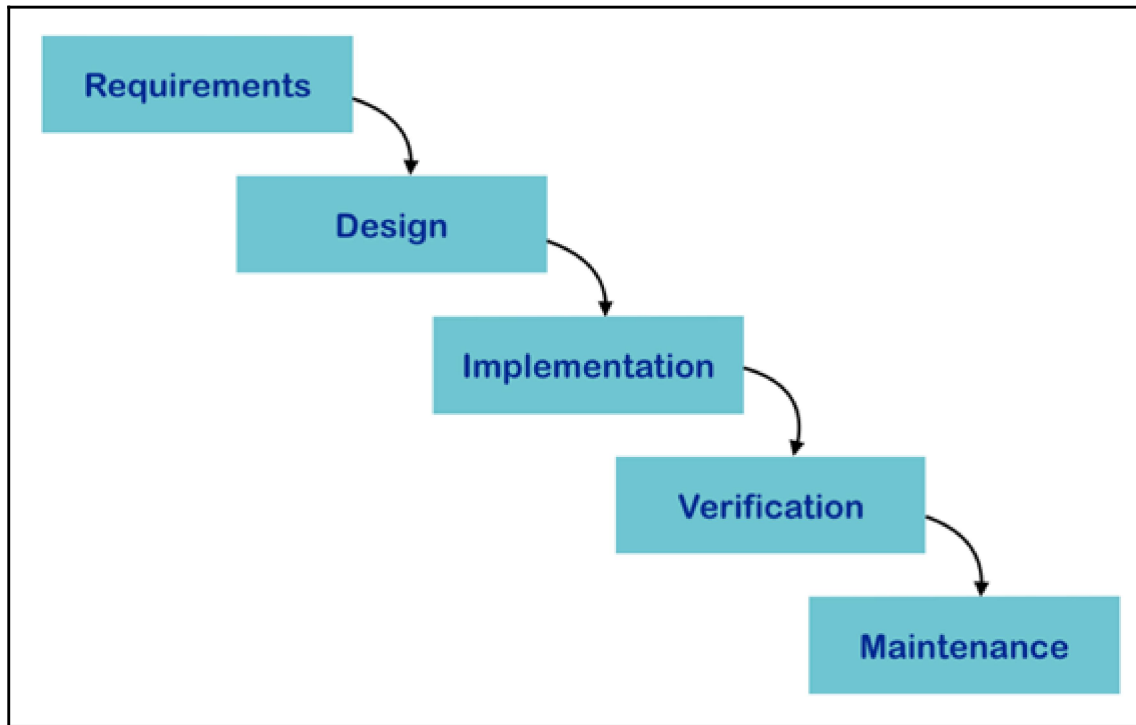
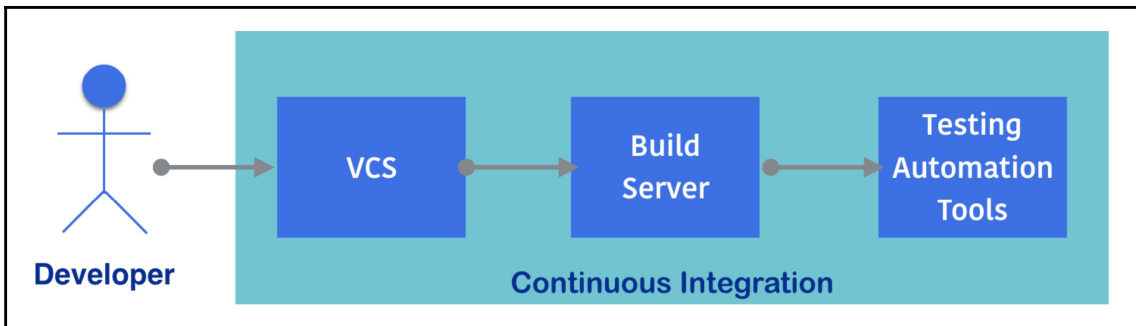
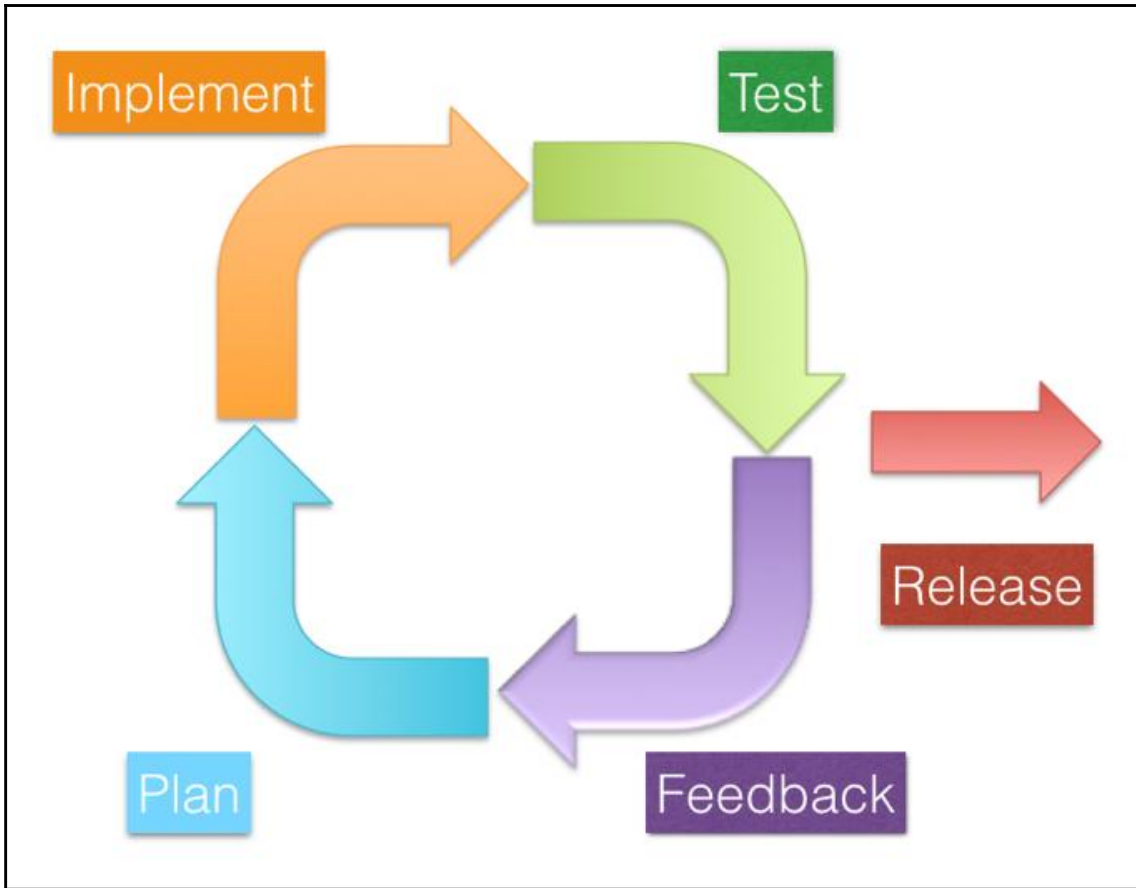
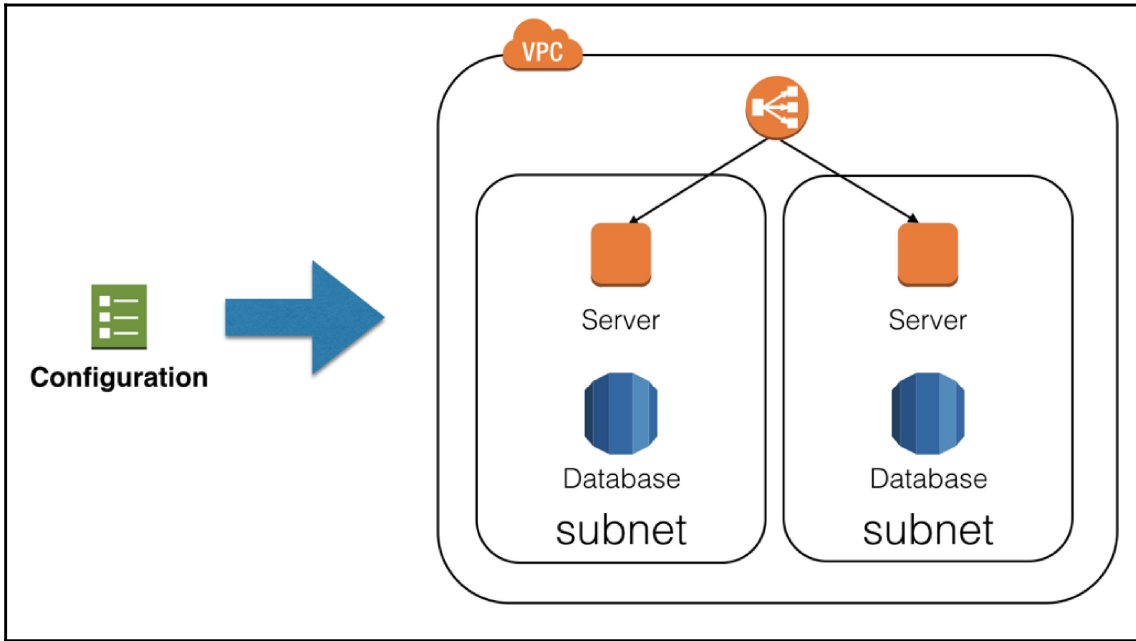
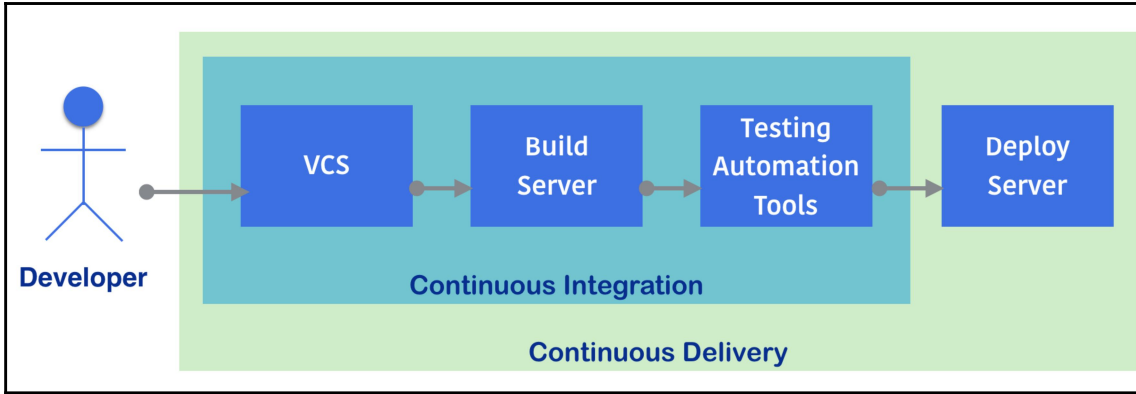


# Chapter 1: Introduction to DevOps







mvnrepository.com/artifact/com.amazonaws/aws-java-sdk/1.11.125

Maven Repository: com.amazonaws » aws-java-sdk » 1.11.125

**MVNREPOSITORY** Search for groups, artifacts, categories Search

Home » com.amazonaws » aws-java-sdk » 1.11.125

**Indexed Artifacts (6.22M)**

**Popular Categories**

- Aspect Oriented
- Actor Frameworks
- Application Metrics
- Build Tools
- Bytecode Libraries
- Command Line Parsers
- Cache Implementations
- Cloud Computing
- Code Analyzers
- Collections
- Configuration Libraries
- Core Utilities
- Date and Time Utilities
- Dependency Injection

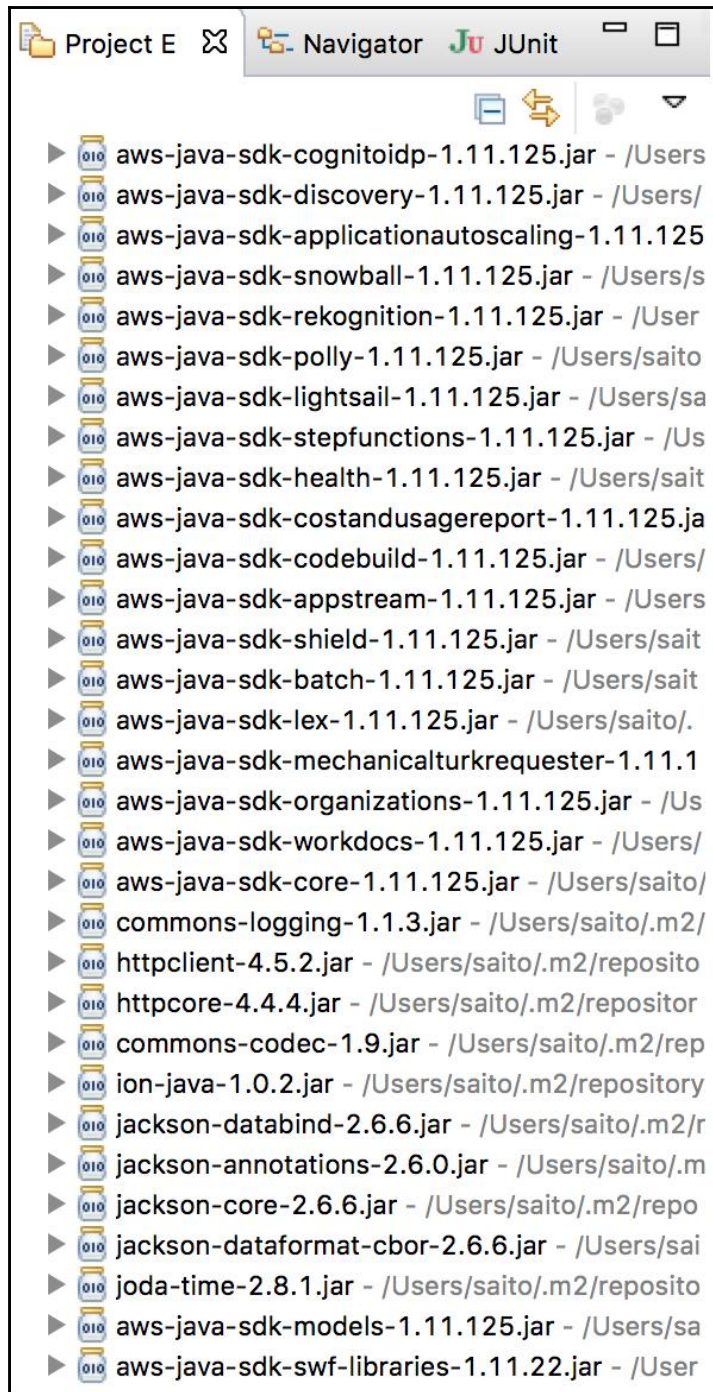
**AWS SDK For Java » 1.11.125**

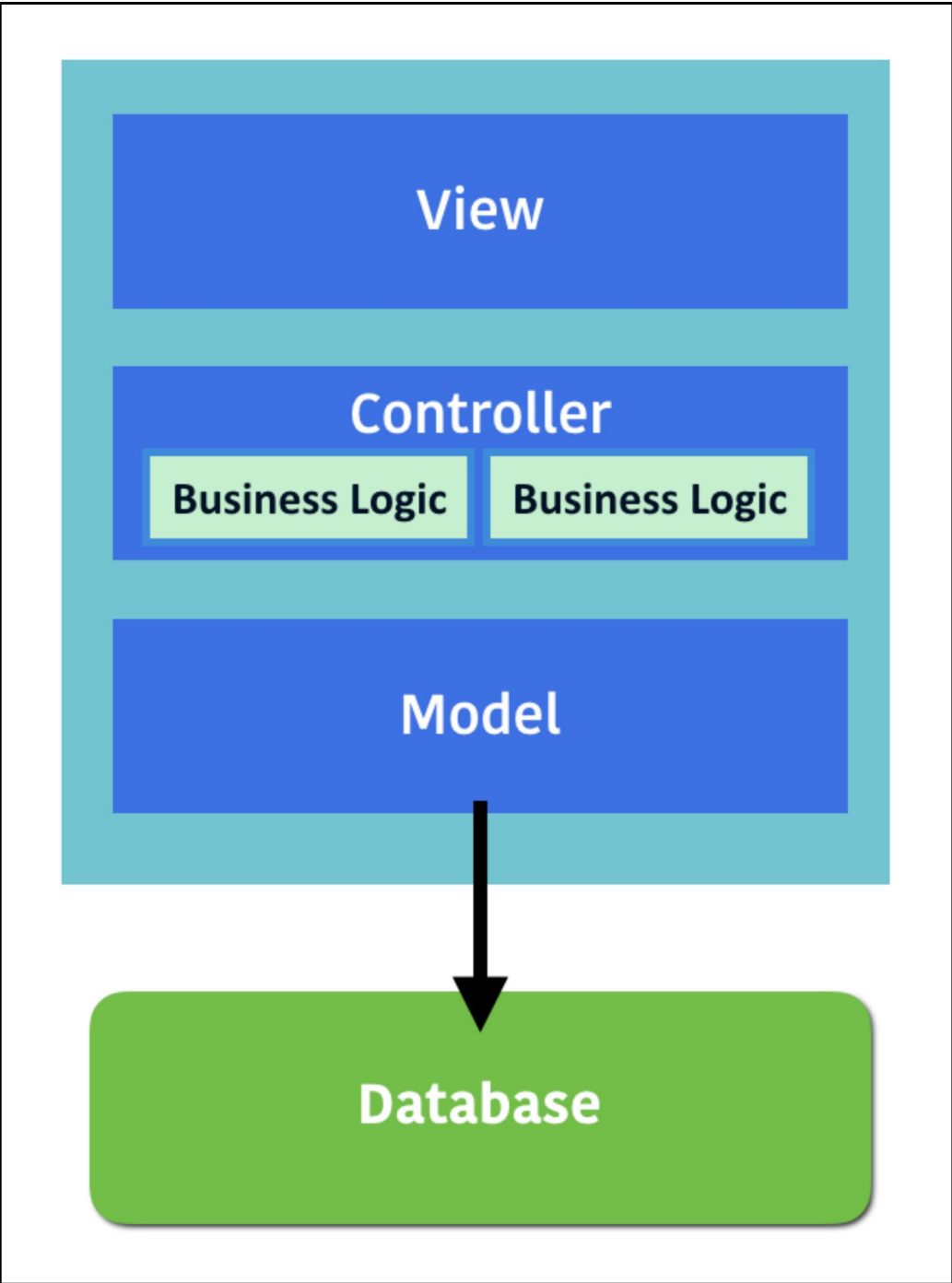
The Amazon Web Services SDK for Java provides Java APIs for building software on AWS' cost-effective, scalable, and reliable infrastructure products. The AWS Java SDK allows developers to code against APIs for all of Amazon's infrastructure web services (Amazon S3, Amazon EC2, Amazon SQS, Amazon Relational Database Service, Amazon AutoScaling, etc).

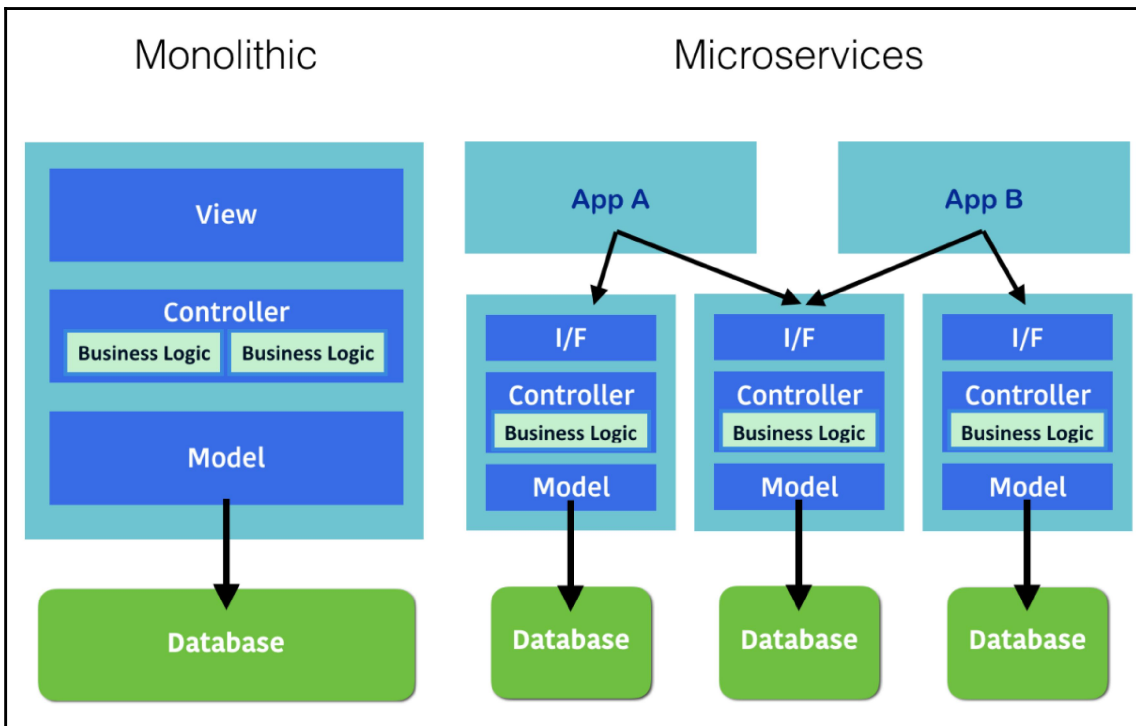
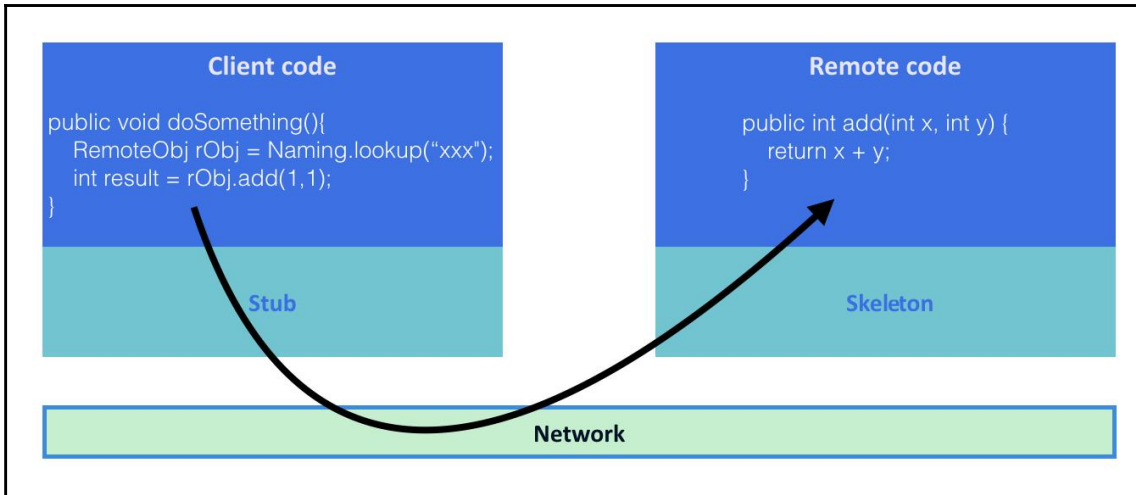
<b>License</b>	Apache 2.0
<b>Categories</b>	Cloud Computing
<b>HomePage</b>	https://aws.amazon.com/sdkforjava
<b>Date</b>	(Apr 29, 2017)
<b>Files</b>	Download (JAR) (2 KB)
<b>Repositories</b>	Central Sonatype Releases
<b>Used By</b>	578 artifacts

Maven Gradle SBT Ivy Grape Leiningen Buildr

```
<!-- https://mvnrepository.com/artifact/com.amazonaws/aws-java-sdk -->
<dependency>
  <groupId>com.amazonaws</groupId>
  <artifactId>aws-java-sdk</artifactId>
  <version>1.11.125</version>
</dependency>
```







GitHub, Inc. github.com/TrendMicroDCS/opsworks-recipes/pu

Add recipes that send Omnibus logs to AWS Kinesis by hidetosaito · Pull Request #18 · TrendMicroDCS/opsworks-recipes

This repository Search Pull requests Issues Gist

TrendMicroDCS / opsworks-recipes Unwatch 20 Star 2 Fork 6

Code Issues 0 Pull requests 0 Projects 0 Wiki Pulse Graphs

## Add recipes that send Omnibus logs to AWS Kinesis #18

Merged hidetosaito merged 3 commits into TrendMicroDCS:master from hidetosaito:master on Nov 30, 2015

