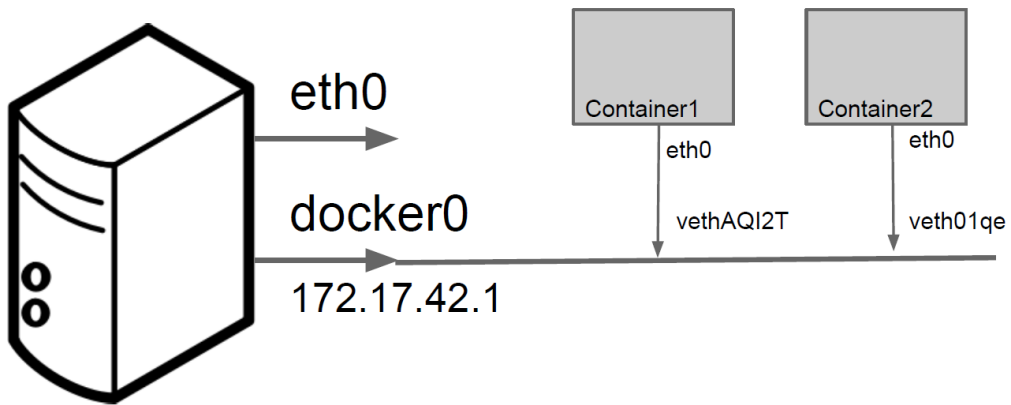
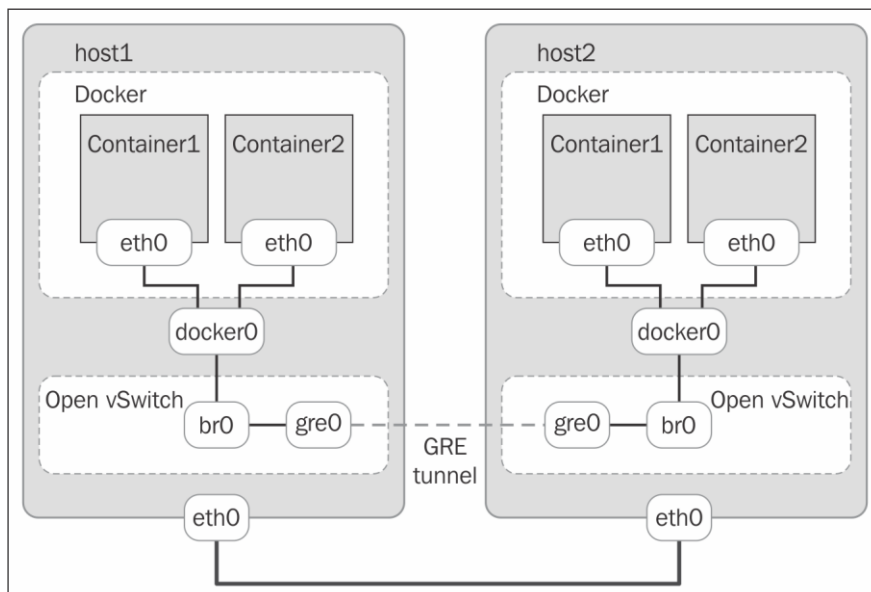
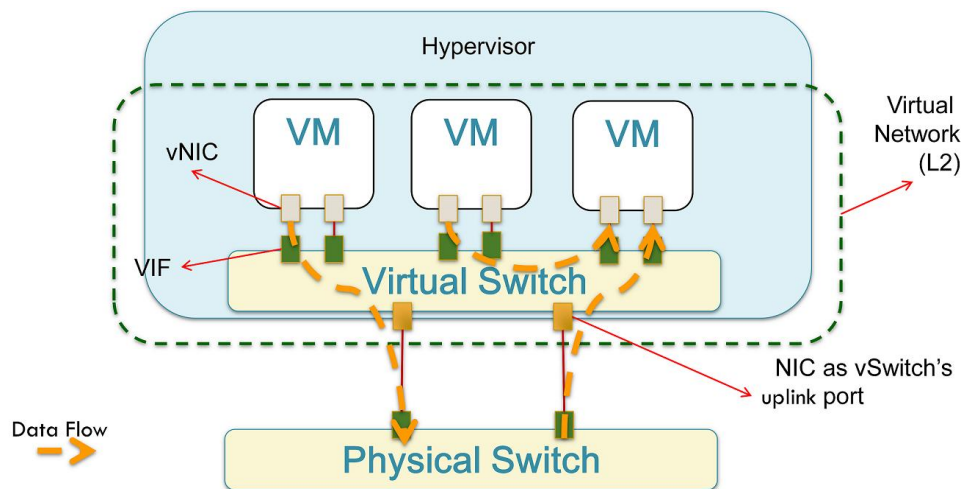
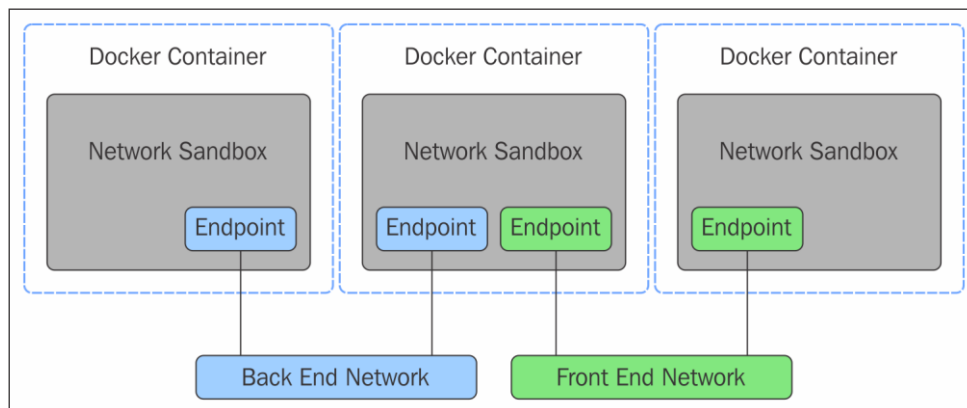
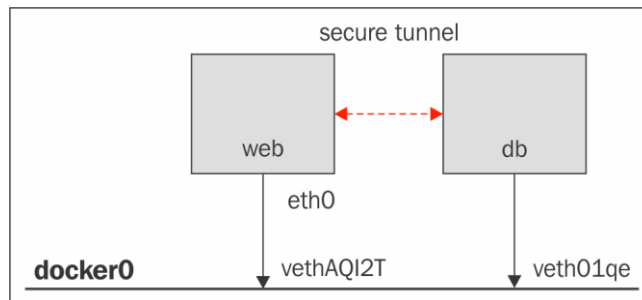
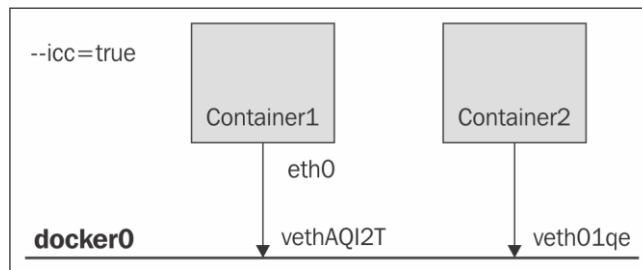