Conversation 0 Commits 3 Files changed 3

Changes from all commits 3 files +61 -0

Unified Split Review changes

```
34 Omnibus/recipes/aws-kinesis-agent.rb
... @@ -0,0 +1,34 @@
1 +remote_file "#{Chef::Config[:file_cache_path]}/aws-kinesis-agent-1.0-1.amzn1.noarch.rpm" do
2 +   source "https://s3.amazonaws.com/streaming-data-agent/aws-kinesis-agent-1.0-1.amzn1.noarch.rpm"
3 +   action :create
4 +   notifies :install, 'rpm_package[aws-kinesis-agent]'
5 +end
6 +
7 +
8 +rpm_package "aws-kinesis-agent" do
9 +   source "#{Chef::Config[:file_cache_path]}/aws-kinesis-agent-1.0-1.amzn1.noarch.rpm"
```



Codeship, Inc. app.codeship.com/projects/65311/builds/5525

Codeship • jiramediator/master • Hideto Saito • Codeship

Hideto Saito Dashboard Projects Subscription Settings Support

**Merge pull request #4 from msfuko/master CMDEV-36 change the upload key context as d...** SUCCESS

sp013719 • jiramediator/master • 6b6c2d9 • 2 years ago • 0:55

1	Exporting Environment	0 min 1 sec
2	git clone --branch 'master' --depth 50 git@github.com:TrendMicroDCS/jiramediator.git ~/src/github.com/TrendMicroDC...	0 min 2 sec
3	cd clone	0 min 2 sec
4	git checkout -qf 6b6c2d94206e5005a97c7a77e58dfb844208fef2	0 min 1 sec
5	Preparing Dependency Cache	0 min 7 sec
6	Preparing Virtual Machine	0 min 5 sec
7	mvn validate	0 min 3 sec
8	mvn compile	0 min 6 sec
9	mvn test	0 min 15 sec

GitHub, Inc. github.com/TrendMicroDCS/opsworks-recipes/blob/master/opsworks-recipes/install.rb at master · TrendMicroDCS/opsworks-recipes

This repository Search Pull requests Issues Gist

TrendMicroDCS / opsworks-recipes Unwatch 20 Star 2 Fork 6

Code Issues 0 Pull requests 0 Projects 0 Wiki Pulse Graphs

Branch: master opsworks-recipes / cloudwatch-logs / recipes / install.rb Find file Copy path

齋藤秀人 initial import 9314284 on Sep 2, 2014

0 contributors

Executable File 14 lines (11 sloc) 429 Bytes Raw Blame History

```
1 directory "/opt/aws/cloudwatch" do
2   recursive true
3 end
4
5 remote_file "/opt/aws/cloudwatch/awslogs-agent-setup.py" do
6   source "https://s3.amazonaws.com/aws-cloudwatch/downloads/latest/awslogs-agent-setup.py"
7   mode "0755"
8 end
9
10 execute "Install CloudWatch Logs agent" do
11   command "/opt/aws/cloudwatch/awslogs-agent-setup.py -n -r us-east-1 -c /tmp/cwlogs.cfg"
12   not_if { system "pgrep -f aws-logs-agent-setup" }
13 end
```

cloudformation/6-4-k8s-vpc-sample.json at master · kubernetes-cookbook/cloudformation

msfuko Add 6-4 cloudformation template e0562c4 on May 7, 2016

1 contributor

526 lines (526 sloc) | 12.9 KB

Raw Blame History

```
1 {
2   "AWSTemplateFormatVersion": "2010-09-09",
3   "Description": "Kubernetes Cookbook CloudFormation Sample - VPC",
4   "Parameters": {
5     "Prefix": {
6       "Description": "Prefix of resources",
7       "Type": "String",
8       "Default": "KubernetesSample",
9       "MinLength": "1",
10      "MaxLength": "24",
11      "ConstraintDescription": "Length is too long"
12    },
13    "CIDRPrefix": {
14      "Description": "Network cidr prefix",
15      "Type": "String",
16      "Default": "10.0",
17      "MinLength": "1",
18      "MaxLength": "8",
19      "ConstraintDescription": "Length is too long"
20    }
21  },
22  "Resources": {
23    "VPC": {
24      "Type": "AWS::EC2::VPC",
25      "Properties": {
26        "CidrBlock": {
27          "Fn::Join": [
```

```
appspect.yml (~/Downloads/SampleApp_Linux) - VIM
1 version: 0.0
2 os: linux
3 files:
4   - source: /index.html
5     destination: /var/www/html/
6 hooks:
7   BeforeInstall:
8     - location: scripts/install_dependencies
9       timeout: 300
10      runas: root
11     - location: scripts/start_server
12       timeout: 300
13       runas: root
14   ApplicationStop:
15     - location: scripts/stop_server
16       timeout: 300
17       runas: root
18
~
~
~
```

console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances

EC2 Management Console

Services Resource Groups EC2 OpsWorks VPC DynamoD Hideto Saito N. Virginia Support

EC2 Dashboard

Events Tags Reports Limits

INSTANCES

Instances

Spot Requests Reserved Instances Scheduled Instances Dedicated Hosts

IMAGES

AMIs Bundle Tasks

ELASTIC BLOCK STORE

Volumes Snapshots

NETWORK & SECURITY

Security Groups Elastic IPs Placement Groups Key Pairs Network Interfaces

Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	IPv4 Public IP
CentOS7	i-09a5783f6...	t2.micro	us-east-1d	stopped	-

Disk Writes (Bytes)

Disk Write Operations (Operations)

Network In (Bytes)

Network Out (Bytes)

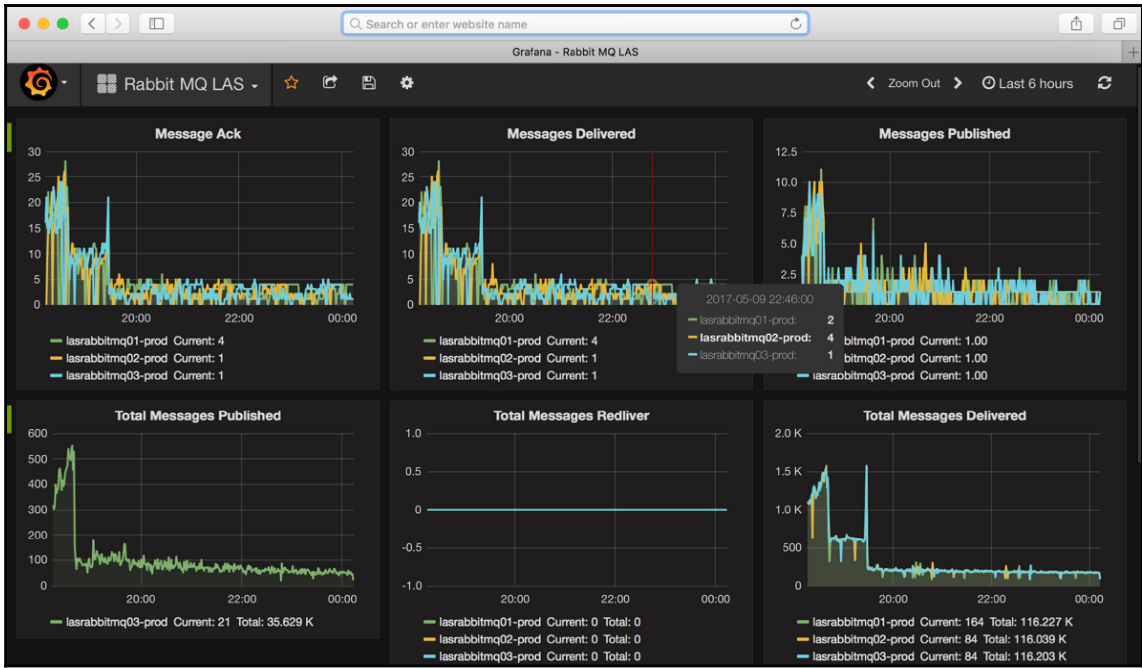
Network Packets In (Count)

Network Packets Out (Count)

Feedback English

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trendmicrodcs.slack.com/messages/C0HMRN10S/

jenkins-ci | TrendMicroDCS Slack

**TrendMicroDCS** hidetosaito

All Threads

CHANNELS (13)

- # general
- # github
- # jenkins-ci
- # random

DIRECT MESSAGES

- slackbot 1
- hidetosaito (you)
- carol
- cywu
- jennifer
- joey\_hsiao
- otis\_lin
- ryan\_bot
- ryan\_c\_chen

+ Invite people

**#jenkins-ci** 6 | Add a topic

January 26th, 2016

qa-vsphere-worker-staging - #26 [dcsrd-docker-registry.trendmicro.com/vsphere-worker:v26](#) [dcsrd-docker-registry.trendmicro.com/vsphere-worker:latest](#) Failure after 1 min 19 sec (Open)

jenkins APP 9:36 PM

qa-vsphere-worker-staging - #28 Started by user ChengYang Wu (DCS-RD-TW) (Open)

qa-vsphere-worker-staging - #28 Starting... after 3 sec and counting (Open)

jenkins APP 9:43 PM

qa-vsphere-worker-staging - #28 [dcsrd-docker-registry.trendmicro.com/vsphere-worker:v28](#) [dcsrd-docker-registry.trendmicro.com/vsphere-worker:latest](#) Back to normal after 6 min 48 sec (Open)

jenkins APP 9:50 PM

qa-ss-worker-staging - #6 Started by user ChengYang Wu (DCS-RD-TW) (Open)

qa-ss-worker-staging - #6 Started by changes from Carol Hsu (DCS-RD-TW) (2 file(s) changed) (Open)

+ Message #jenkins-ci



console.aws.amazon.com/ec2/v2/home?region=us-east-1

EC2 Management Console

Services Resource Groups EC2 OpsWorks VPC Hideto Saito N. Virginia Support

**EC2 Dashboard**

- Events
- Tags
- Reports
- Limits
- INSTANCES
  - Instances
  - Spot Requests
  - Reserved Instances
  - Scheduled Instances
  - Dedicated Hosts
- IMAGES
  - AMIs
  - Bundle Tasks
- ELASTIC BLOCK STORE
  - Volumes
  - Snapshots
- NETWORK & SECURITY
  - Security Groups
  - Elastic IPs
  - Placement Groups

### Resources

You are using the following Amazon EC2 resources in the US East (N. Virginia) region:

0 Running Instances	0 Elastic IPs
0 Dedicated Hosts	0 Snapshots
2 Volumes	0 Load Balancers
1 Key Pairs	3 Security Groups
0 Placement Groups	

Just need a simple virtual private server? Get everything you need to jumpstart your project - compute, storage, and networking - for a low, predictable price. [Try Amazon Lightsail for free.](#)

### Create Instance

To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.

[Launch Instance](#)

Note: Your instances will launch in the US East (N. Virginia) region

### Service Health

**Service Status:**

### Scheduled Events

**US East (N. Virginia):**

### Account Attributes

[Supported Platforms](#)  
VPC

[Default VPC](#)  
vpc-cae29dae

[Resource ID length management](#)

### Additional Information

[Getting Started Guide](#)

[Documentation](#)

[All EC2 Resources](#)

[Forums](#)

[Pricing](#)

[Contact Us](#)

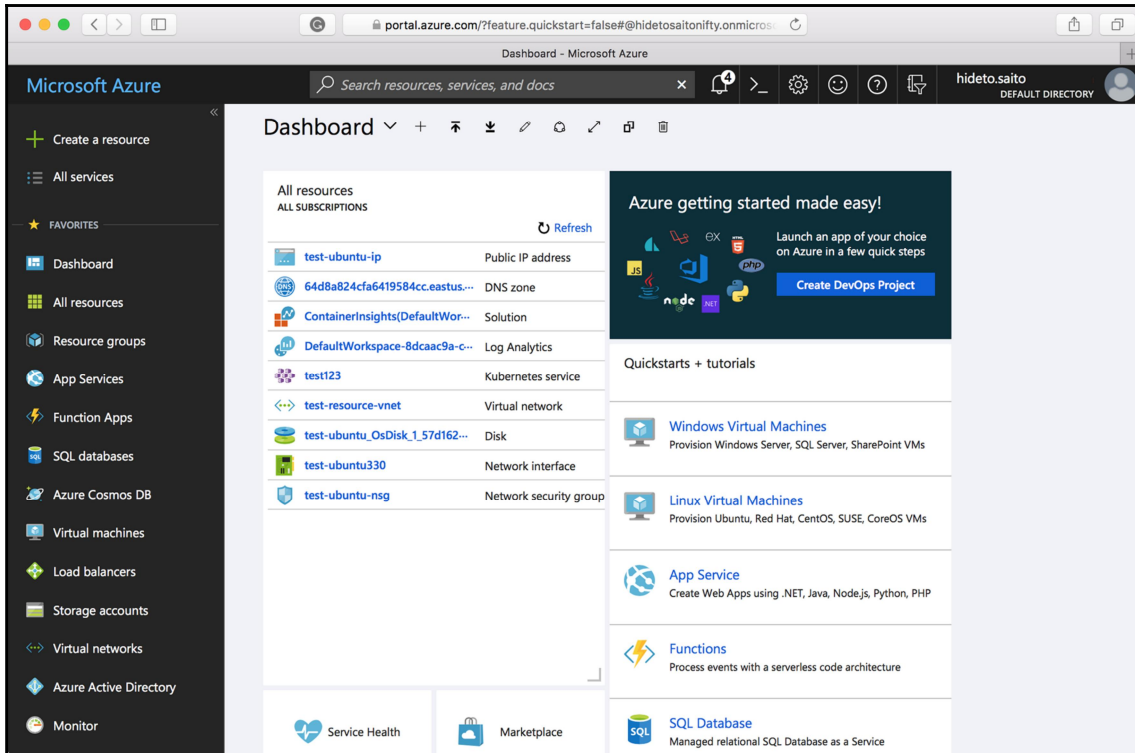
### AWS Marketplace

Find free software trial products in the AWS Marketplace from the [EC2 Launch Wizard](#). Or try these popular AMIs:

The screenshot shows the Google Cloud Platform dashboard for a project named "DevOps with Kubernetes". The browser address bar shows the URL "console.cloud.google.com/home/dashboard?project=devops". The dashboard is organized into several sections:

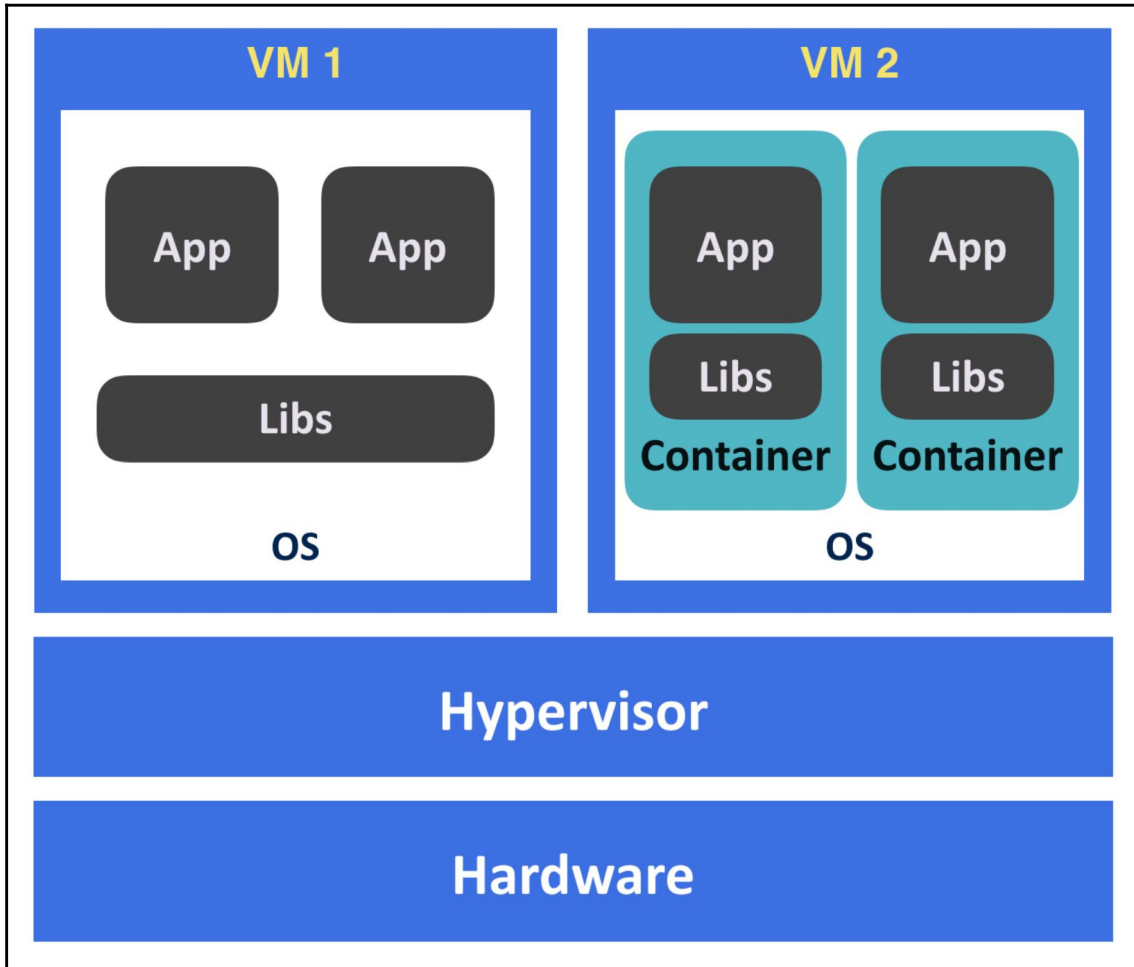
- Project info:** Displays the project name "DevOps with Kubernetes", Project ID "devops-with-kubernetes", and Project Number "#61105234762". A link to "Manage project settings" is provided.
- Resources:** Lists "Compute Engine" with 1 instance and "Cloud Storage" with 3 buckets.
- Trace:** A section for monitoring and debugging.
- Compute Engine:** Shows "CPU (%)" with a dropdown menu and a message "There is no data for this chart". A link to "Go to the Compute Engine dashboard" is present.
- APIs:** Shows "RPI APIs" with "Requests (requests/sec)".
- Google Cloud Platform status:** Features a "Google BigQuery incident #18028" with the status "BigQuery import jobs pending" and a start time of "2017-05-09 (22:38:00)". It includes a link to "Go to Cloud status dashboard".
- Billing:** Shows a balance of "\$0.00" and "Approximate charges so far this month". A link to "View detailed charges" is provided.

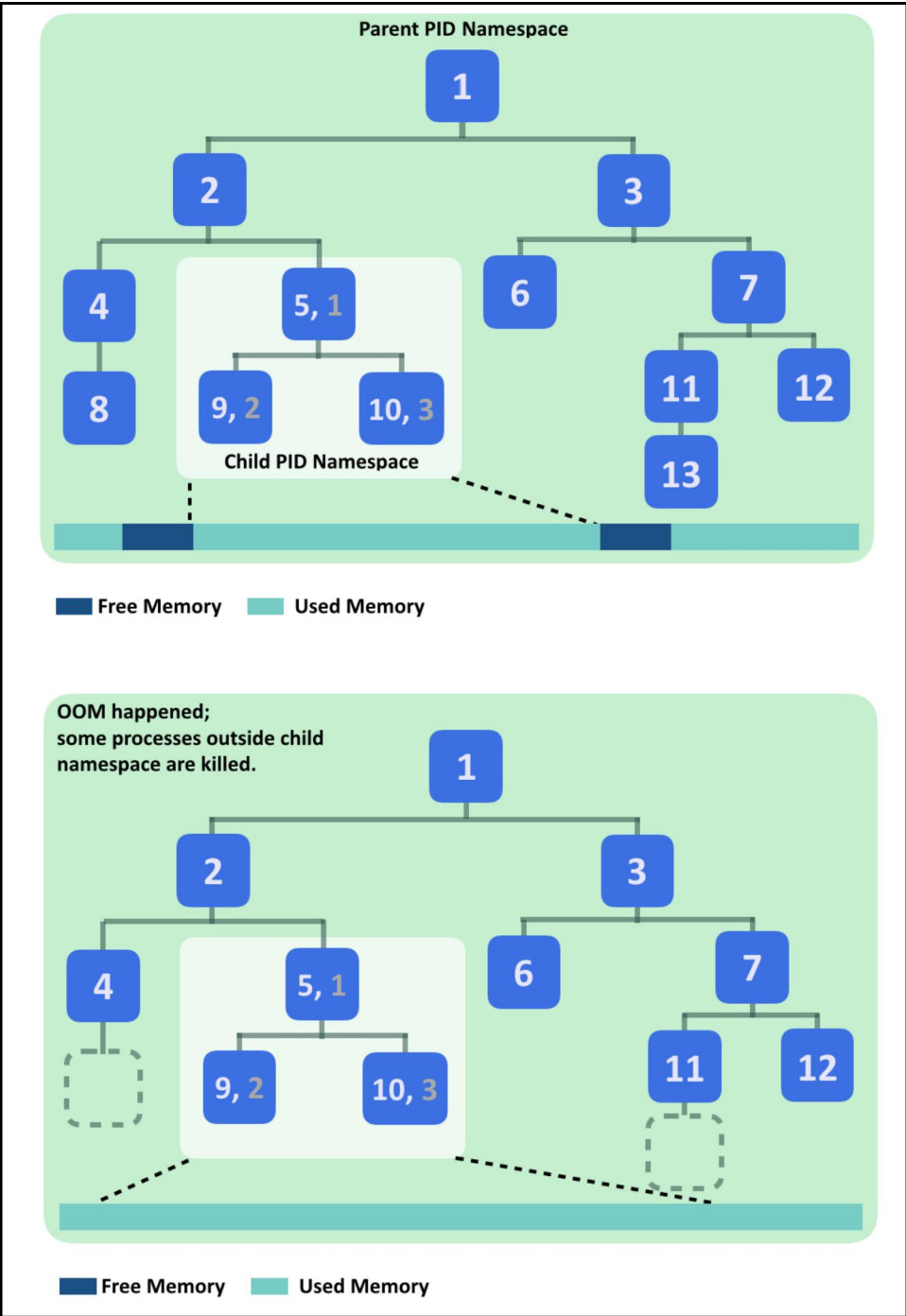
At the bottom left of the dashboard, there is a note: "Open 'https://status.cloud.google.com' in a new tab".