Chapter 1: Docker Networking Primer

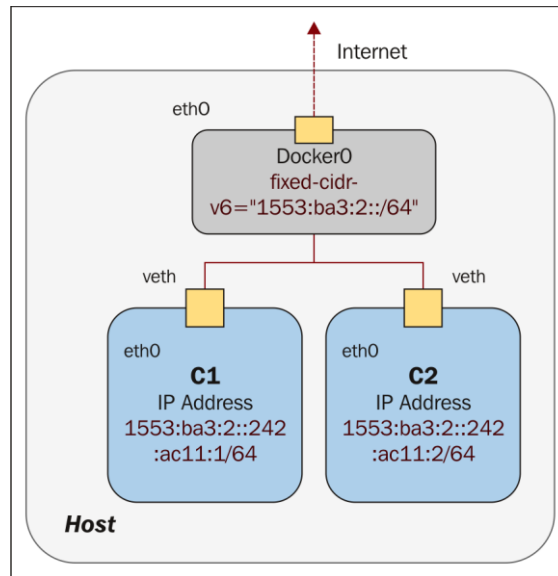


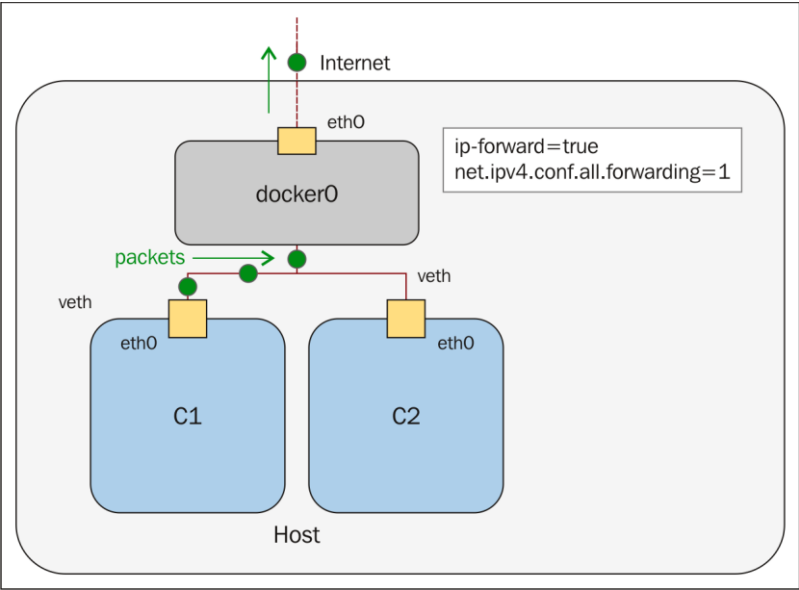
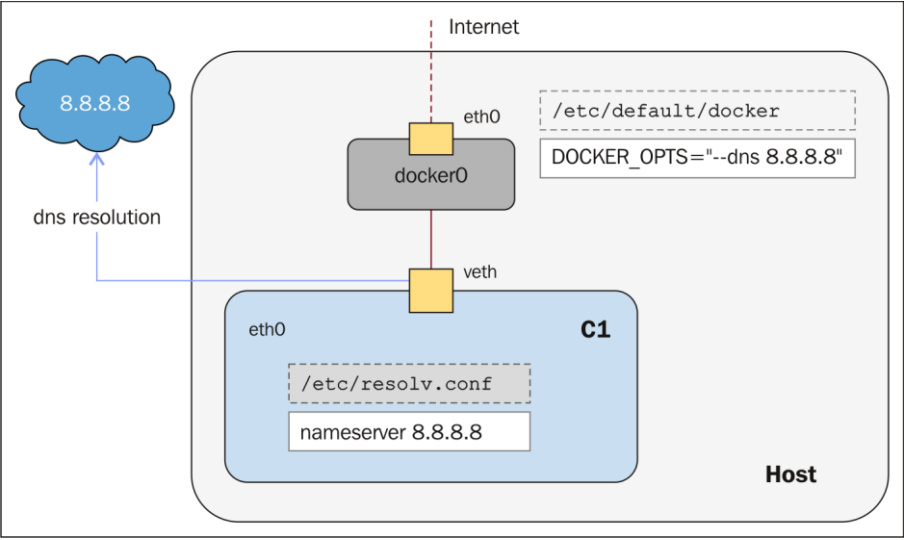