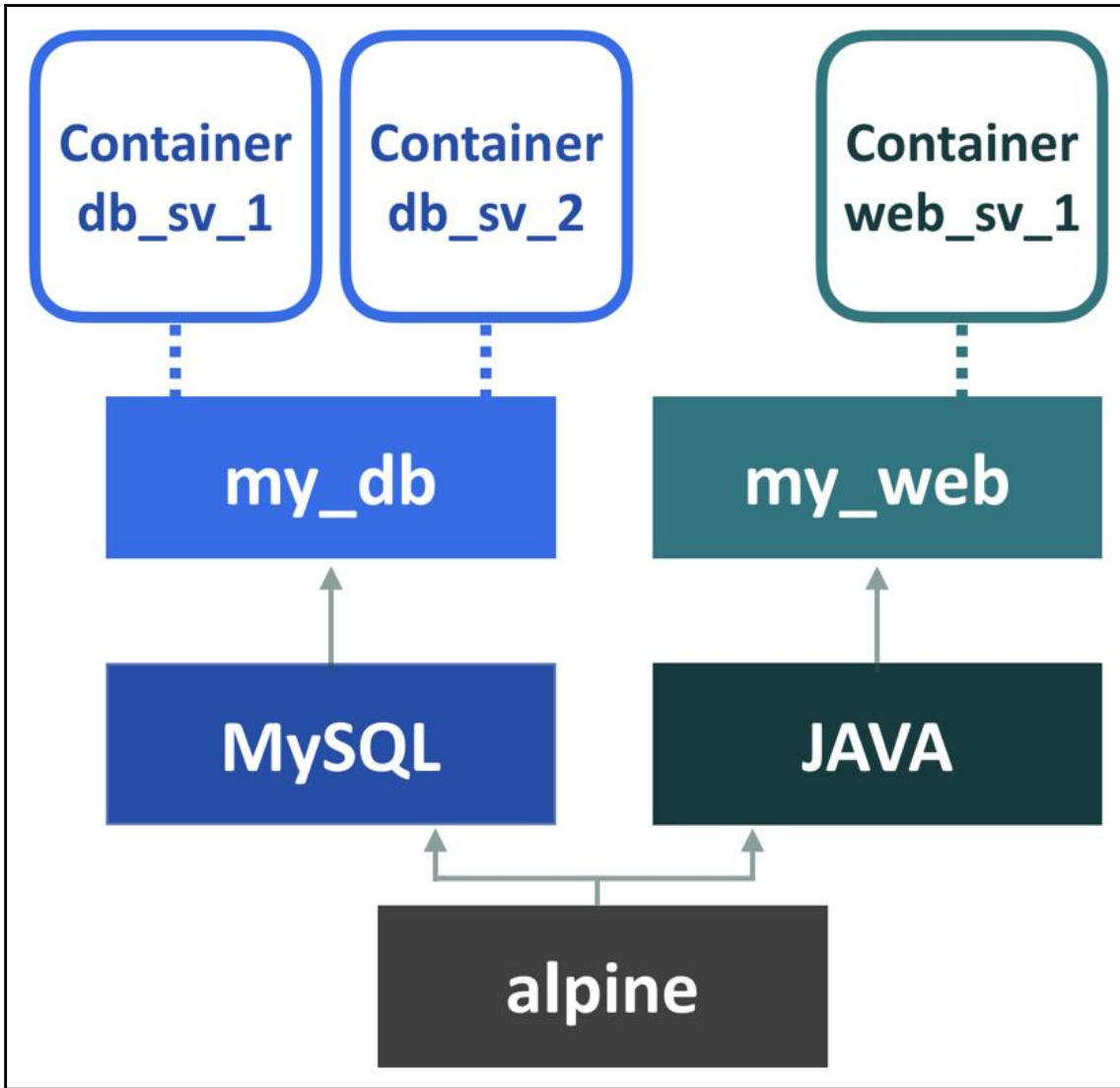


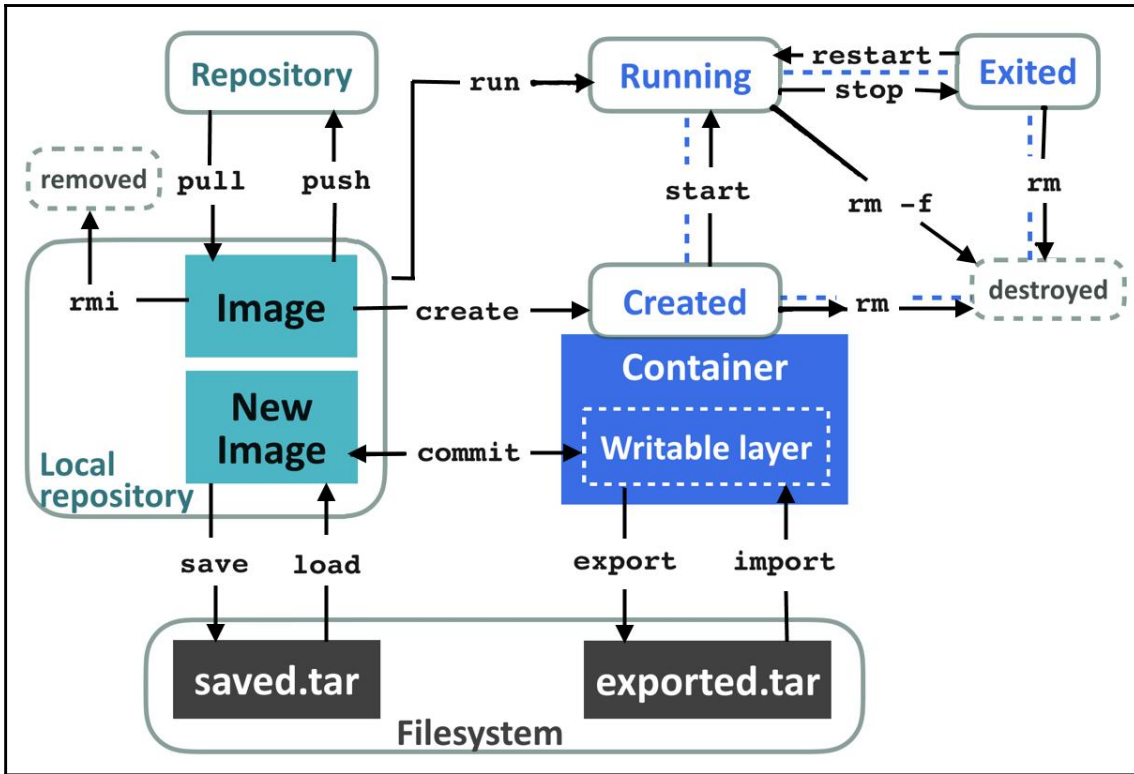
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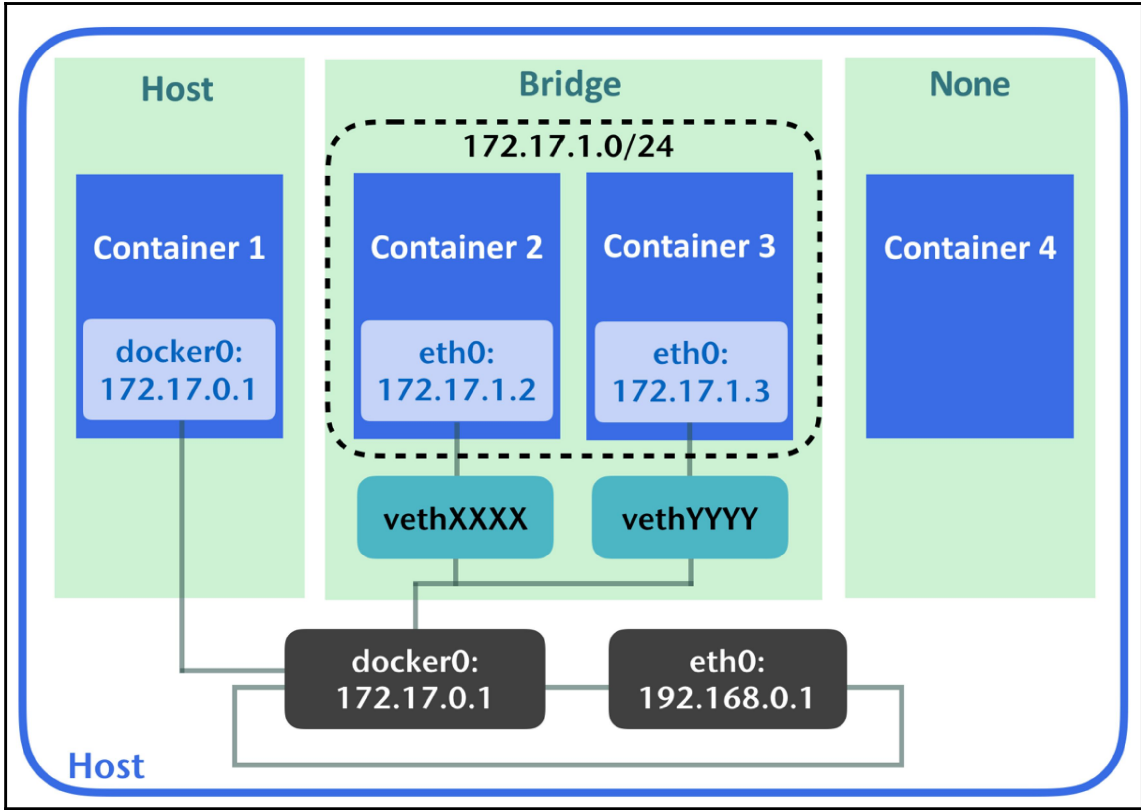
## Chapter 2: DevOps with Containers



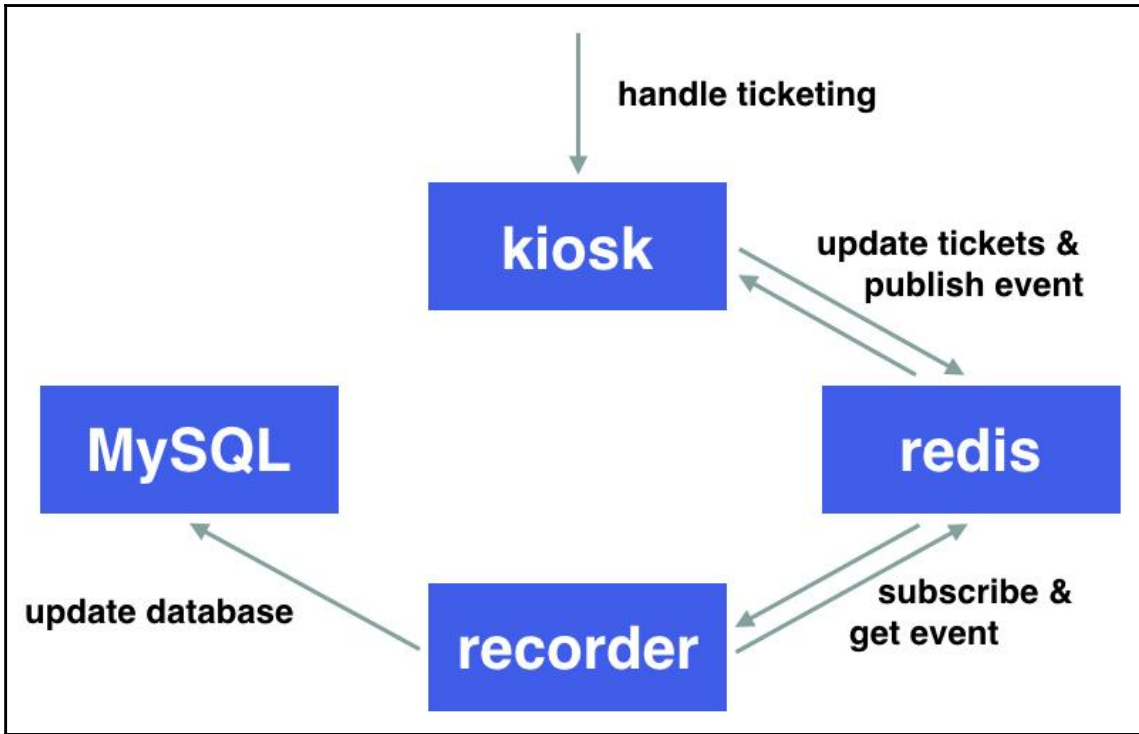






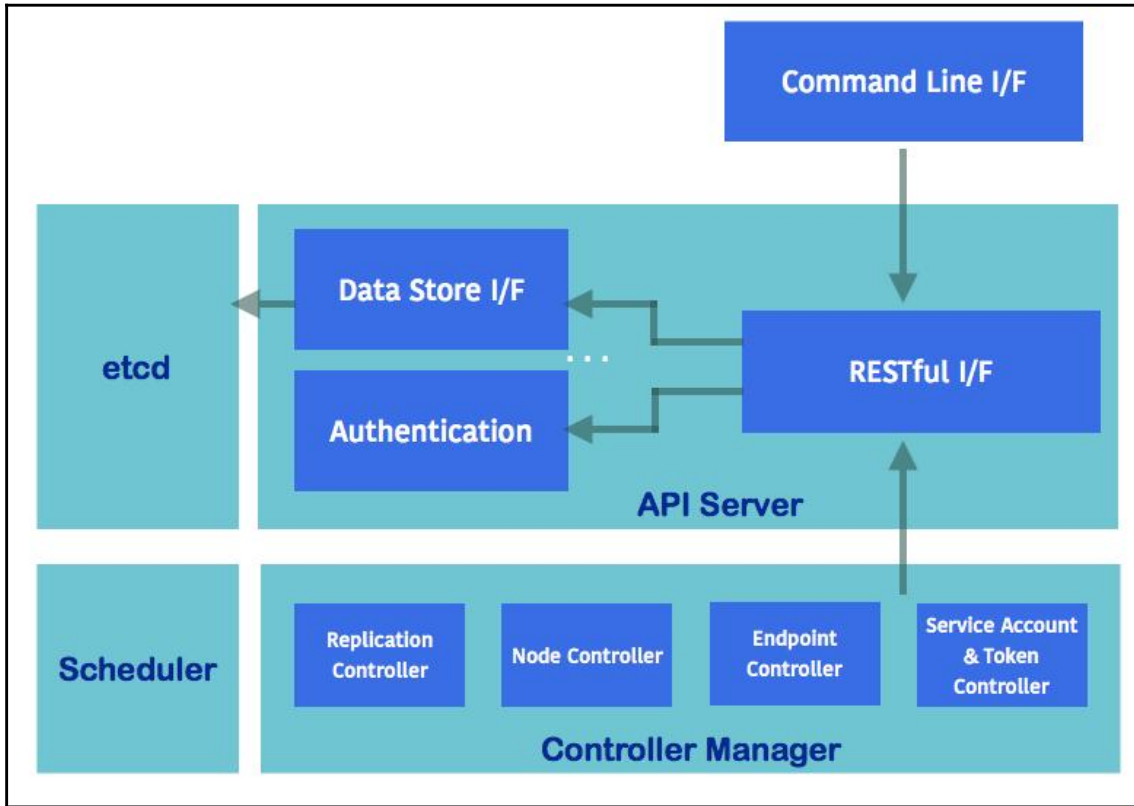


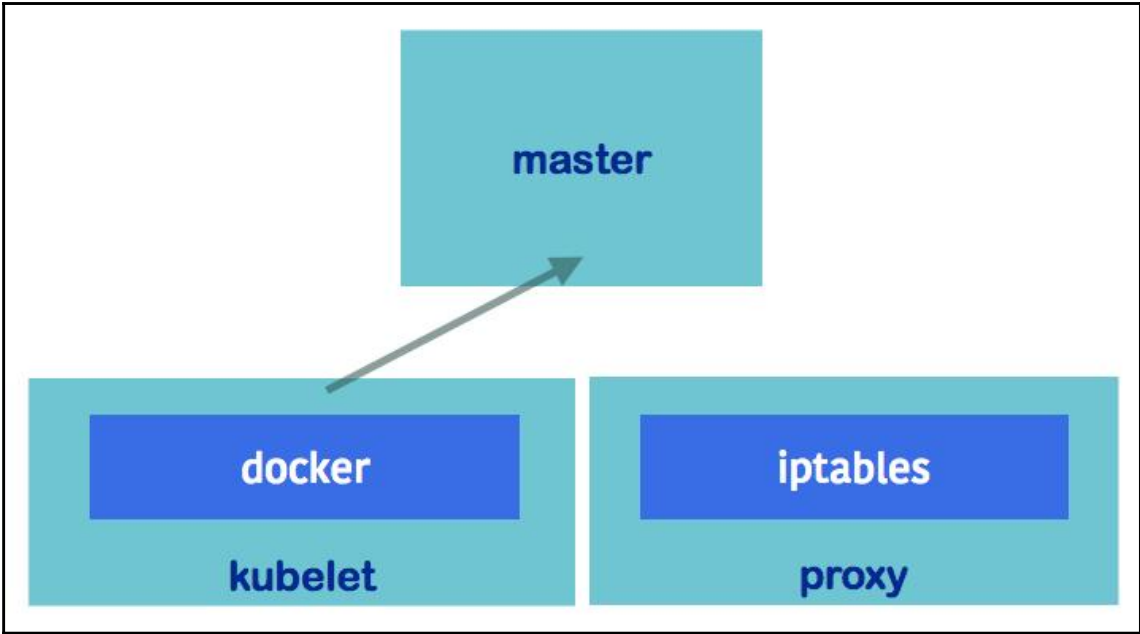


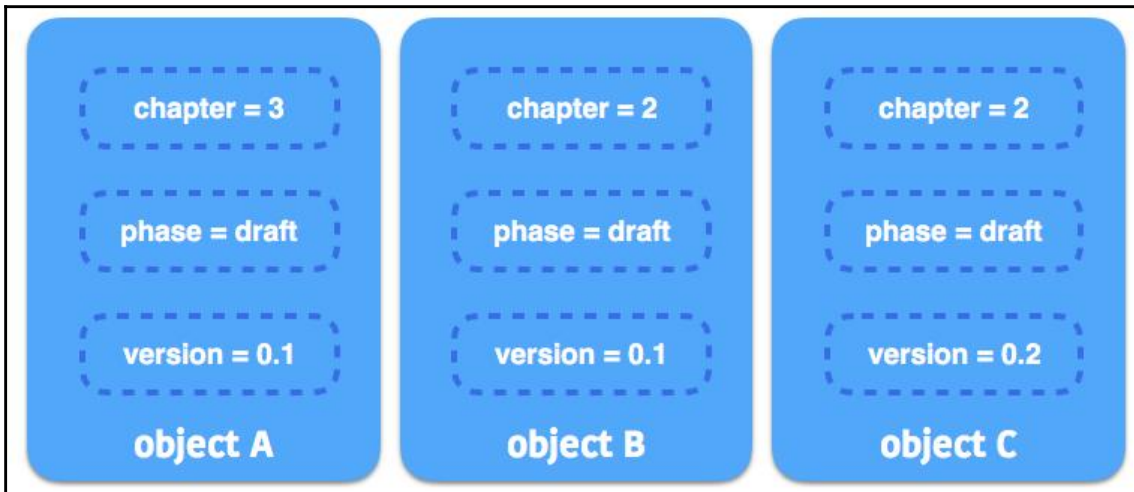
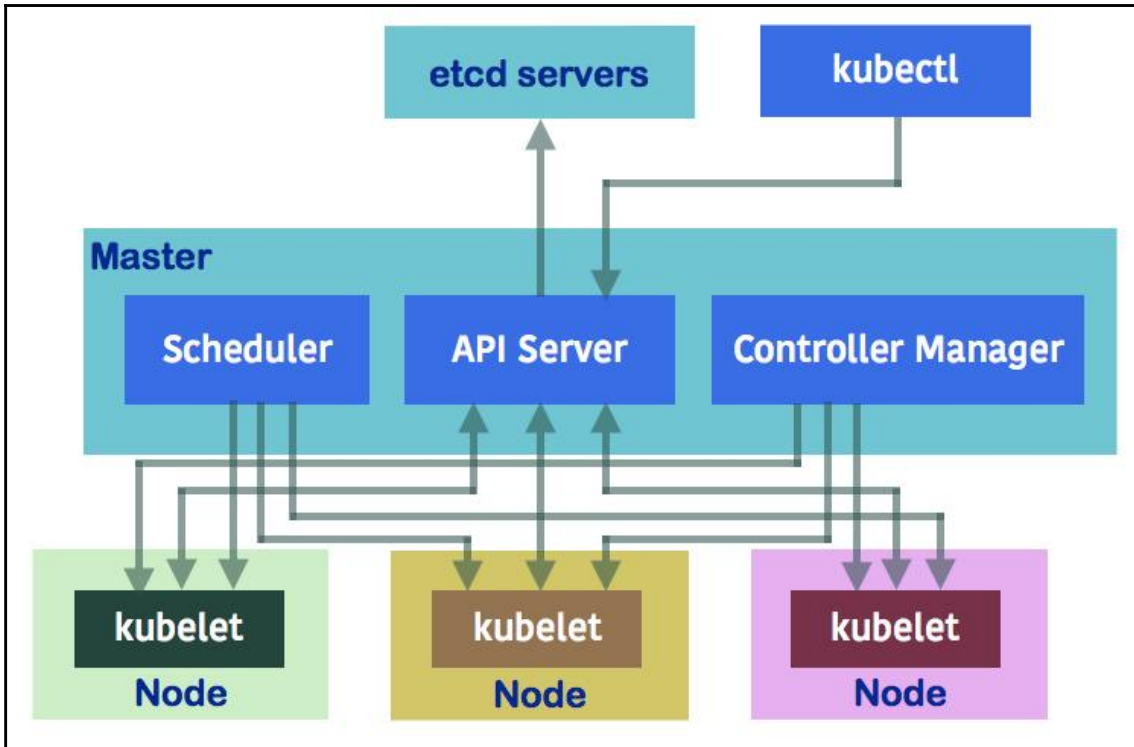


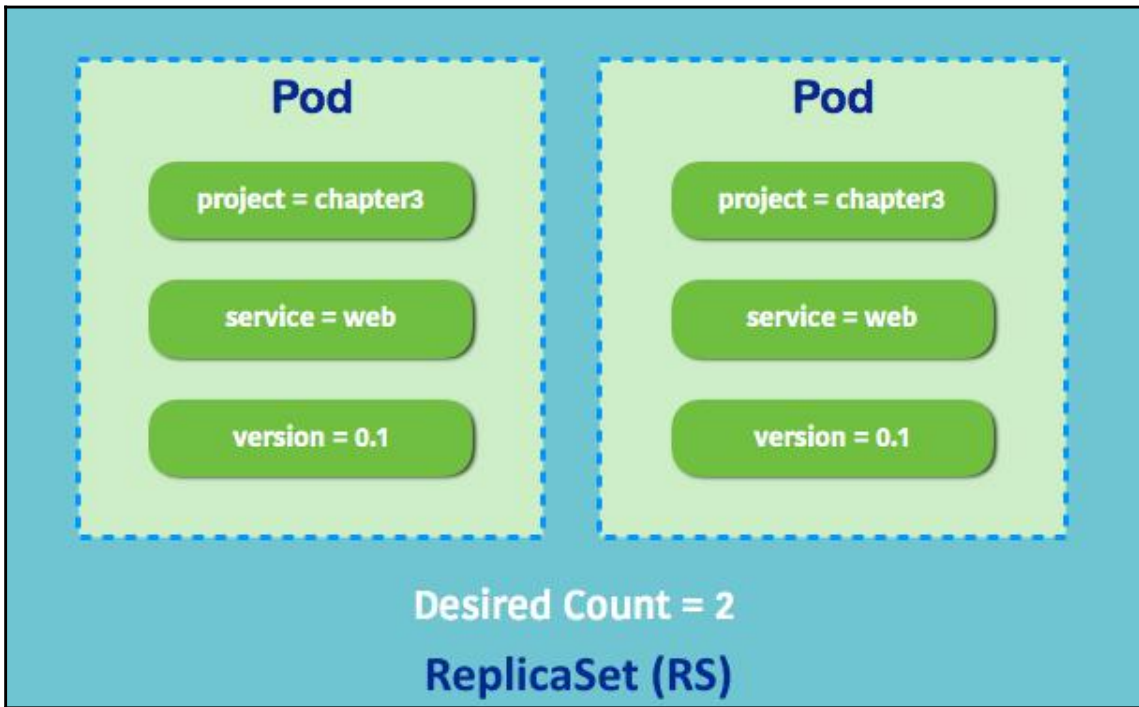
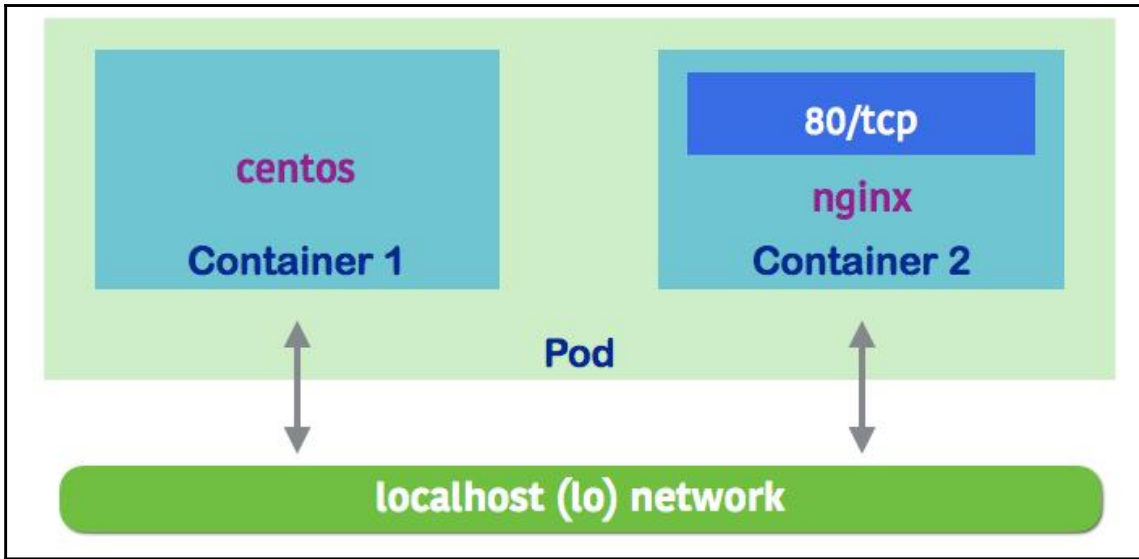
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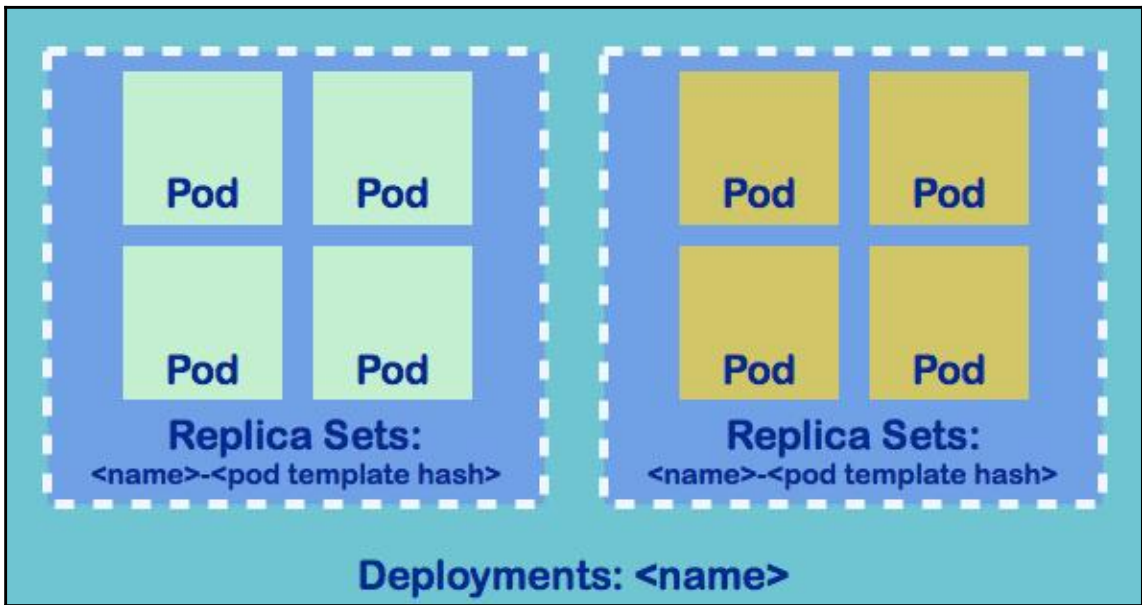
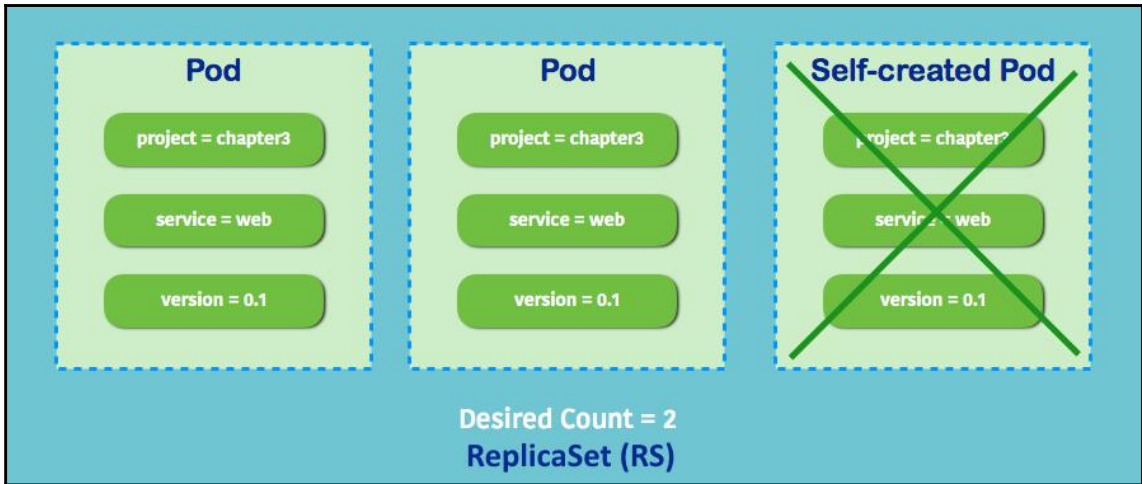
## Chapter 3: Getting Started with Kubernetes