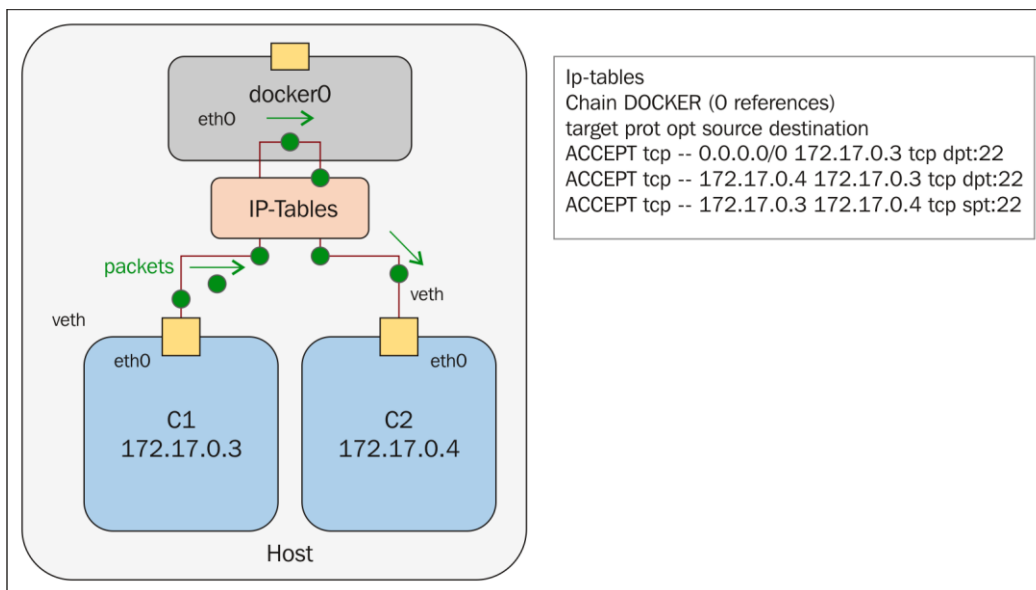
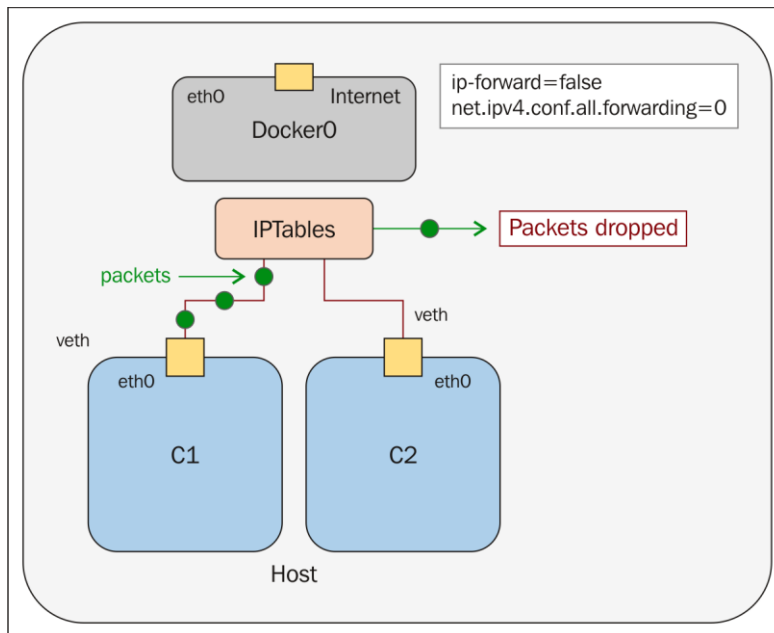


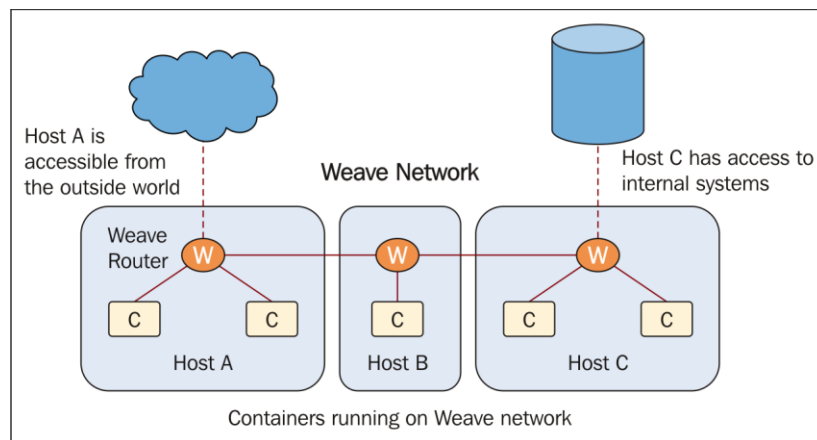
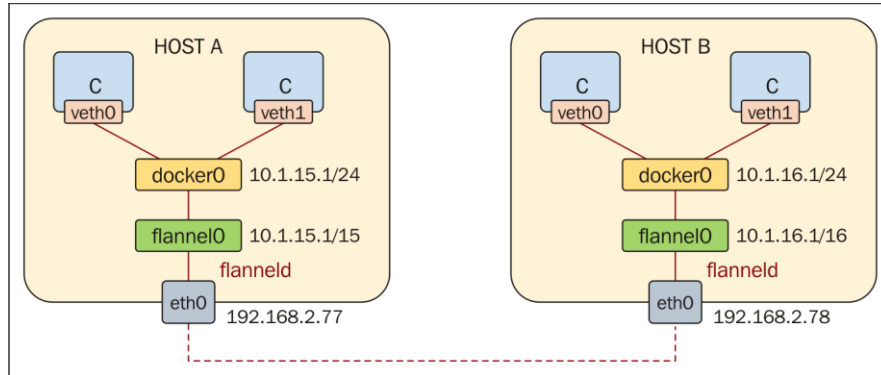