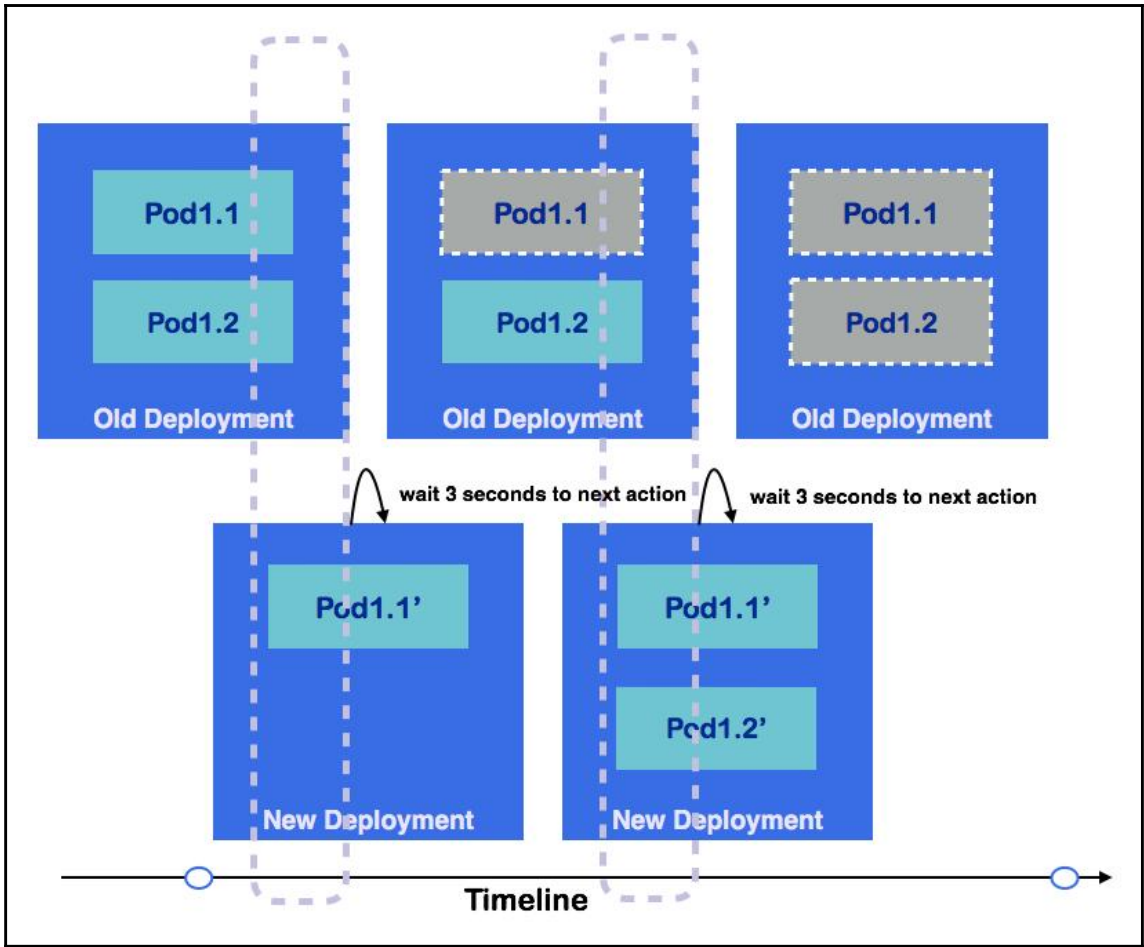


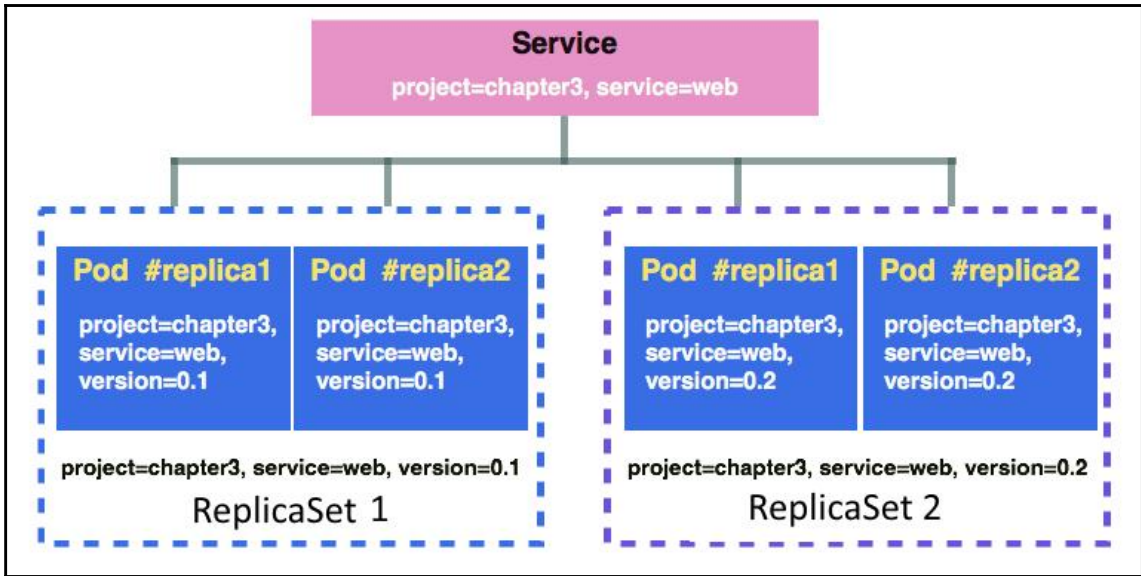














---

**LoadBalancer**

**LOADBALANCER\_IP**

Service is reachable via Cloud Provider Load Balancer Endpoint

**NodePort**

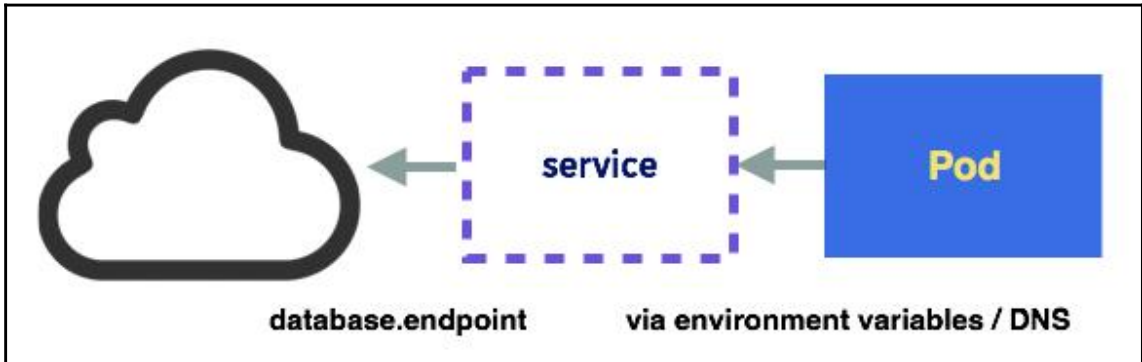
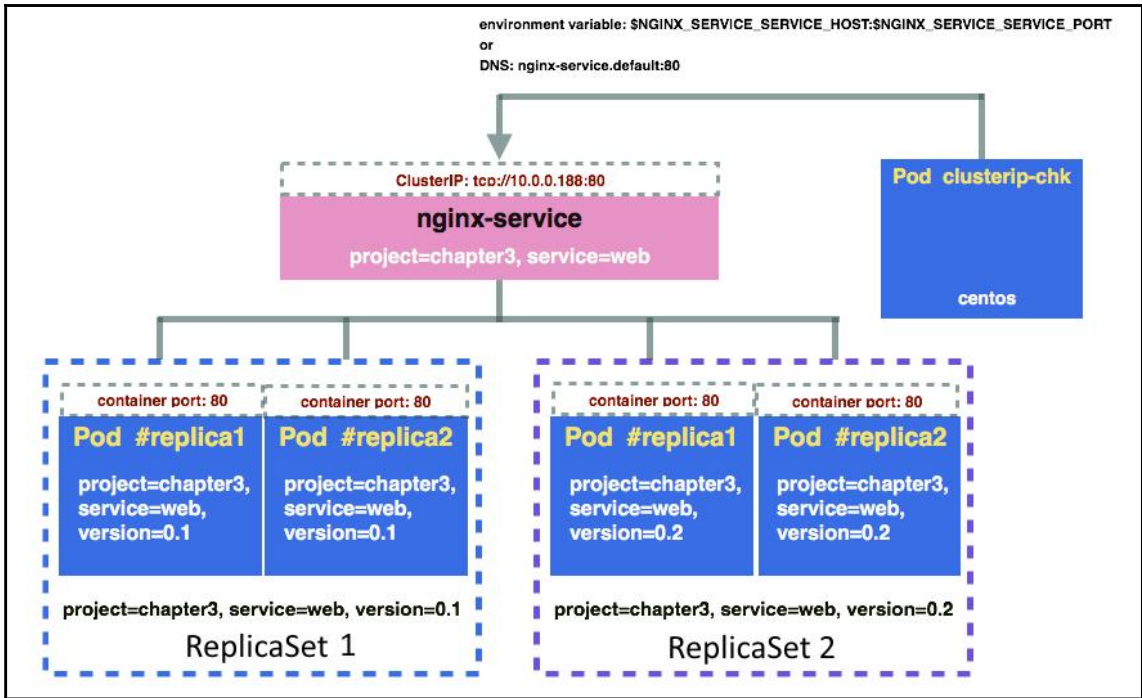
**NODE\_IP:NODE\_PORT**

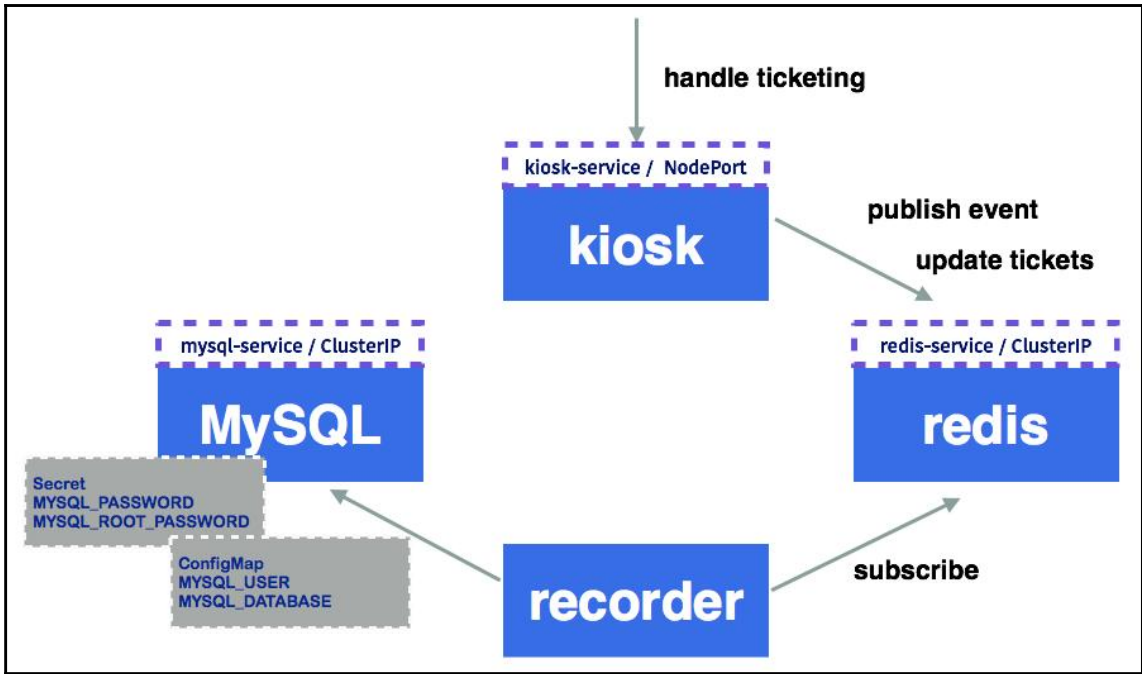
Service is reachable outside the Nodes via Node IP

**ClusterIP**

**INTERNAL\_IP:PORT**

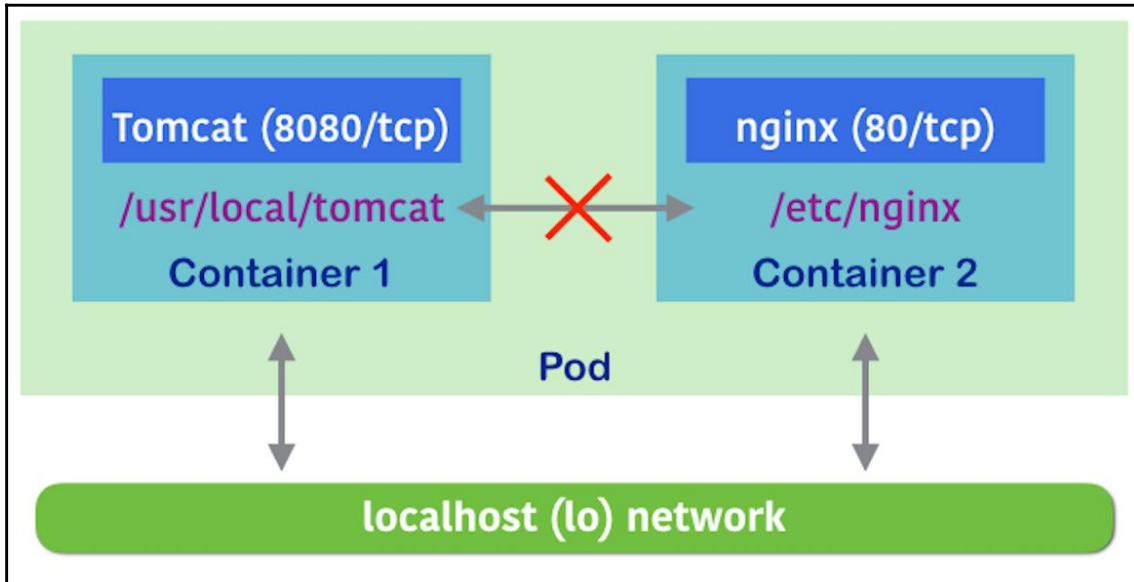
Service is reachable internally

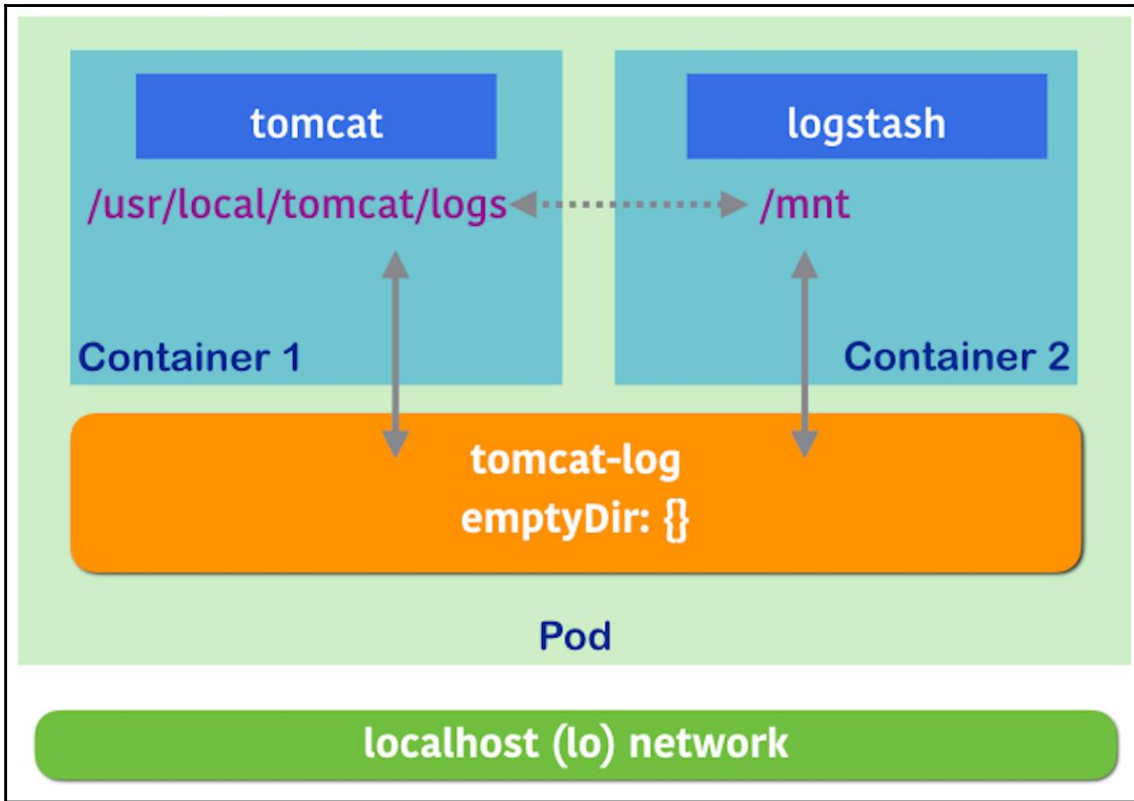


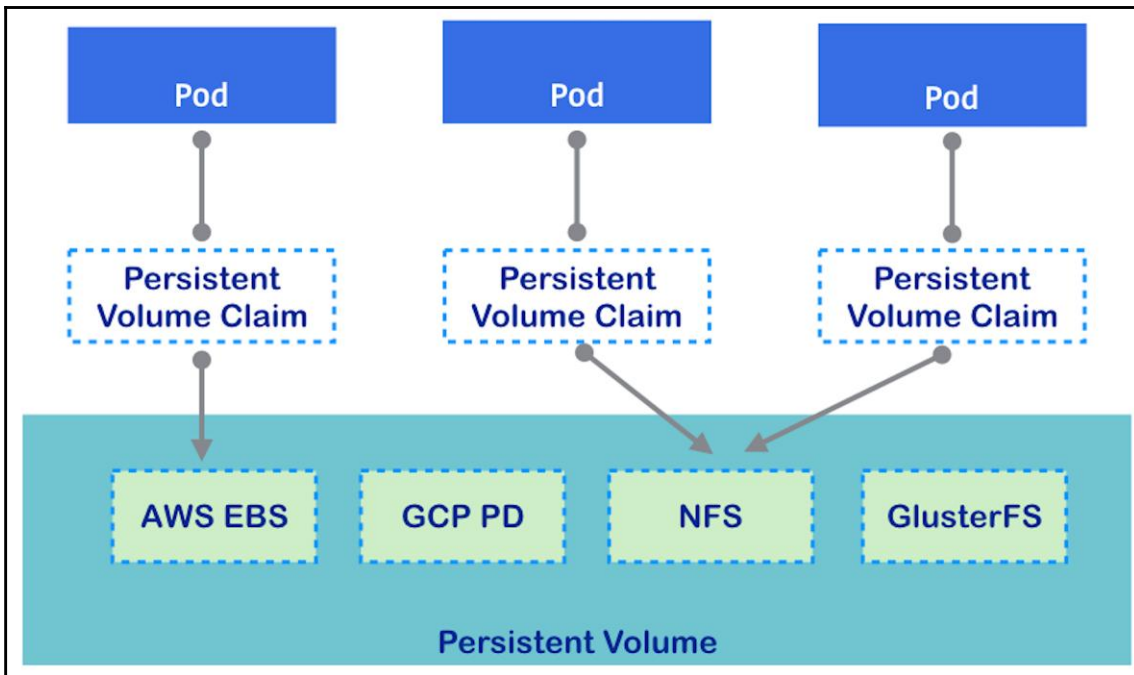
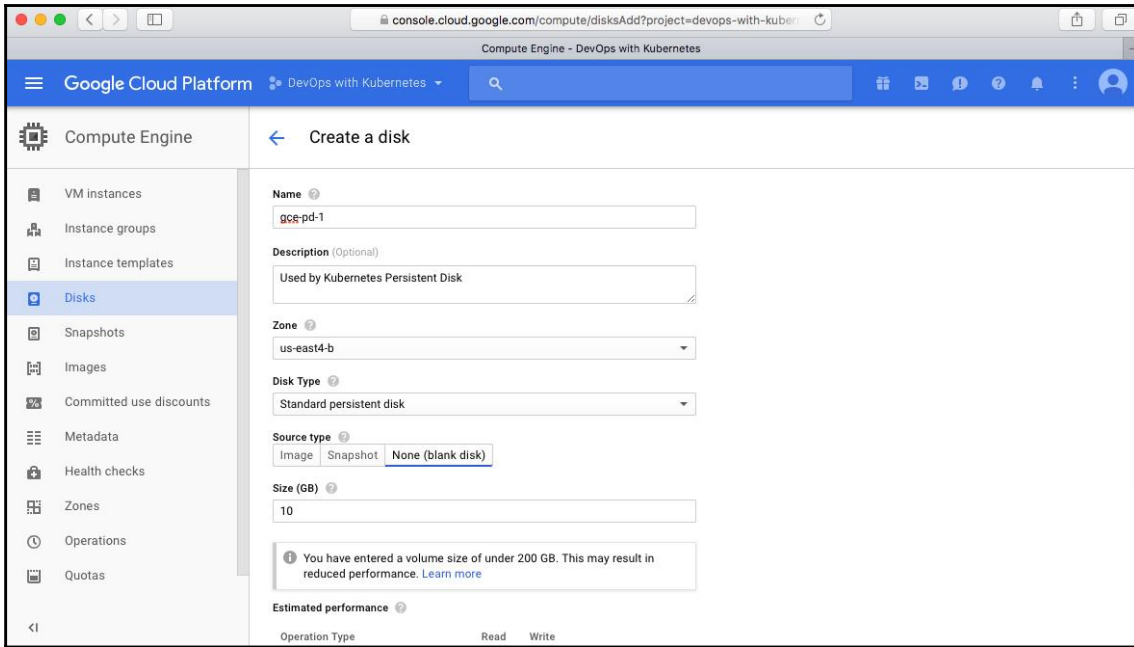