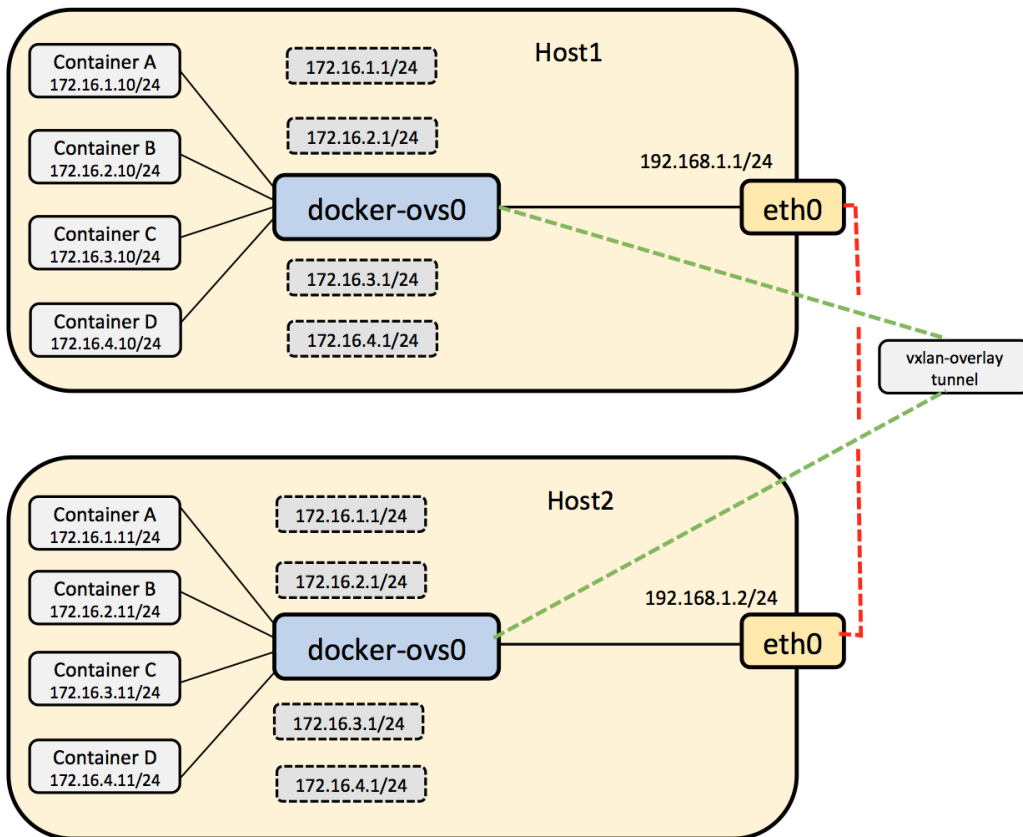
Chapter 2: Docker Networking Internals



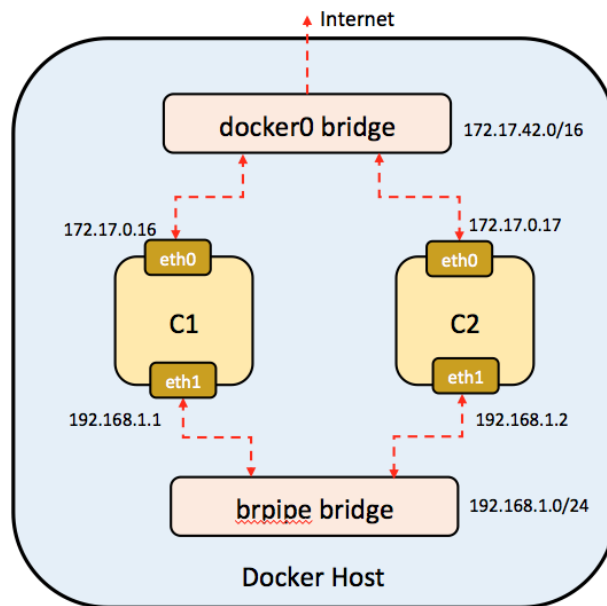


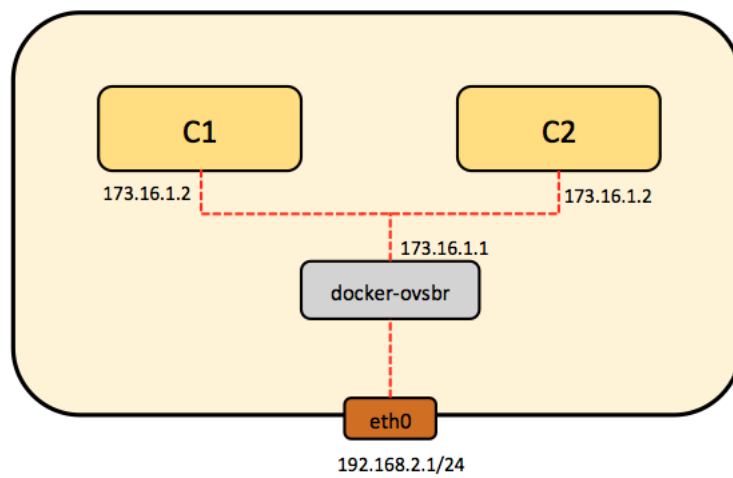
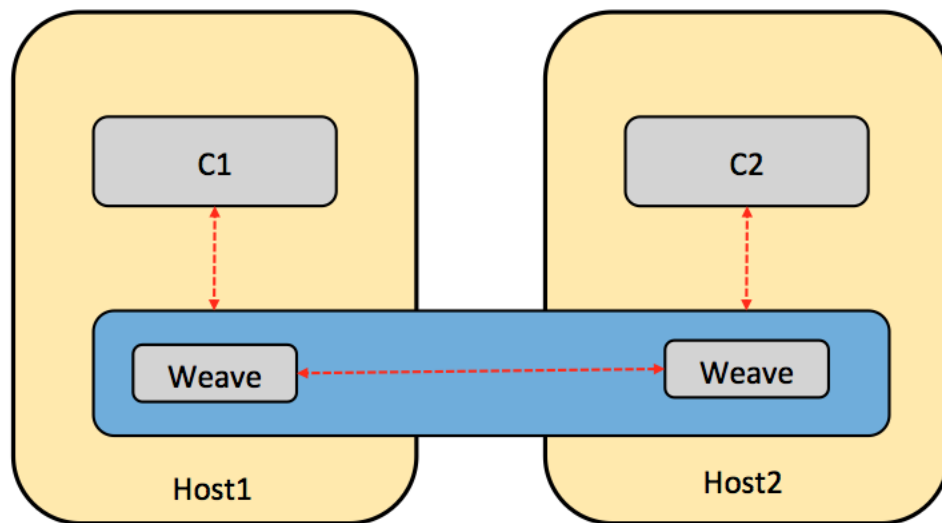


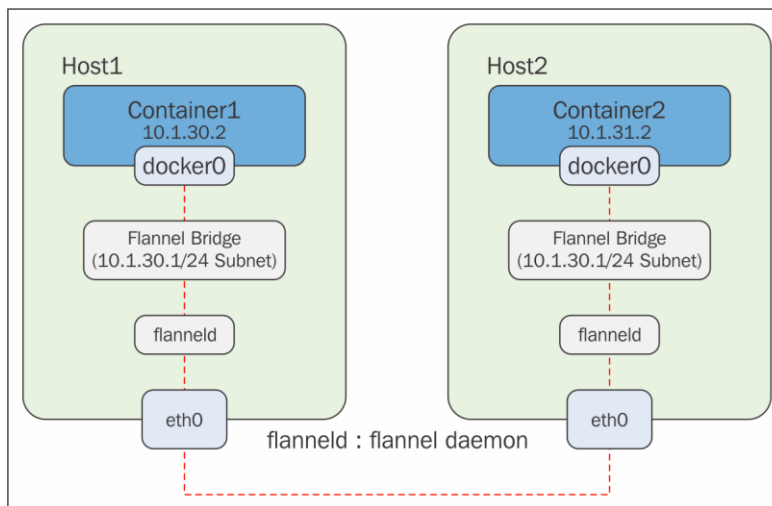
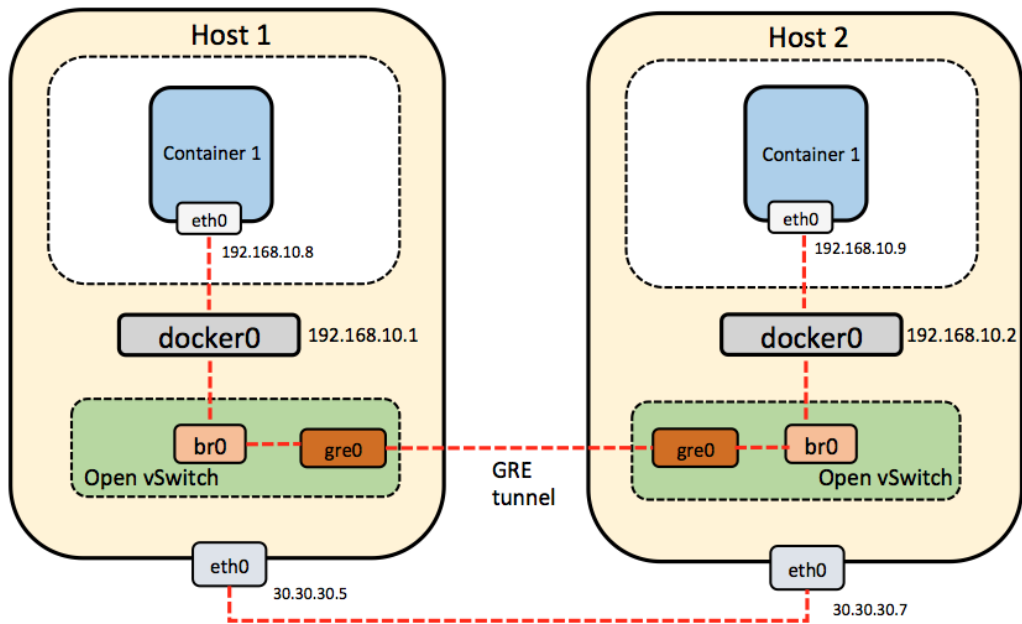