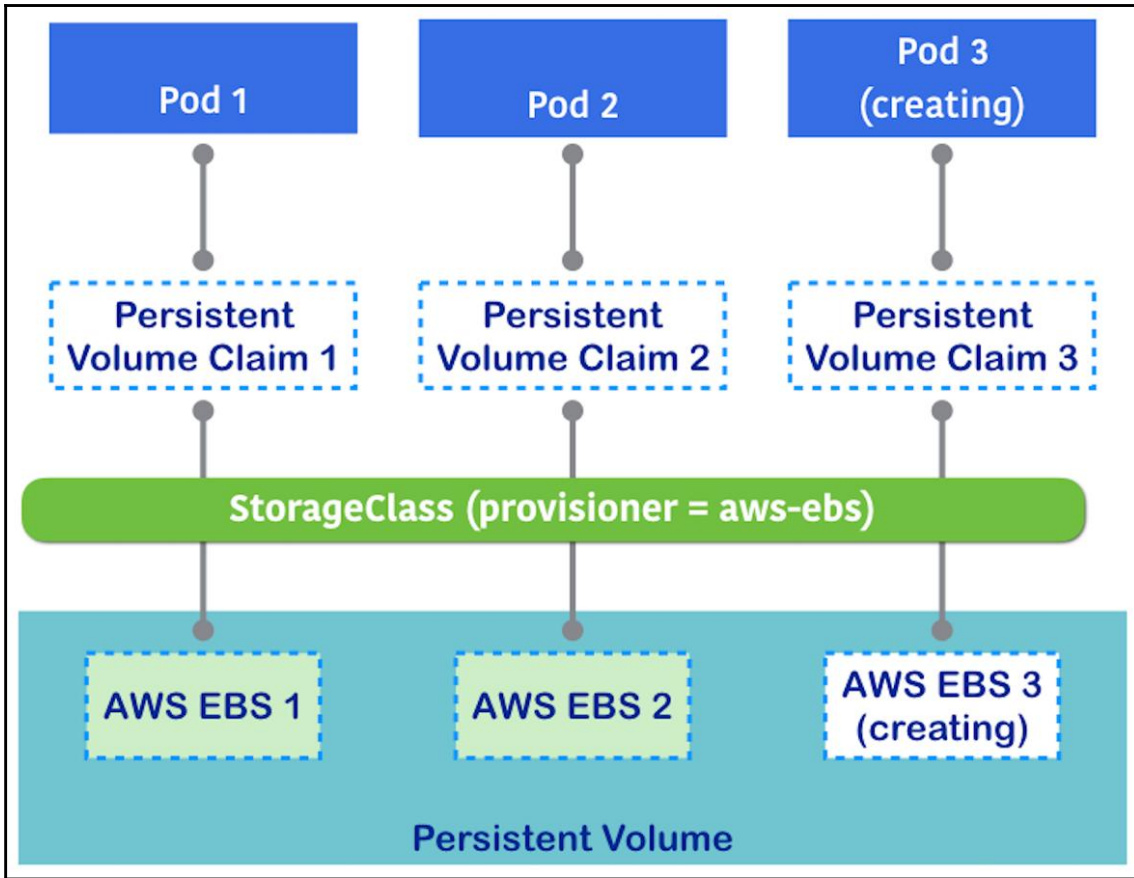
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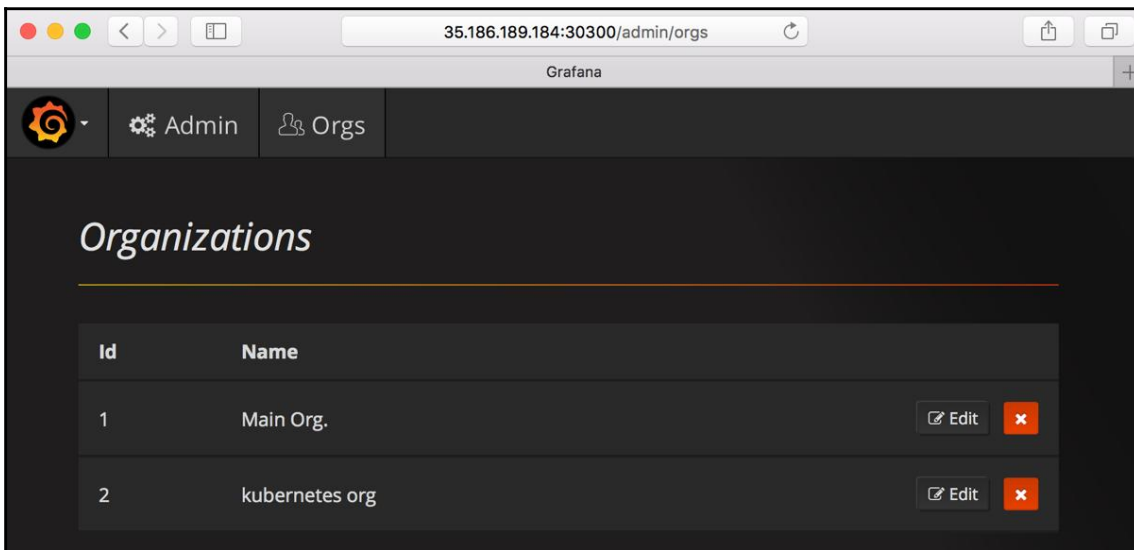
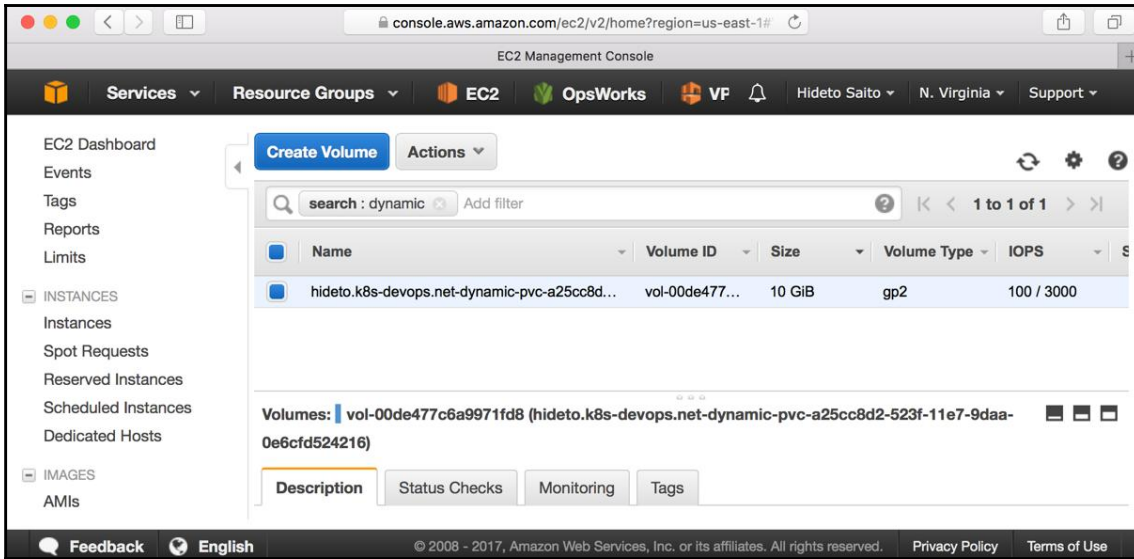
## Chapter 4: Managing Stateful Workloads



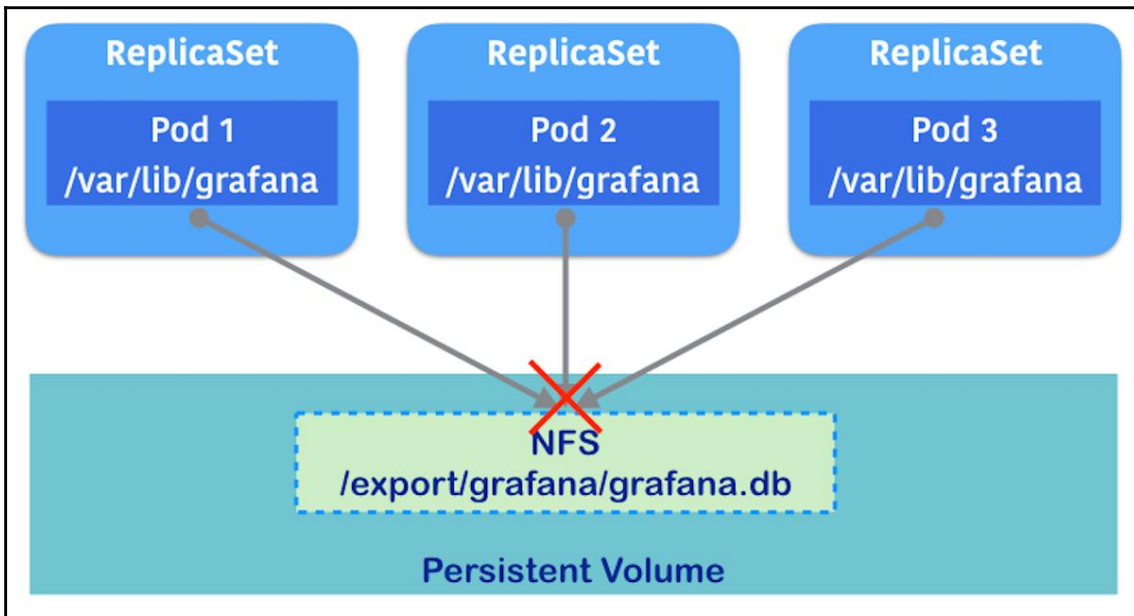
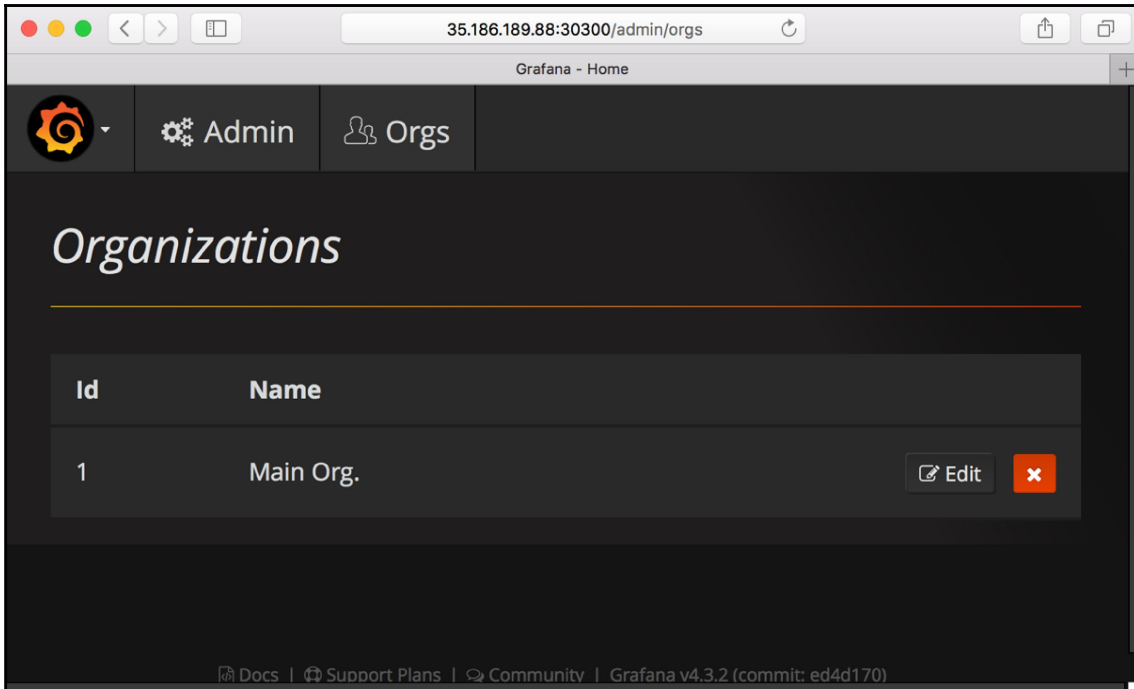


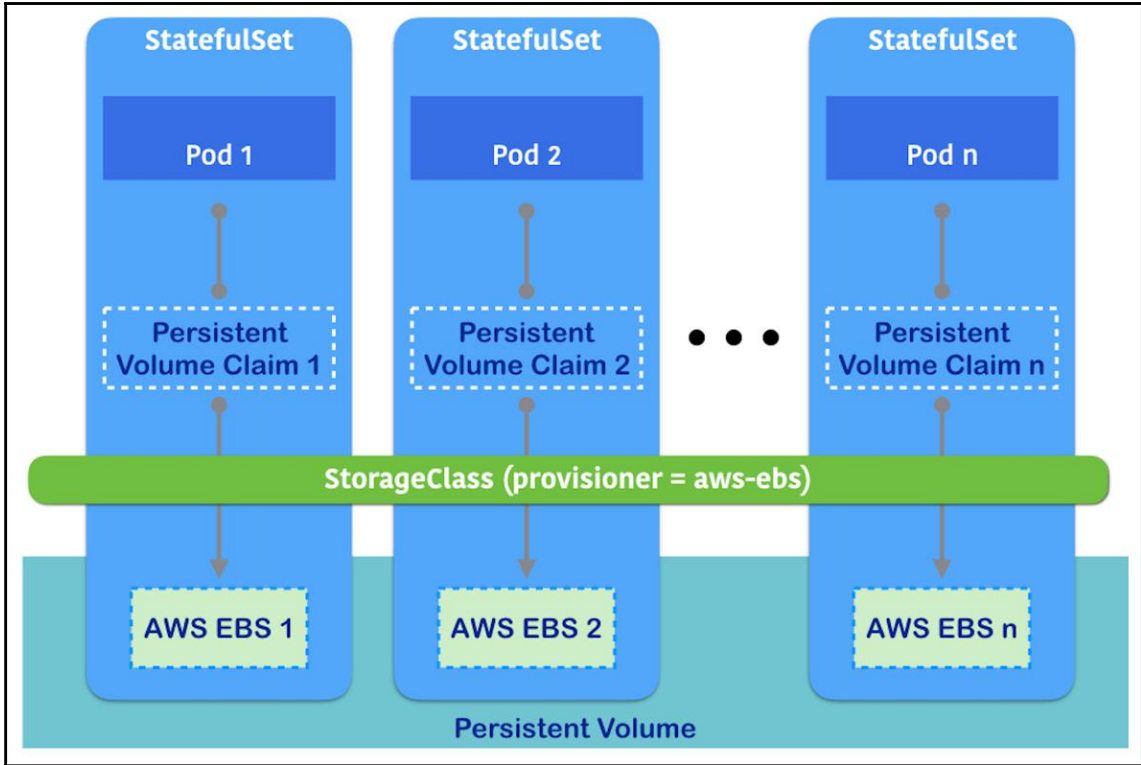
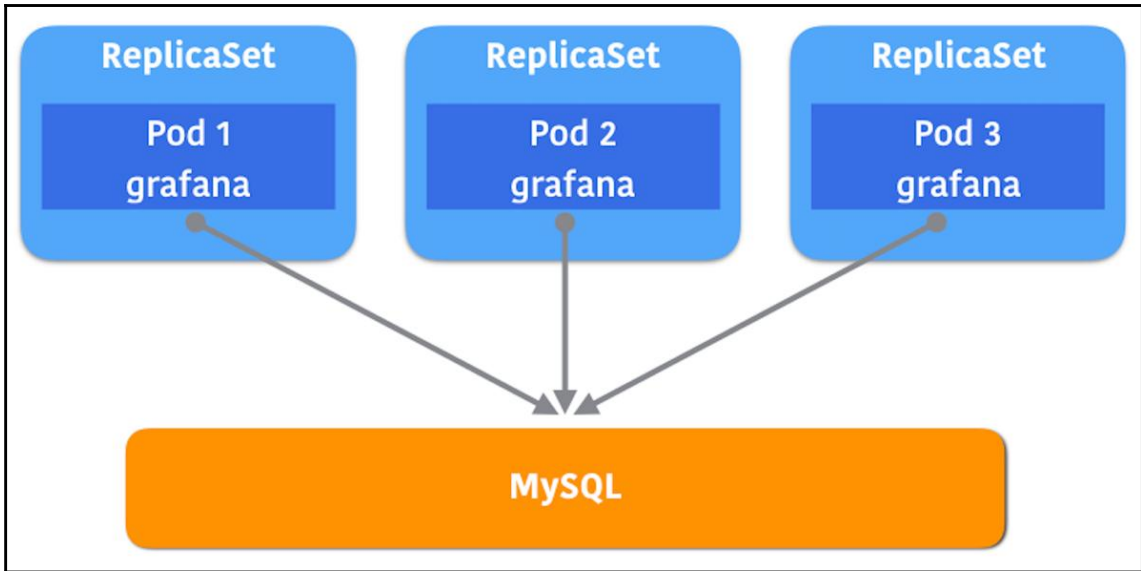