Chapter 3: Building Your First Docker Network

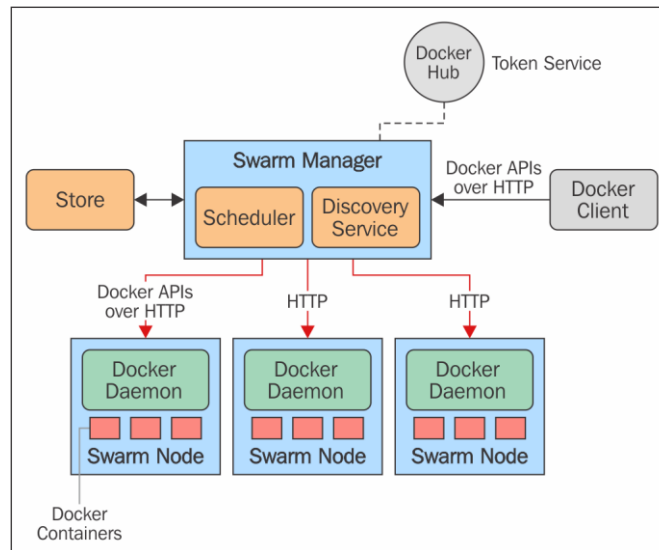


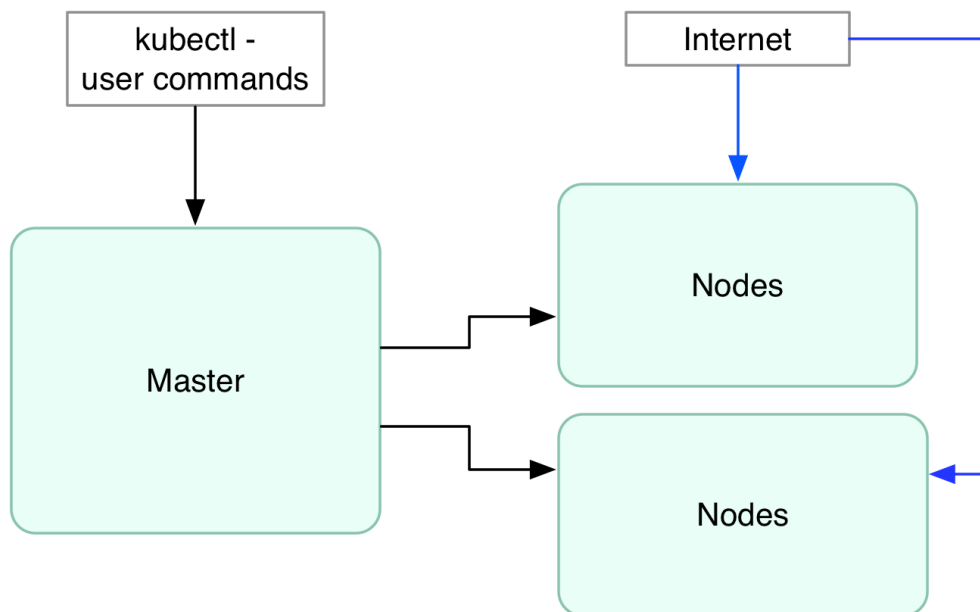




	Network Type
Weave	Virtual Overlay Network
Flannel	Creates separate Subnet
Open vSwitch	GRE Tunneling
Pipework	Legacy Linux Bridge

Chapter 4: Networking in a Docker Cluster







Permissions

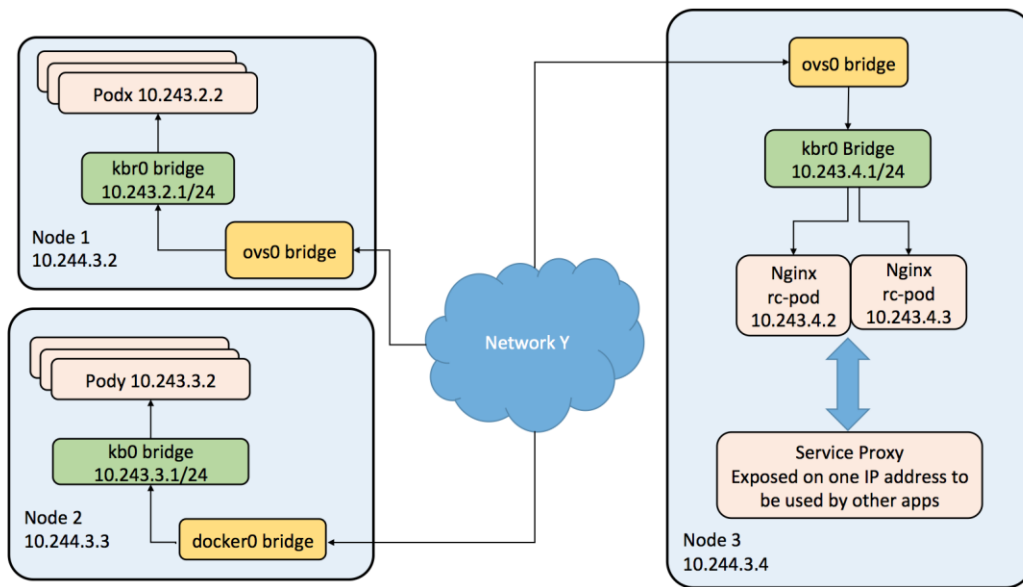
Trust Relationships

Managed Policies

The following managed policies are attached to this role. You can attach up to 10 managed policies.

Attach Policy

Policy Name	Actions
 AmazonEC2FullAccess	Show Policy Detach Policy Simulate Policy
 AmazonS3FullAccess	Show Policy Detach Policy Simulate Policy



Mesos
[Frameworks](#)
[Slaves](#)
[Offers](#)

Master d02378c7-75e6-4af8-8b75-0670690c4189

Cluster: (Unnamed)
Server: 30.30.30.16:5050
Version: 0.25.0
Built: a month ago by root
Started: 3 days ago
Elected: 3 hours ago

[LOG](#)

Slaves

Activated	1
Deactivated	0

Tasks

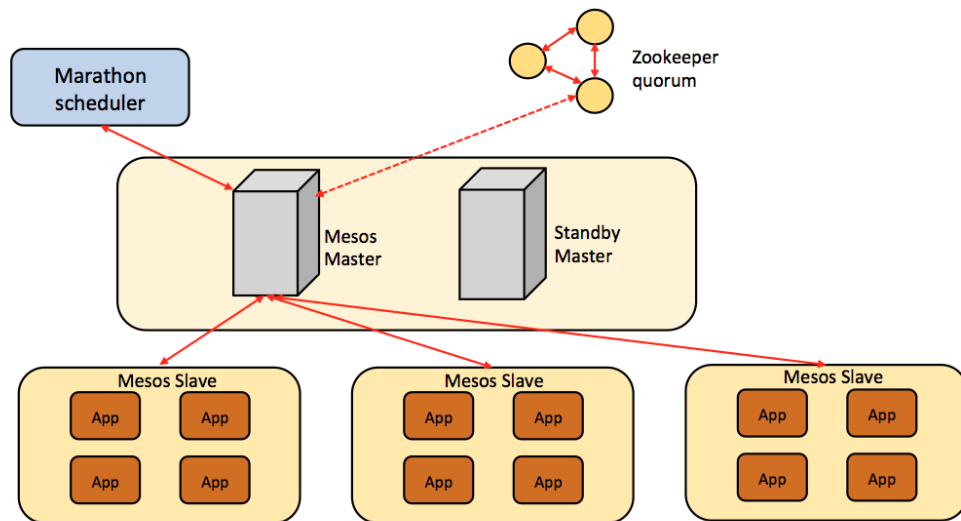
Staged	0
Started	0
Finished	58

Active Tasks

ID	Name	State	Started ▼	Host
ubuntu.95e86cb5-927e-11e5-b488-0242e86e9ff6	ubuntu	STAGING		centos7.novalocal Sandbox
outyet.b30d6c3c-926d-11e5-b488-0242e86e9ff6	outyet	RUNNING	2 hours ago	centos7.novalocal Sandbox

Completed Tasks

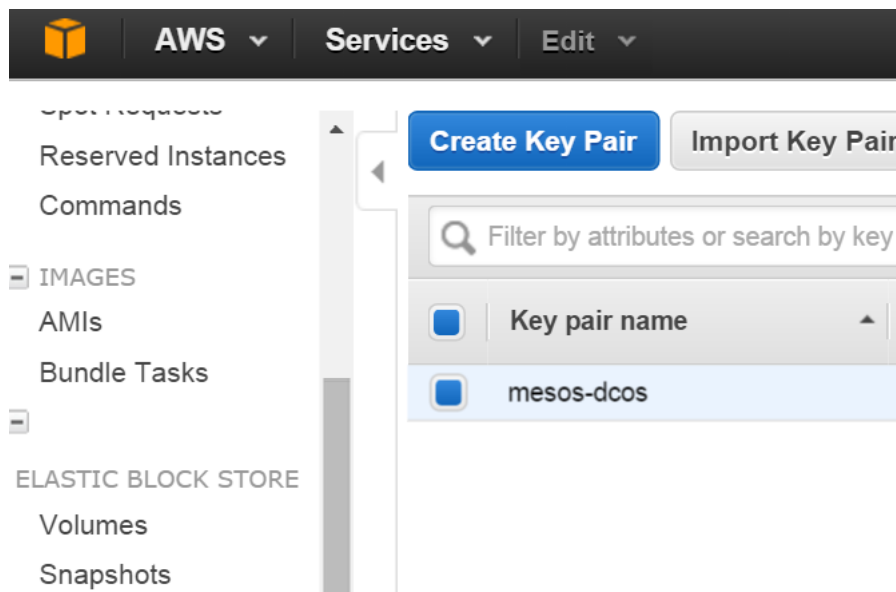
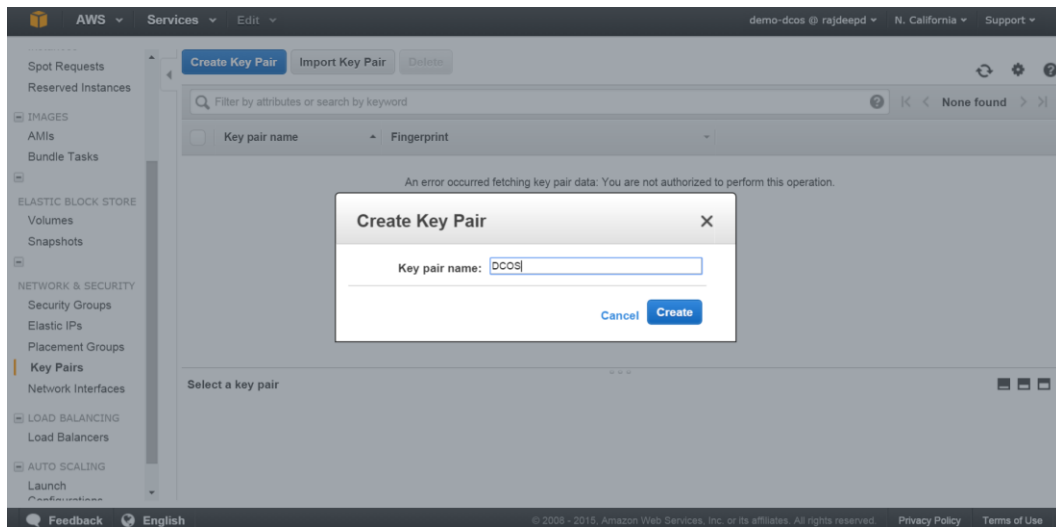
ID	Name	State	Started ▼	Stopped	Host
ubuntu.53b196a4-927e-11e5-b488-0242e86e9ff6	ubuntu	FINISHED	2 minutes ago	a minute ago	centos7.novalocal Sandbox
ubuntu.054e4c13-927e-11e5-b488-0242e86e9ff6	ubuntu	FINISHED	3 minutes ago	3 minutes ago	centos7.novalocal Sandbox
ubuntu.b1364832-927d-11e5-b488-0242e86e9ff6	ubuntu	FINISHED	6 minutes ago	6 minutes ago	centos7.novalocal Sandbox