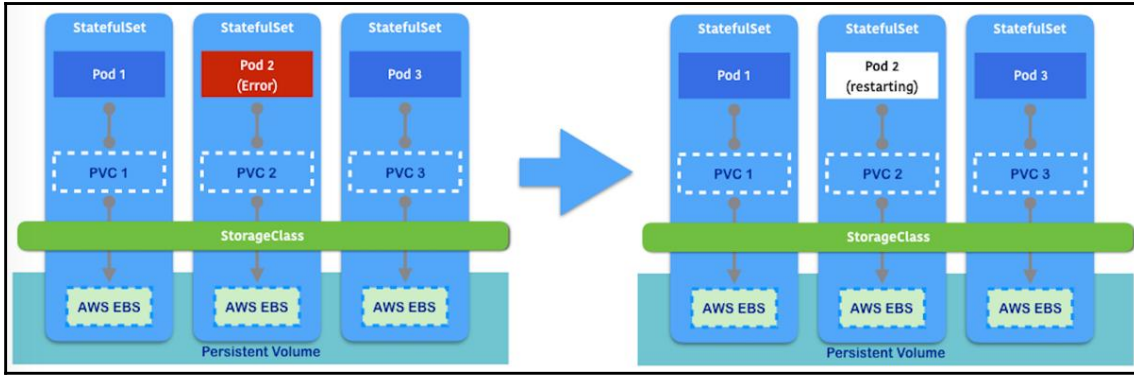






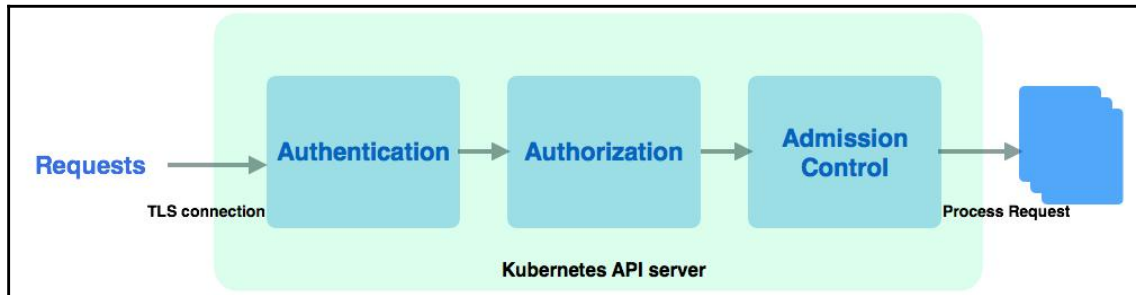




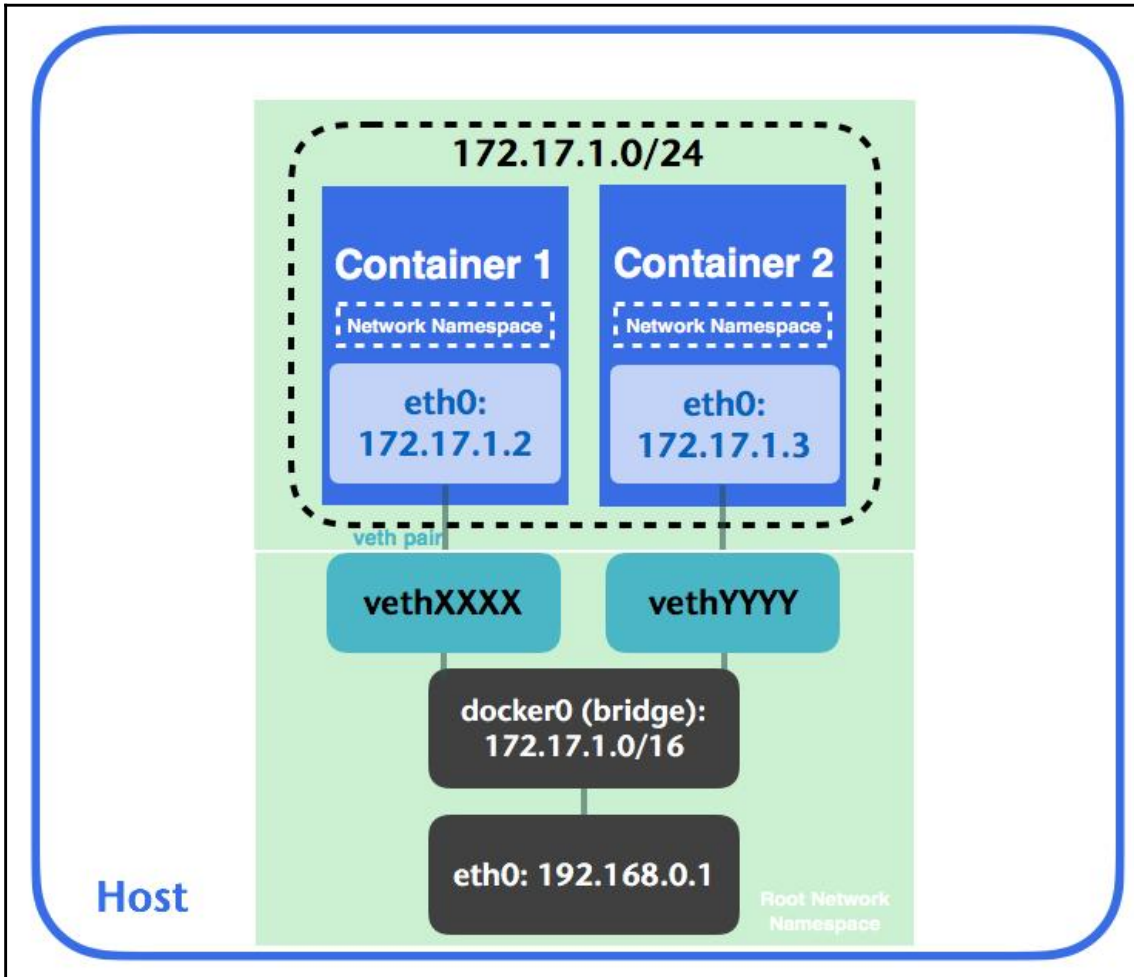


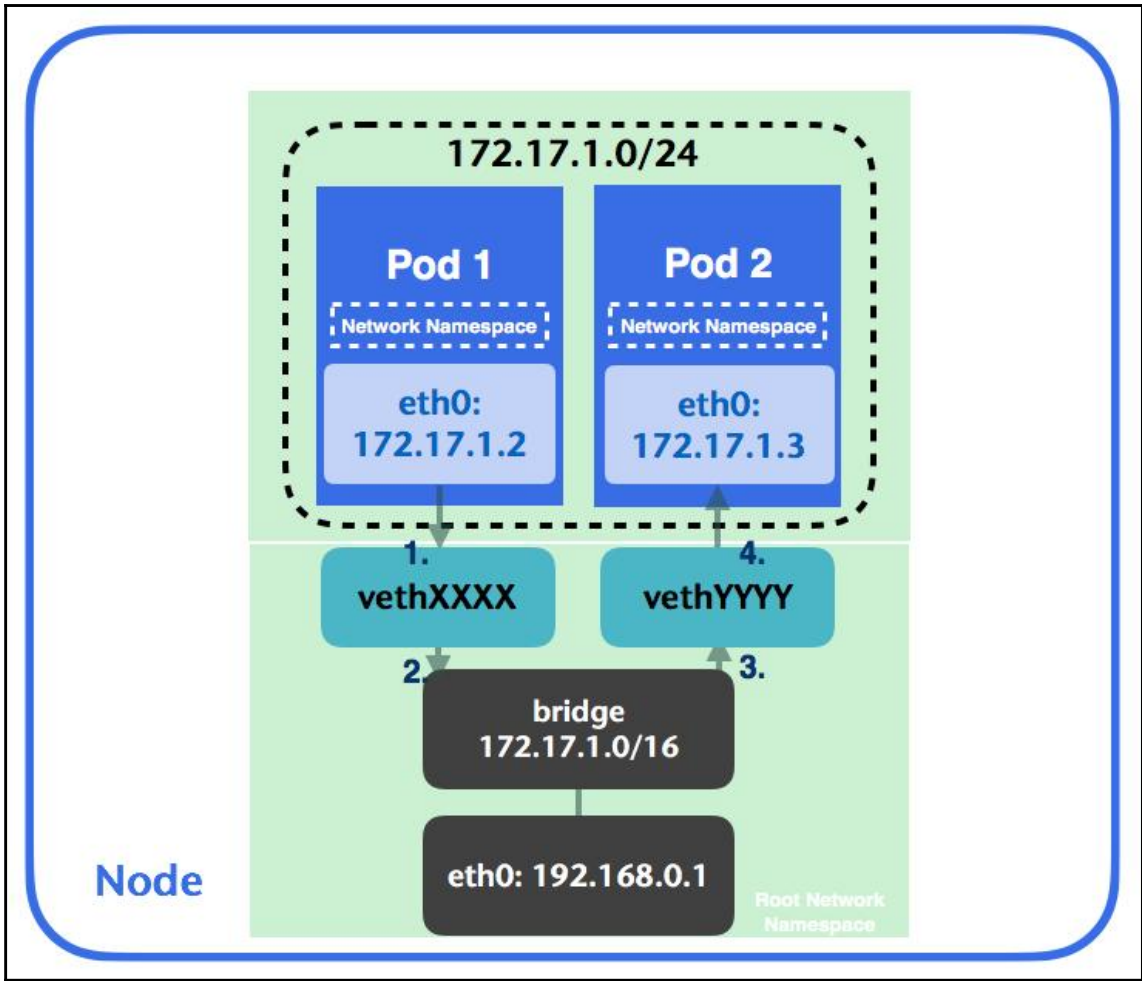
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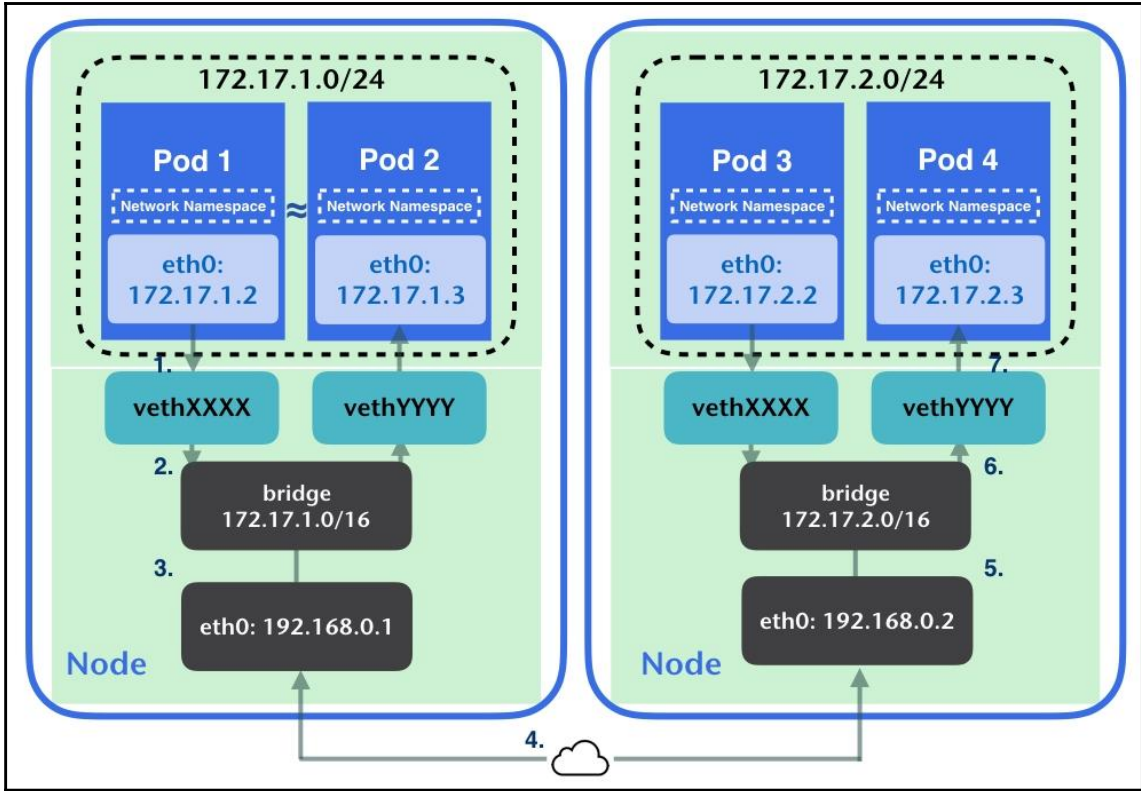
# Chapter 5: Cluster Administration and Extension

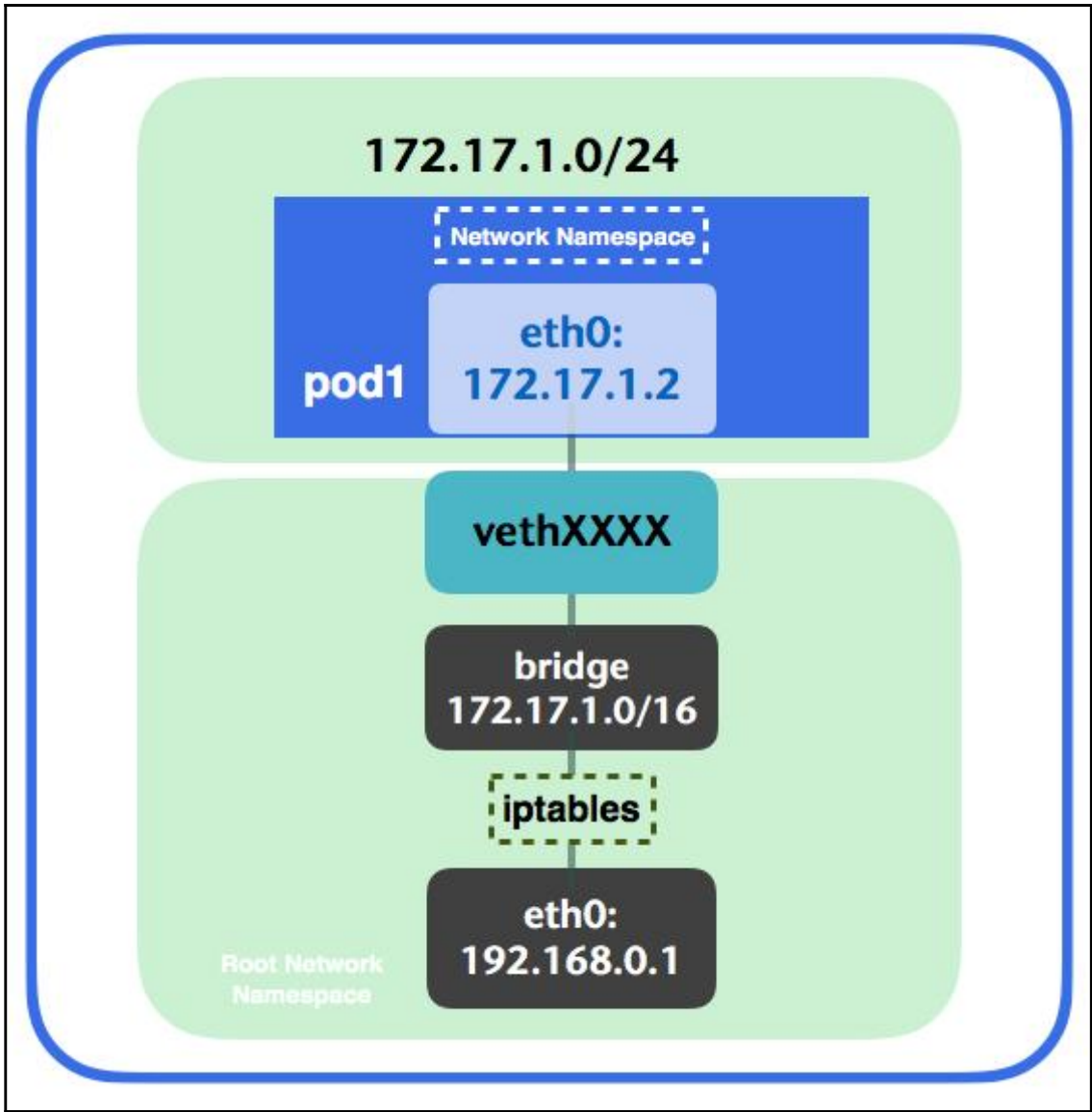


# Chapter 6: Kubernetes Network

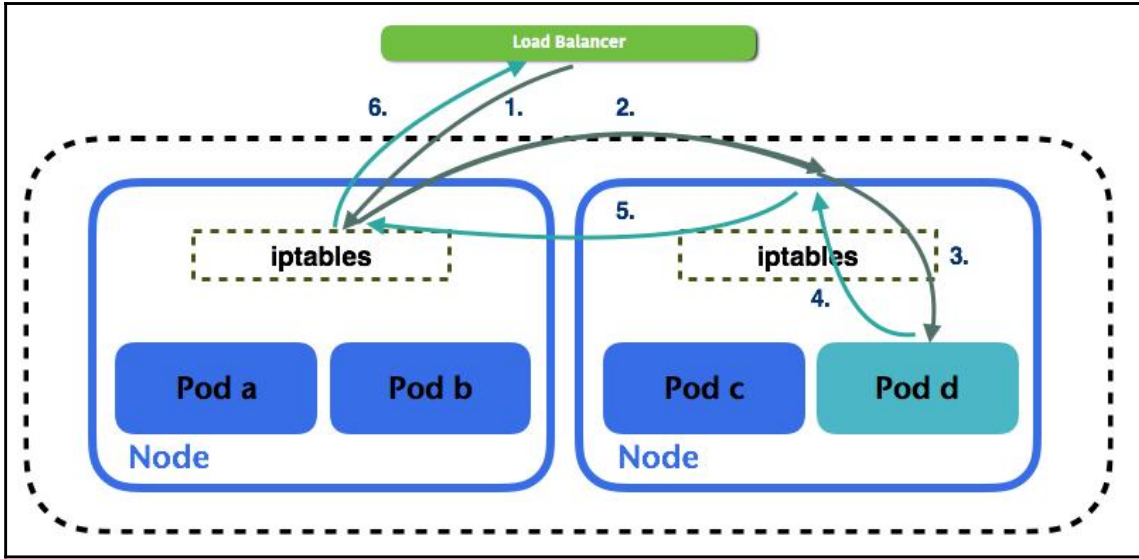


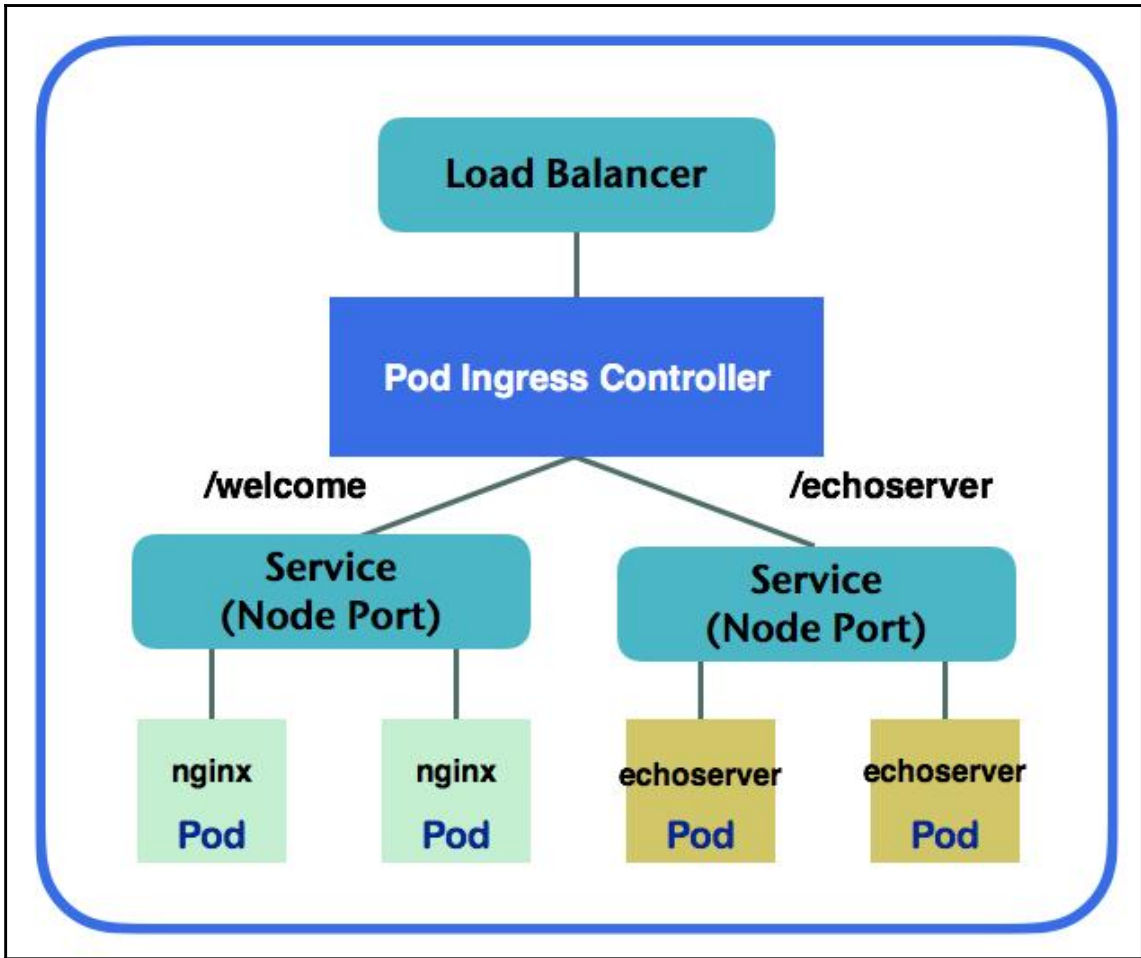


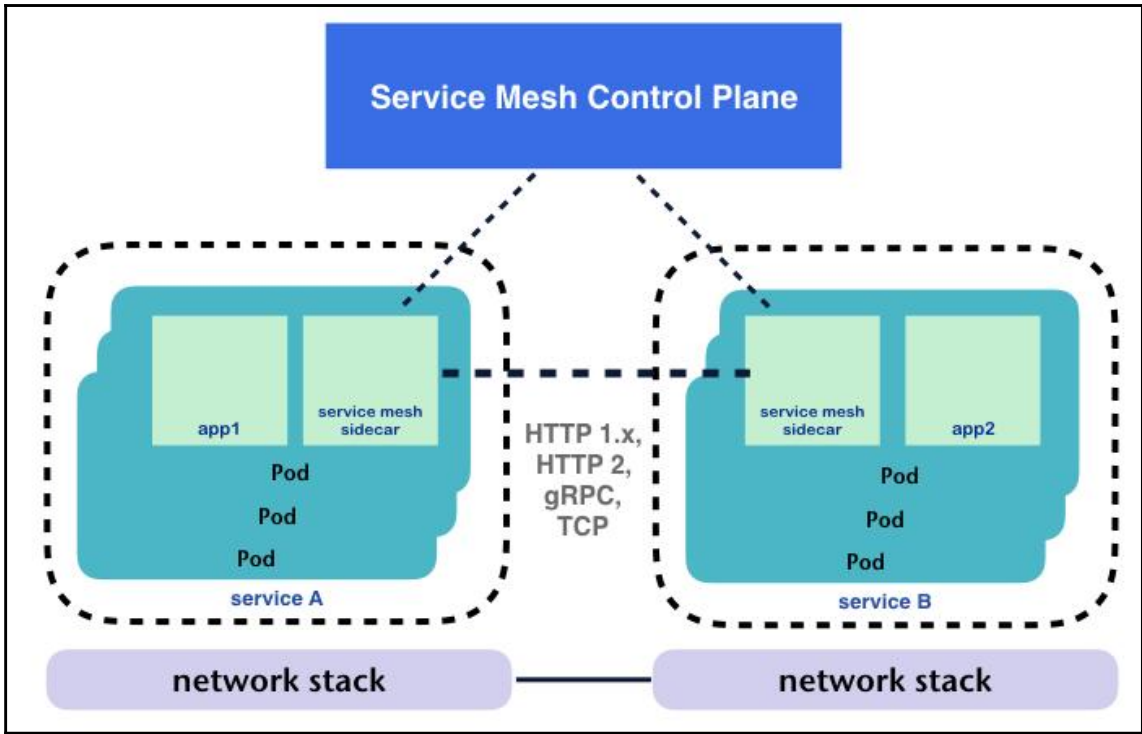












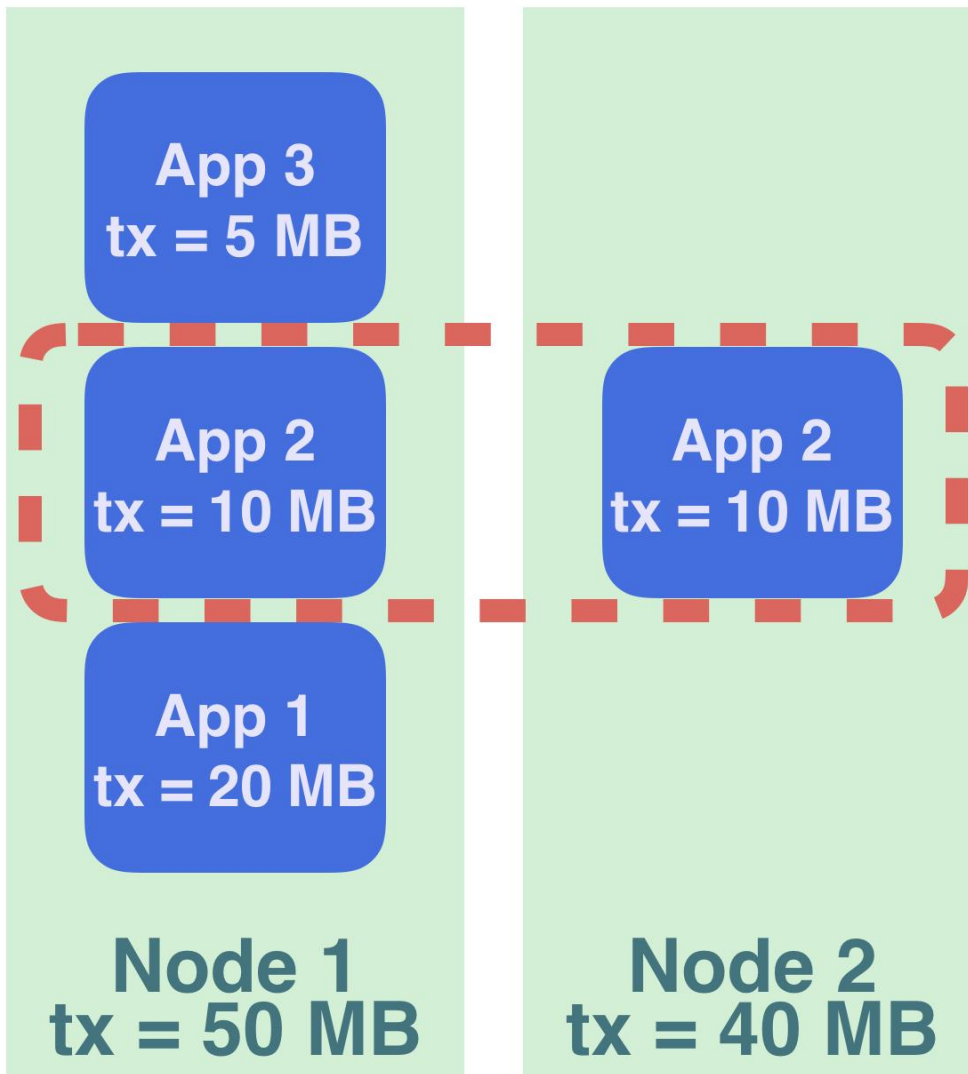
# Chapter 7: Monitoring and Logging

The screenshot displays the Kubernetes dashboard interface. At the top, there is a search bar and a '+ CREATE' button. The main navigation bar shows 'Workloads > Deployments'. On the left, a sidebar lists various workload types: Cron Jobs, Daemon Sets, Deployments (selected), Jobs, Pods, Replica Sets, Replication Controllers, and Stateful Sets. Below this, there are sections for 'Discovery and Load Balancing' (Ingresses, Services) and 'Config and Storage' (Config Maps).

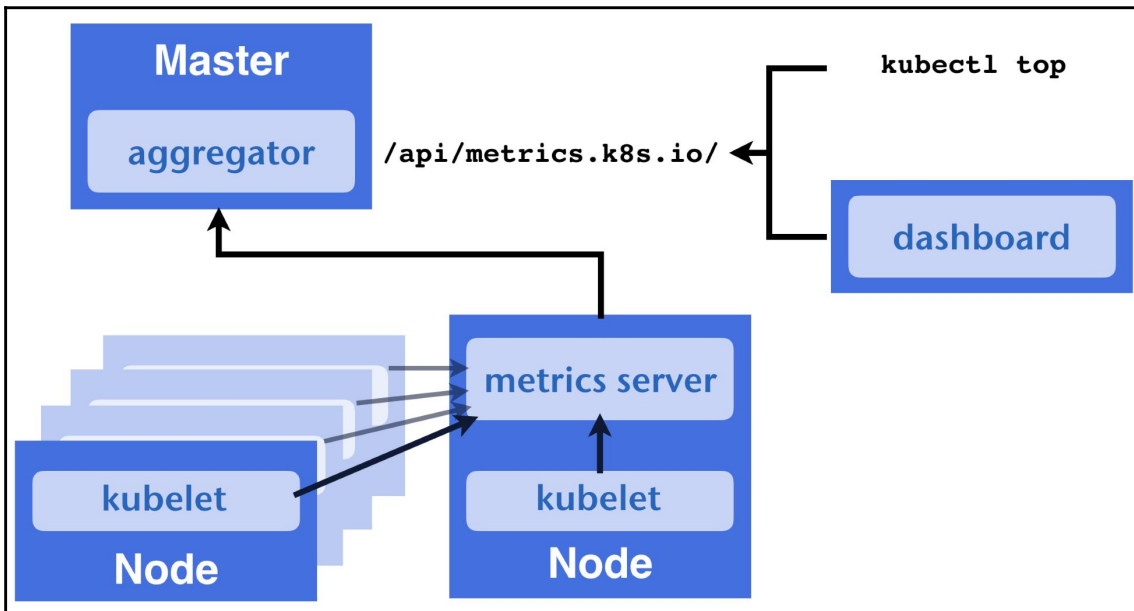
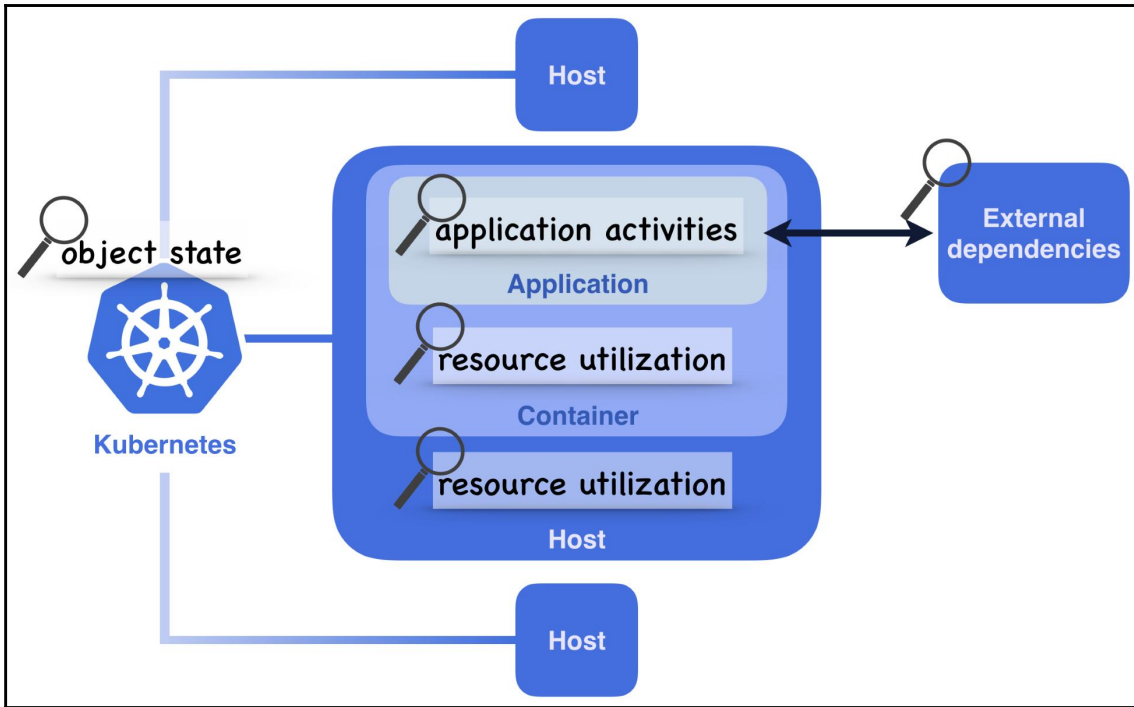
The main content area features two line graphs. The 'CPU usage' graph shows a flat line at 0.0003 cores over time. The 'Memory usage' graph shows a line fluctuating between 264 Ki and 293 Ki, with a tooltip indicating 'Memory Usage 264 Ki' at 21:37. Below the graphs is a table titled 'Deployments' with the following data:

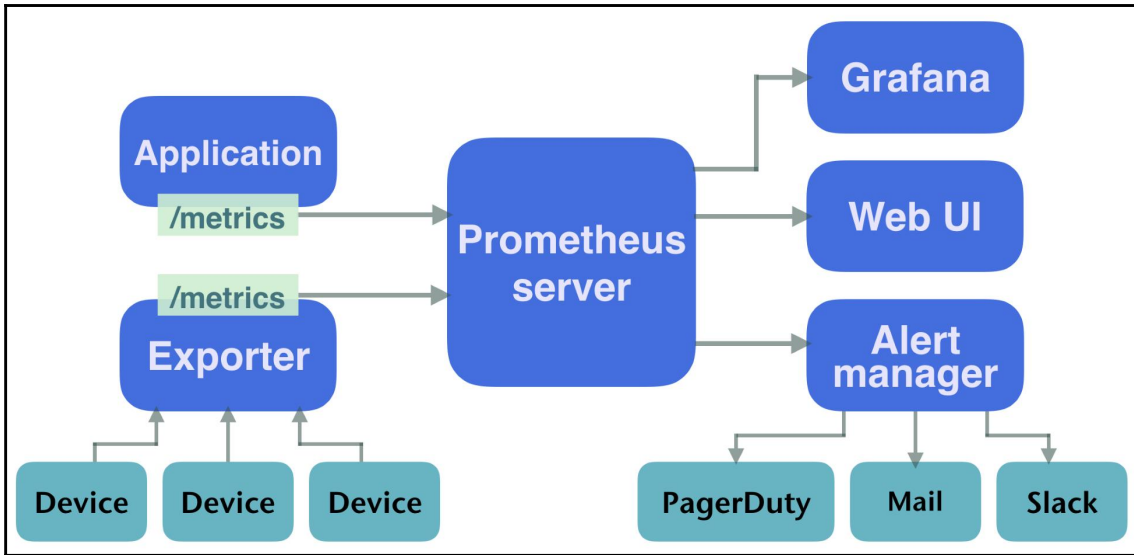
Name	Labels	Pods	Age	Images
imbusy	run: imbusy	1 / 1	6 minutes	busybox

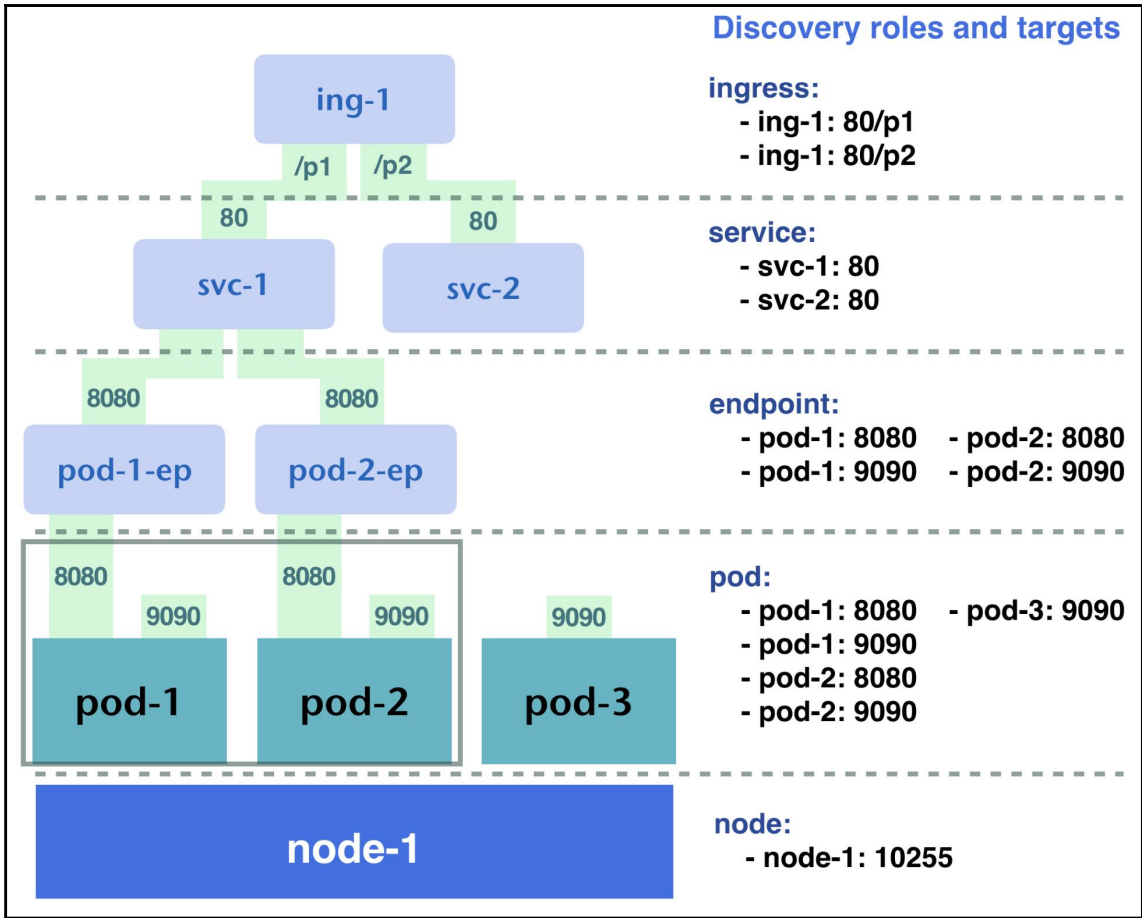
A red warning icon is present next to the deployment name, with a message: 'Back-off restarting failed container'.



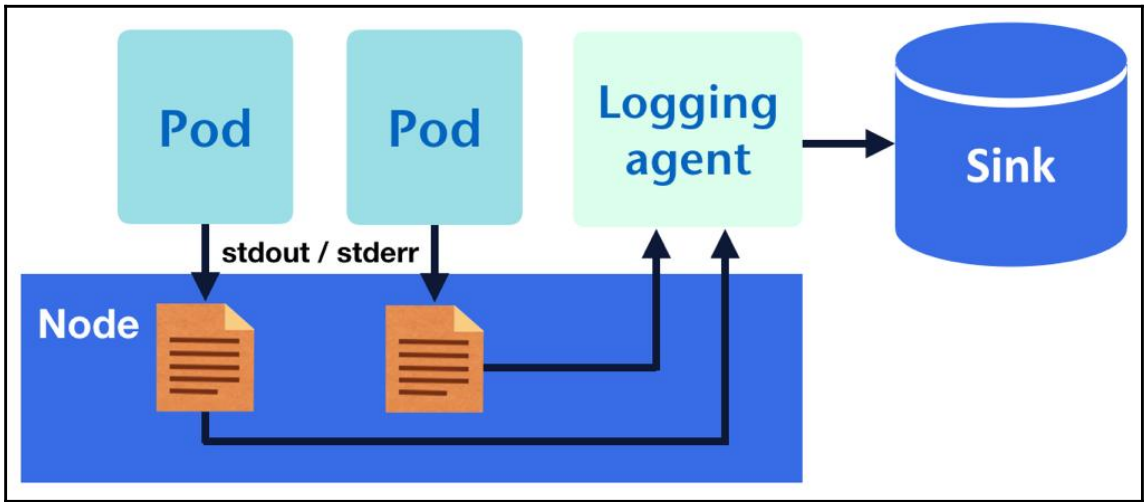
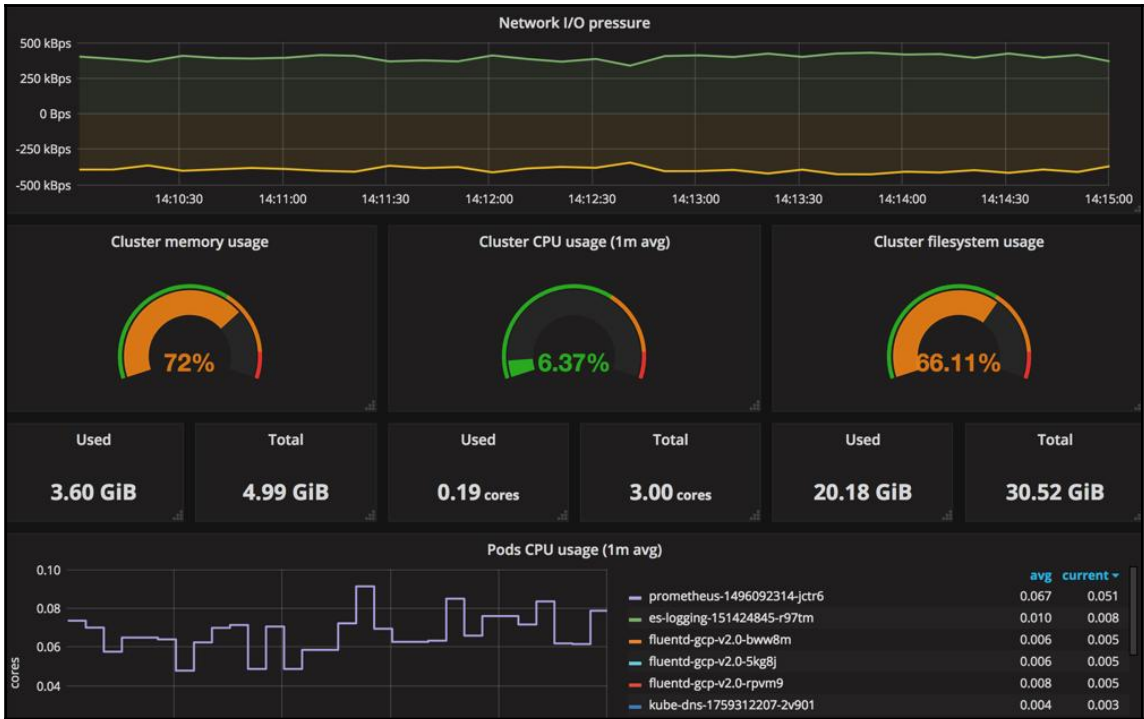
**tx of App 2 on all nodes:  
 $\text{sum}(\text{tx}\{\text{app}=\text{"App 2"}\}) = 20 \text{ MB}$**

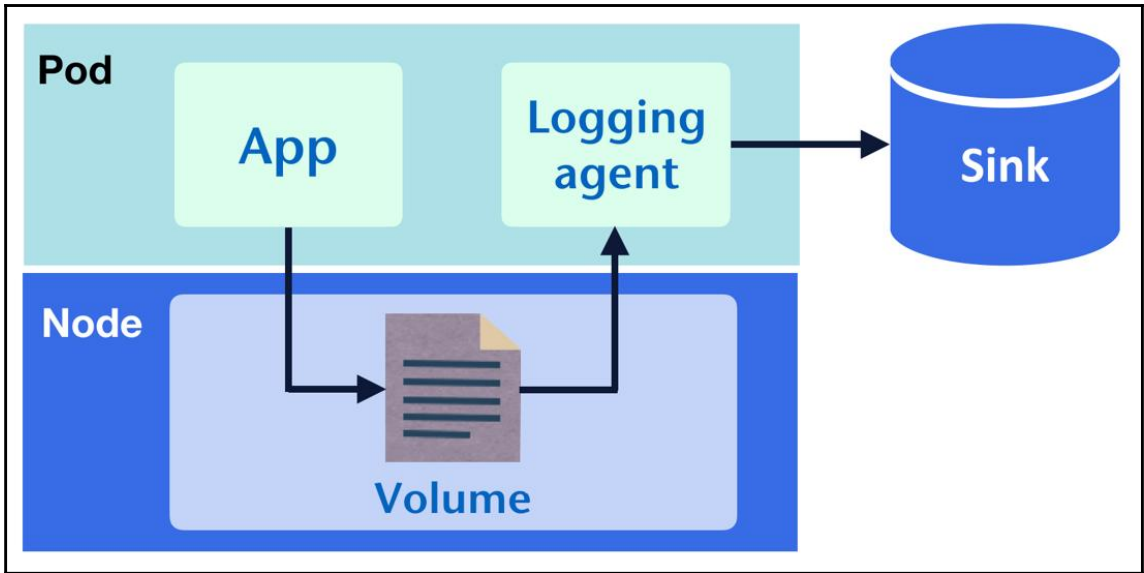


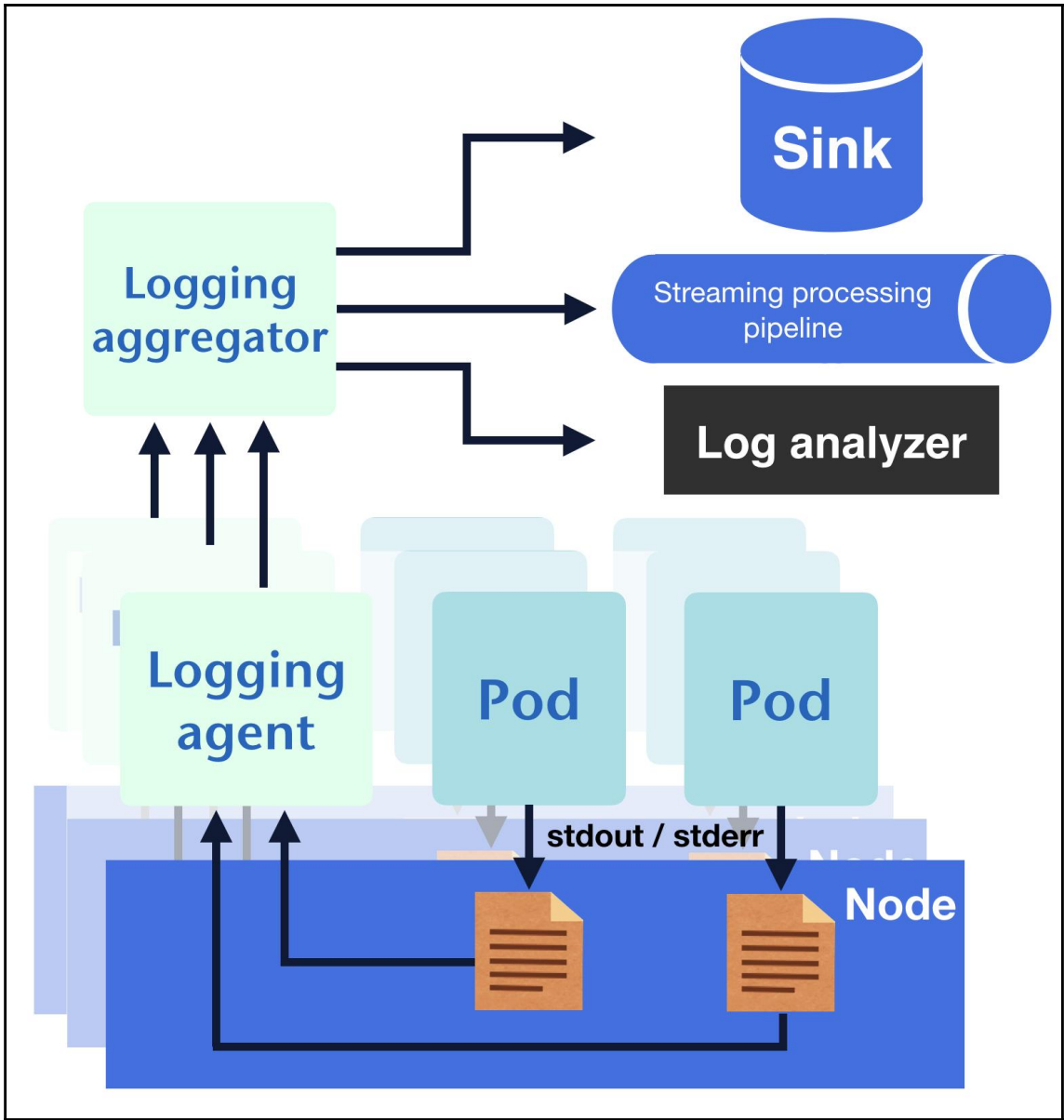


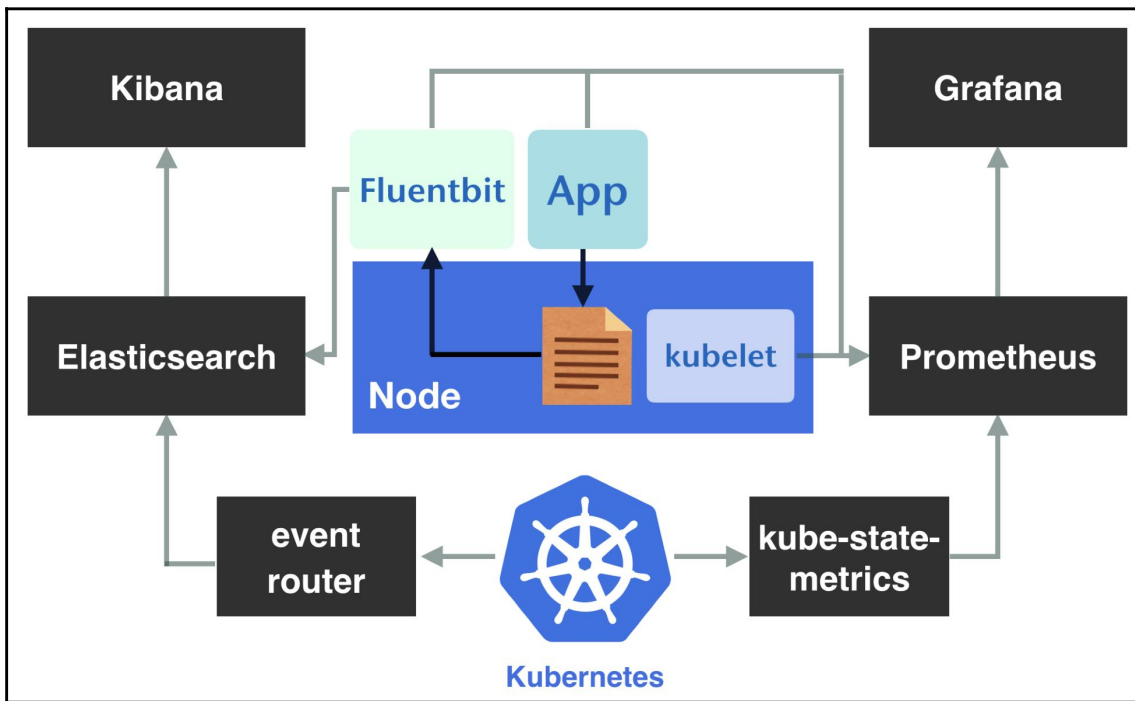
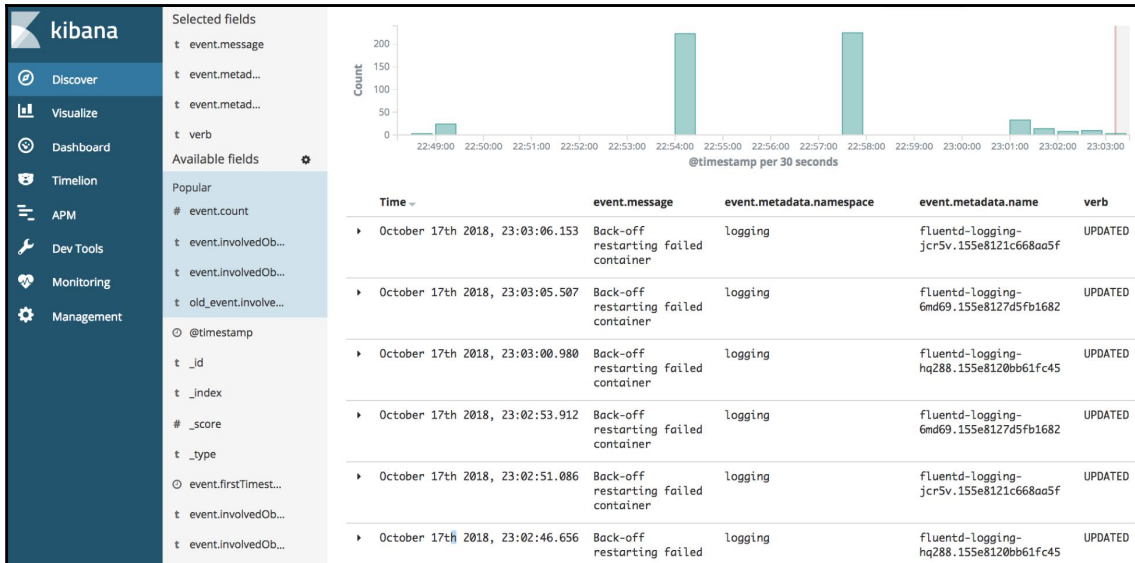