MARATHON **Apps** Deployments About Docs

+ New App

ID ↕	Memory (MB)	CPUs	Tasks / Instances	Health	Status
/outyet	20	0.2	1 / 1	<div></div>	Running
/ubuntu	20	0.2	0 / 1	<div></div>	Running



Select DCOS AWS Template

Standard AWS Usage Fees Apply.

Select Your AWS Region

US West (N. California) (us-west-1) ▼

Define Stack Configuration


1 Master

HA: 3 Masters

Get Started

Close

For more information on creating a DCOS cluster, see the [Mesosphere Documentation](#).

 AWS ▼

Services ▼

Edit ▼

demo-dcos @ rajdeepd ▼

N. California ▼

Support ▼

Select Template

Specify Details

Options

Review

Select Template

Select the template that describes the stack that you want to create. A stack is a group of related resources that you manage as a single unit.

Design a template

Use AWS CloudFormation Designer to create or modify an existing template. [Learn more.](#)

Design template

Choose a template

A template is a JSON-formatted text file that describes your stack's resources and their properties. [Learn more.](#)

☐ Select a sample template

☐ Upload a template to Amazon S3

Choose File

No file chosen

☒ Specify an Amazon S3 template URL

https://s3.amazonaws.com/downloads.mesosphere.io/dcos/st/

[View in Designer](#)

Cancel

Next

- Select Template
- Specify Details
- Options
- Review

Specify Details

Specify a stack name and parameter values. You can use or change the default parameter values, which are defined in the AWS CloudFormation template. [Learn more.](#)

Stack name

Parameters

AcceptEULA Please read and agree to our EULA: <https://docs.mesosphere.com/community-edition-eula/>

AdminLocation The IP range to whitelist for admin access.

KeyName Name of SSH key to link

PublicSlaveInstanceCount Number of public slave nodes to launch

SlaveInstanceCount Number of slave nodes to launch

- Select Template
- Specify Details
- Options
- Review

Review

Template

Template URL <https://s3.amazonaws.com/downloads.mesosphere.io/dcos/stable/cloudformation/single-master.cloudformation.json>
Description Launching the Mesosphere DCOS cluster
Estimate cost [Cost](#)

Stack details

Stack name Mesos
AcceptEULA Yes
AdminLocation 0.0.0.0/0
KeyName
PublicSlaveInstanceCount 1
SlaveInstanceCount 5
Create IAM resources Yes

Options

AWS

Services

Edit

RDua_Yahoo

N. California

Support

Create Stack

Actions

Design template

C

⚙️

Filter: Active

By Name:

Showing 1 stack

Stack Name	Created Time	Status	Description
<input checked="" type="checkbox"/> Mesos-DCOS	2015-11-22 01:59:05 UTC+0550	CREATE_COMPLETE	Launching the Mesosphere DCOS cluster

Overview

Outputs

Resources

Events

Template

Parameters

Tags

Stack Policy

Key	Value	Description
PublicSlaveDnsAddress	Mesos-DCO-PublicSI-1RECENZALUVA2I-342612872.us-west-1.elb.amazonaws.com	Public slaves
DnsAddress	Mesos-DCO-ElasticL-17LQ4OH09R07-1358461817.us-west-1.elb.amazonaws.com	Master

Feedback

English

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Terms of Use

Mesos-DCOS

54.193.67.78

Dashboard

Services

Nodes

Mesosphere DCOS v 1.3

Services

40%

20%

0%

-60s

-40s

-20s

0

2 Services

All 2

Healthy 2

Unhealthy 0

N/A 0

Filter

SERVICE NAME	HEALTH	TASKS	CPU	MEM	DISK
marathon	Healthy	4	1.03	1.8 GiB	0 B
spark	Healthy	0	0	0 B	0 B

?

Mesos-DCOS

54.193.67.78

Dashboard

Services

Nodes

Mesos-DCOS v 1.3

Services

2 Services

All Health

SERVICE NAME

marathon

spark

Close

Tasks

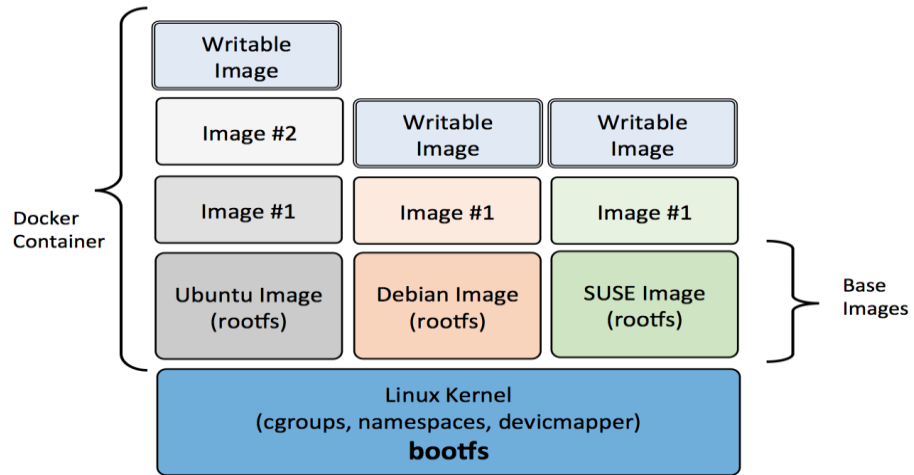
Details

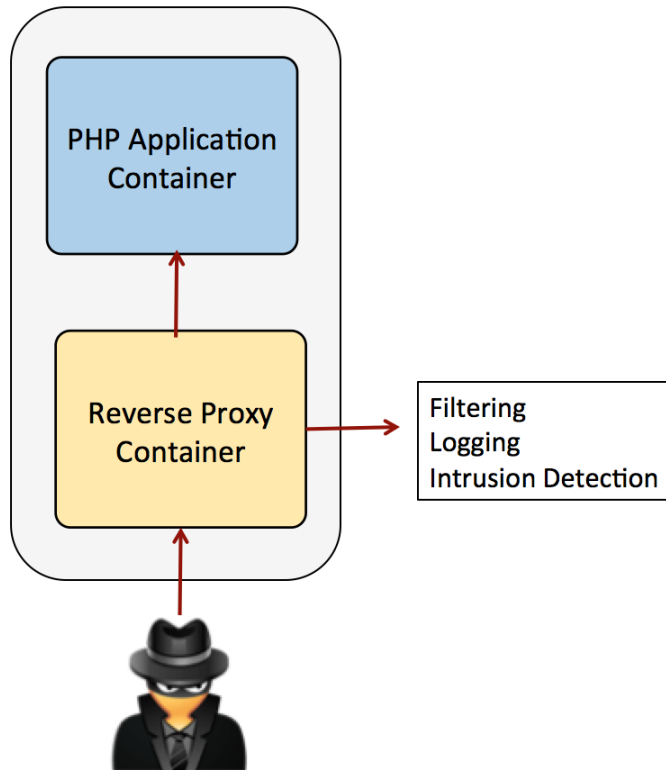
4 Active Tasks

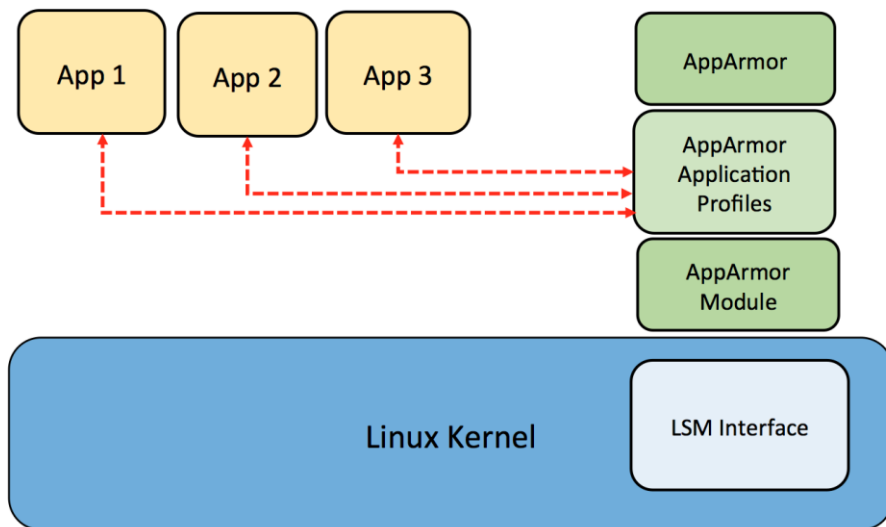
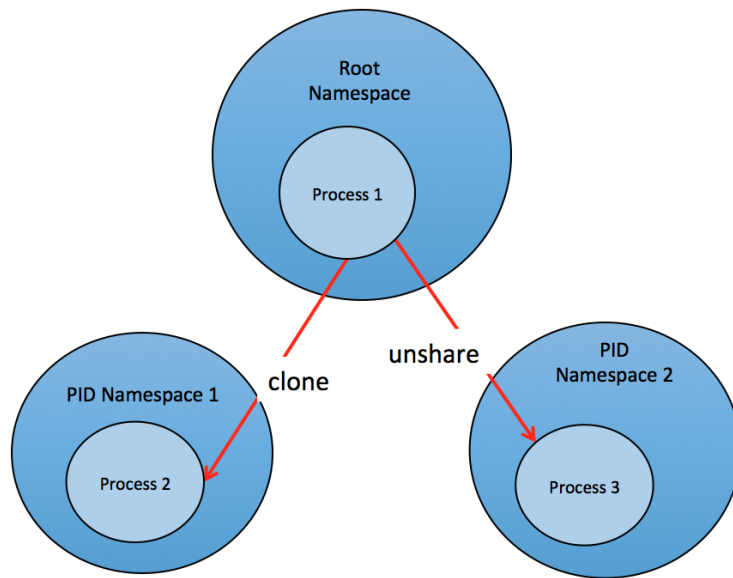
Filter

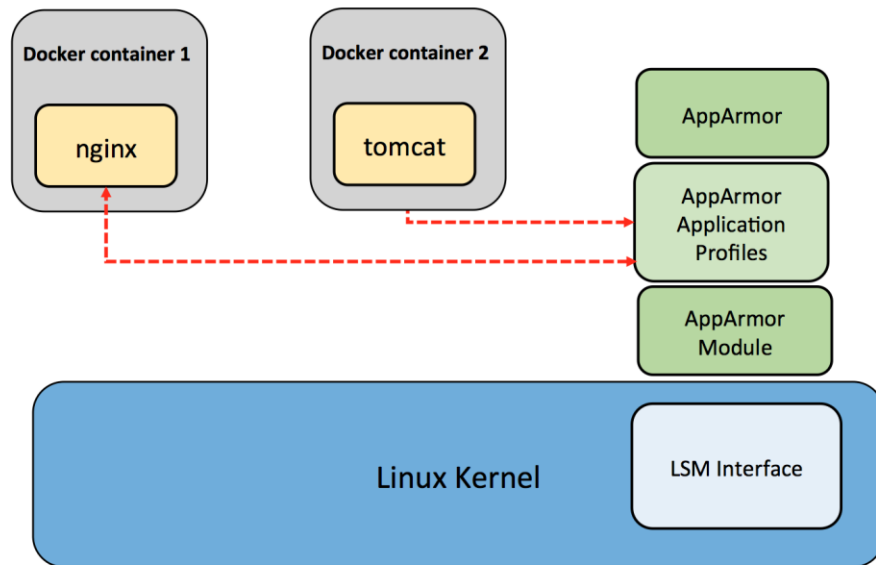
TASK NAME	UPDATED	STATE	CPU	MEMORY
demo	11-22-15 at 6:47 pm	Running	0.01	0.3 GiB
demo	11-22-15 at 6:47 pm	Running	0.01	0.3 GiB
demo	11-22-15 at 6:41 pm	Running	0.01	0.3 GiB
spark	11-22-15 at 6:04 pm	Running	1	1 GiB

Chapter 5: Security and QoS for Docker Containers









Chapter 6: Next Generation Networking Stack for Docker: libnetwork