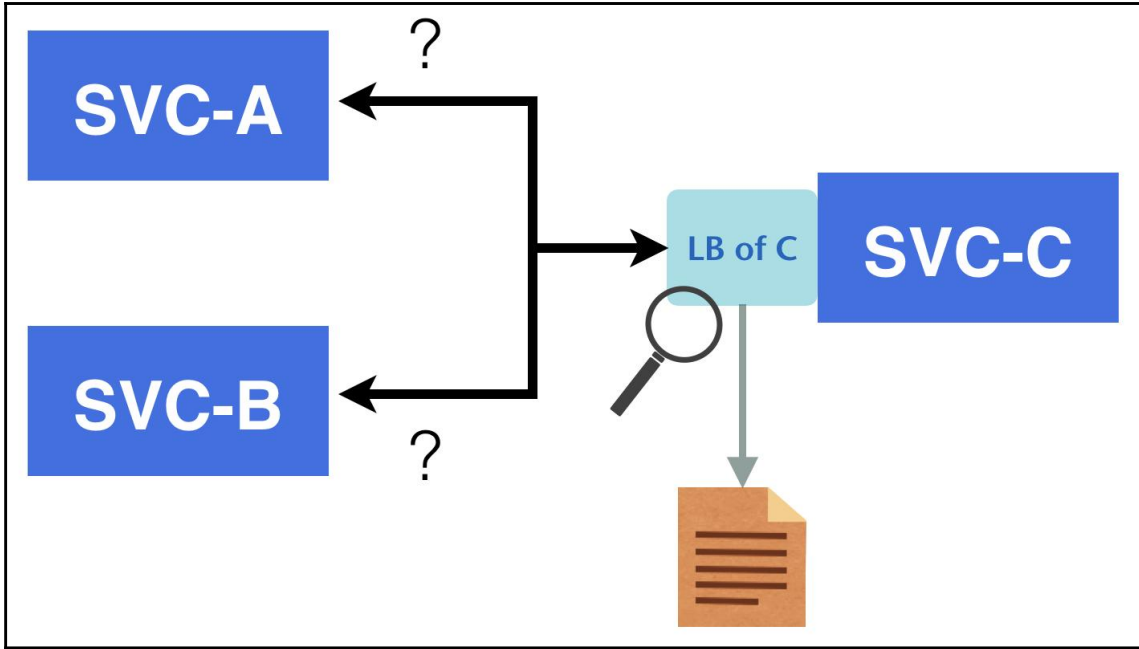


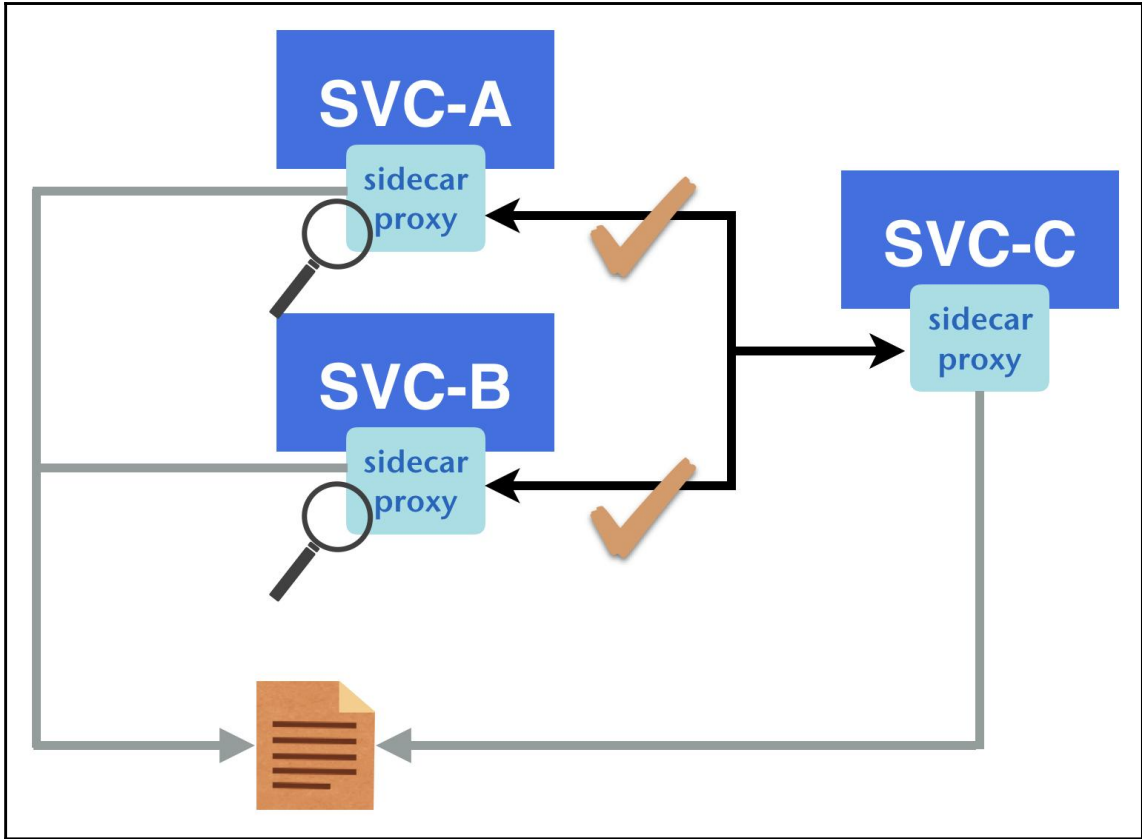


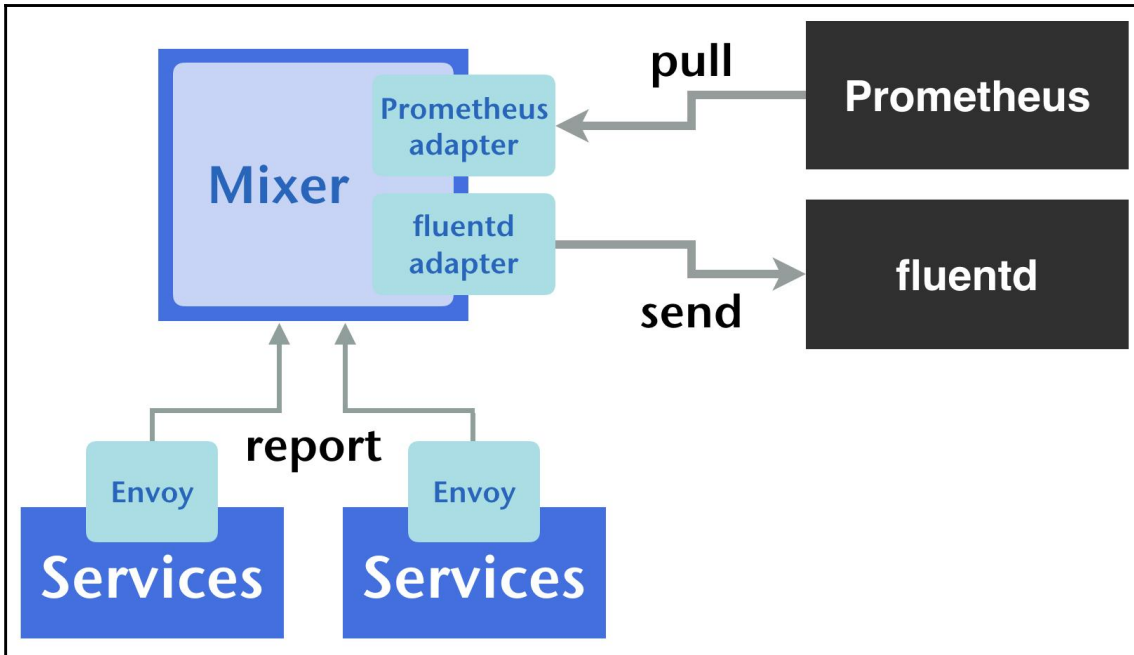




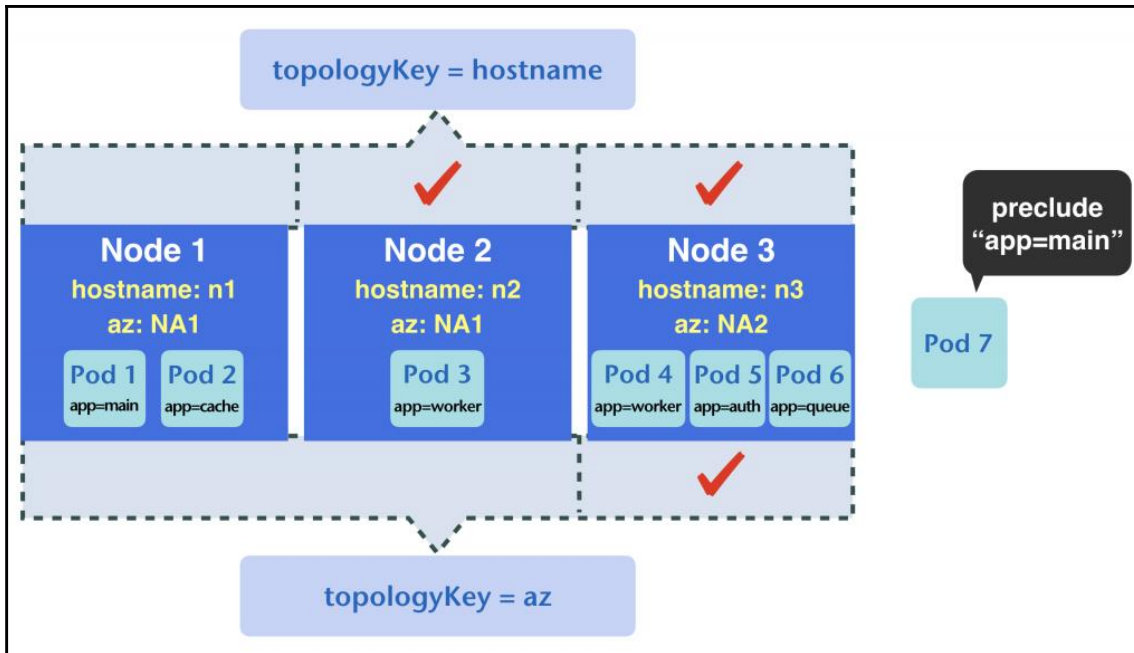
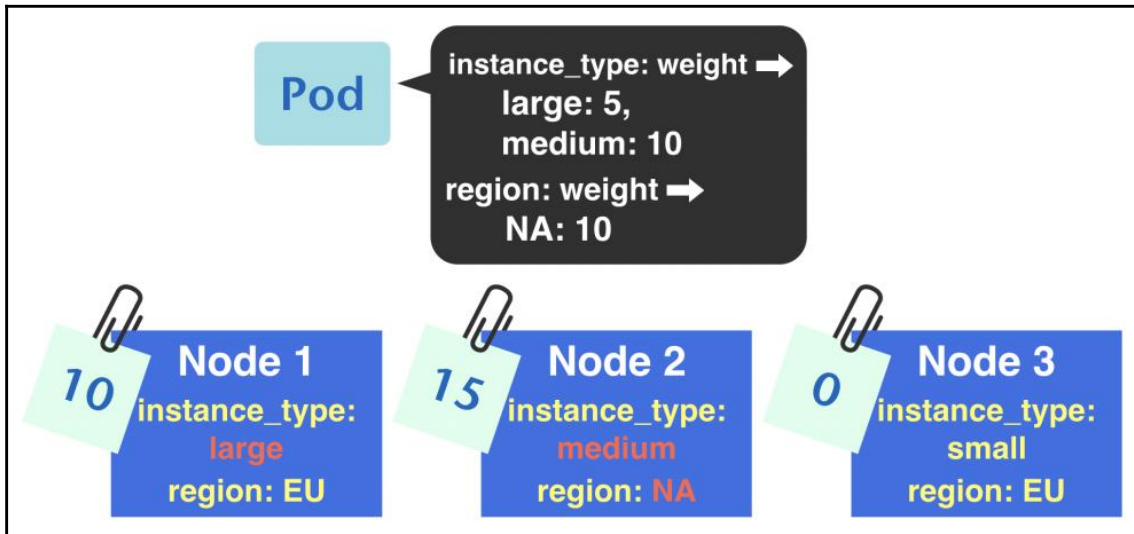




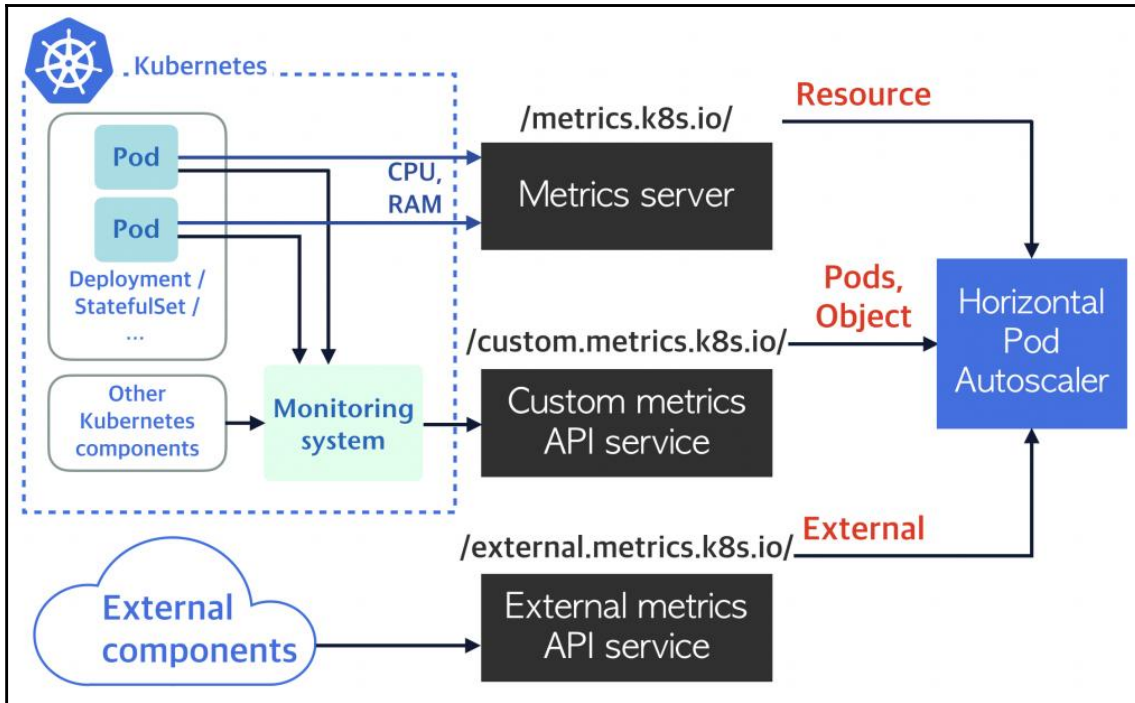




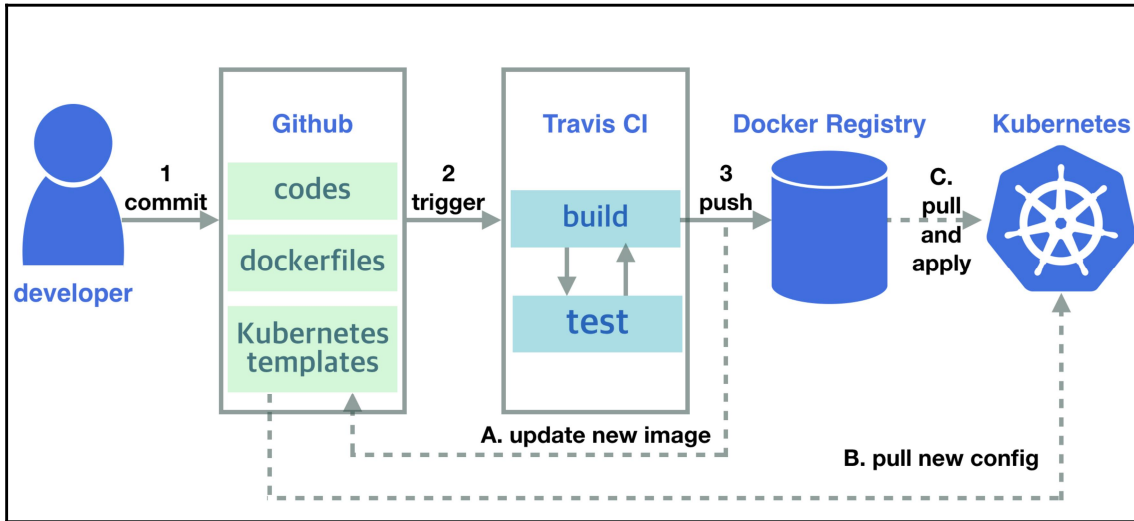
# Chapter 8: Resource Management and Scaling







# Chapter 9: Continuous Delivery



## Environment Variables


Notice that the values are not escaped when your builds are executed. Special characters (for bash) should be escaped accordingly.

CI_ENV_REGISTRY_PASS	.....	
CI_ENV_REGISTRY_USER	.....	
GH_DEPLOYKEY	.....	

```
▶ 437 $ docker login -u ${CI_ENV_REGISTRY_USER} -p "${CI_ENV_REGISTRY_PASS}" after_success.1 0.55s
▶ 444 $ if [[ ${TRAVIS_TAG} =~ ^v.*$ ]]; then after_success.2 4.65s
467 Skipping a deployment with the script provider because a custom condition was not met
468 Skipping a deployment with the script provider because this is not a tagged commit
469
470 Done. Your build exited with 0.
```

---

Latest release

 v0.0.3

 2af2e5b

# Initial release

 falau released this just now

## > Assets 2

v0.0.3

Add CI scripts

---

○○ **v0.0.3 Add CI scripts**

○ Commit 2af2e5b [↗](#)

↻ Compare v0.0.3 [↗](#)

🏷 Tag v0.0.3 [↗](#)

 ChengYang Wu

---

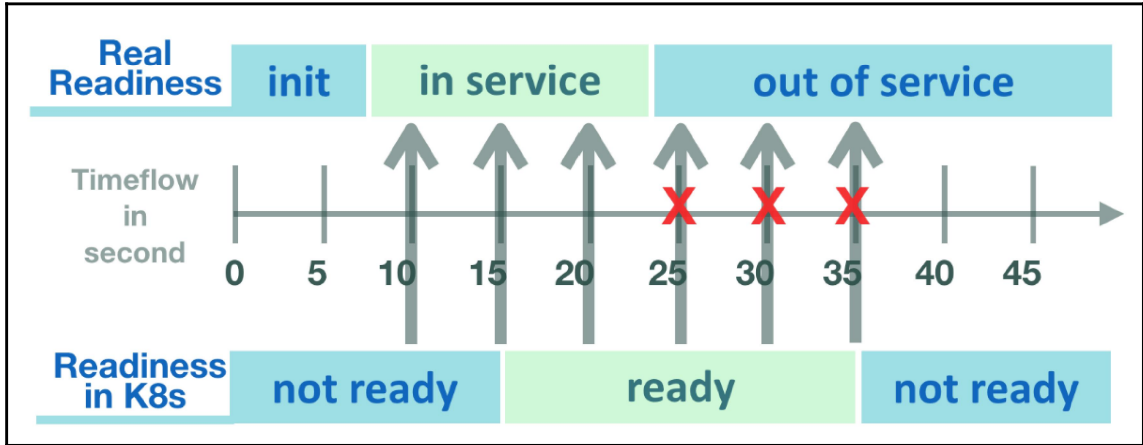
**PUBLIC REPOSITORY**

# devopswithkubernetes/okeydokey

Last pushed: 2 minutes ago

[Repo Info](#) [Tags](#)

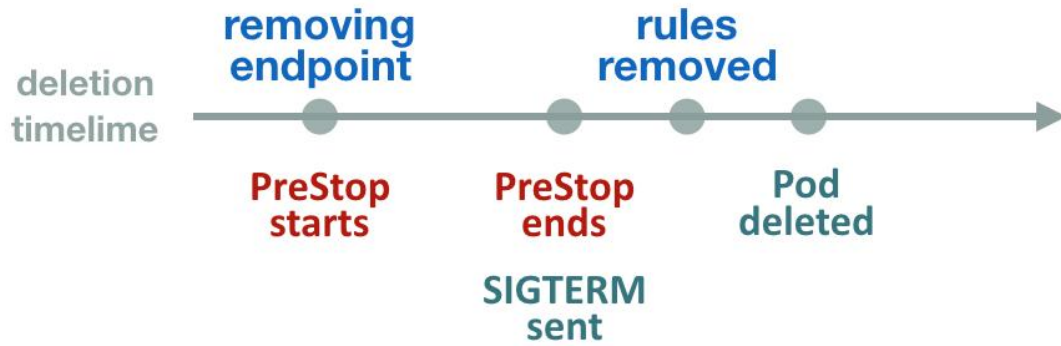
Tag Name	Compressed Size	Last Updated
v0.0.3	51 MB	2 minutes ago



### Pod deletion without PreStop



### Pod deletion with PreStop



---

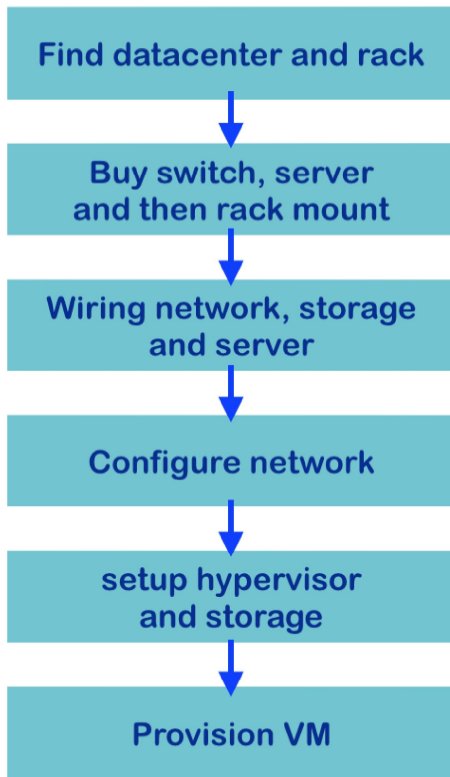
## Chapter 10: Kubernetes on AWS

```
saito — ec2-user@ip-172-31-31-217:~ — ssh ec2-user@54.172.10.42 — 80x19
ec2-user@ip-172-31-31-217:~ — ssh ec2-user@54.172.10.42
$ aws ec2 run-instances --image-id ami-a4c7edb2 --key-name my-key --instance-type t2.nano --security-groups ssh-only > /dev/null
$ aws ec2 describe-instances | grep PublicIpAddress
    "PublicIpAddress": "54.172.10.42",
$ ssh ec2-user@54.172.10.42
The authenticity of host '54.172.10.42 (54.172.10.42)' can't be established.
ECDSA key fingerprint is SHA256:4/4exJT5PiRzcqXSg+mo2Q4de/DJrPEWR2cG+M92ojg.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '54.172.10.42' (ECDSA) to the list of known hosts.
Enter passphrase for key '/Users/saito/.ssh/id_rsa':

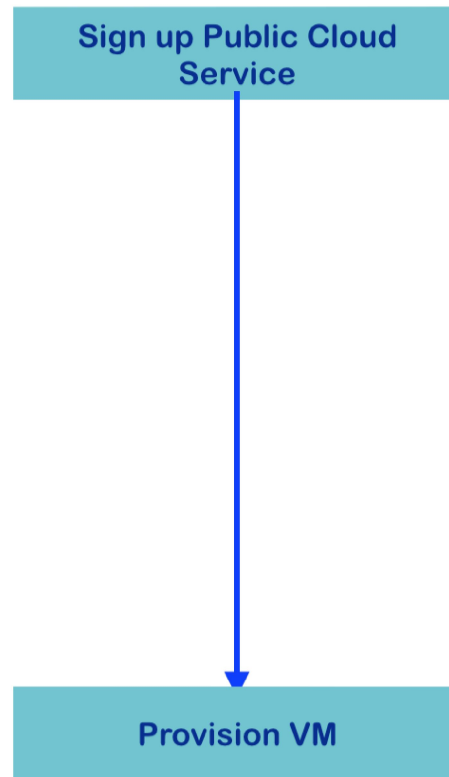
  __|  __|_ )
  _| (    /   Amazon Linux AMI
  ---|\---|---|

https://aws.amazon.com/amazon-linux-ami/2017.03-release-notes/
2 package(s) needed for security, out of 6 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-31-217 ~]$
```

## On Premise



## Public Cloud



<input type="checkbox"/>	IPv4 Public IP	Key Name	Security Groups	VPC ID	Subnet ID	Private IP Addr
<input type="checkbox"/>	-	my-key	private	vpc-0ca37d4650963adbb	subnet-04b78ed9b5f96d76e	10.0.2.116
<input type="checkbox"/>	54.208.77.168	my-key	public	vpc-0ca37d4650963adbb	subnet-09f8f7f06c27cb0a0	10.0.1.41



```
root@ip-10-0-1-24:~ — ssh ec2-user@54.227.197.56 — 79x41
root@ip-10-0-1-24:~ — ssh ec2-user@54.227.197.56
[root@ip-10-0-1-24 ~]# ls /dev/xv*
/dev/xvda /dev/xvda1 /dev/xvdh
[root@ip-10-0-1-24 ~]# fdisk /dev/xvdh
Welcome to fdisk (util-linux 2.23.2).

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Device does not contain a recognized partition table
Building a new DOS disklabel with disk identifier 0x4867ac2f.

Command (m for help): n
Partition type:
   p   primary (0 primary, 0 extended, 4 free)
   e   extended
Select (default p): p
Partition number (1-4, default 1):
First sector (2048-83886079, default 2048):
Using default value 2048
Last sector, +sectors or +size{K,M,G} (2048-83886079, default 83886079):
Using default value 83886079
Partition 1 of type Linux and of size 40 GiB is set

Command (m for help): p

Disk /dev/xvdh: 42.9 GB, 42949672960 bytes, 83886080 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
Disk label type: dos
Disk identifier: 0x4867ac2f

   Device Boot      Start         End      Blocks   Id  System
/dev/xvdh1          2048     83886079     41942016   83  Linux

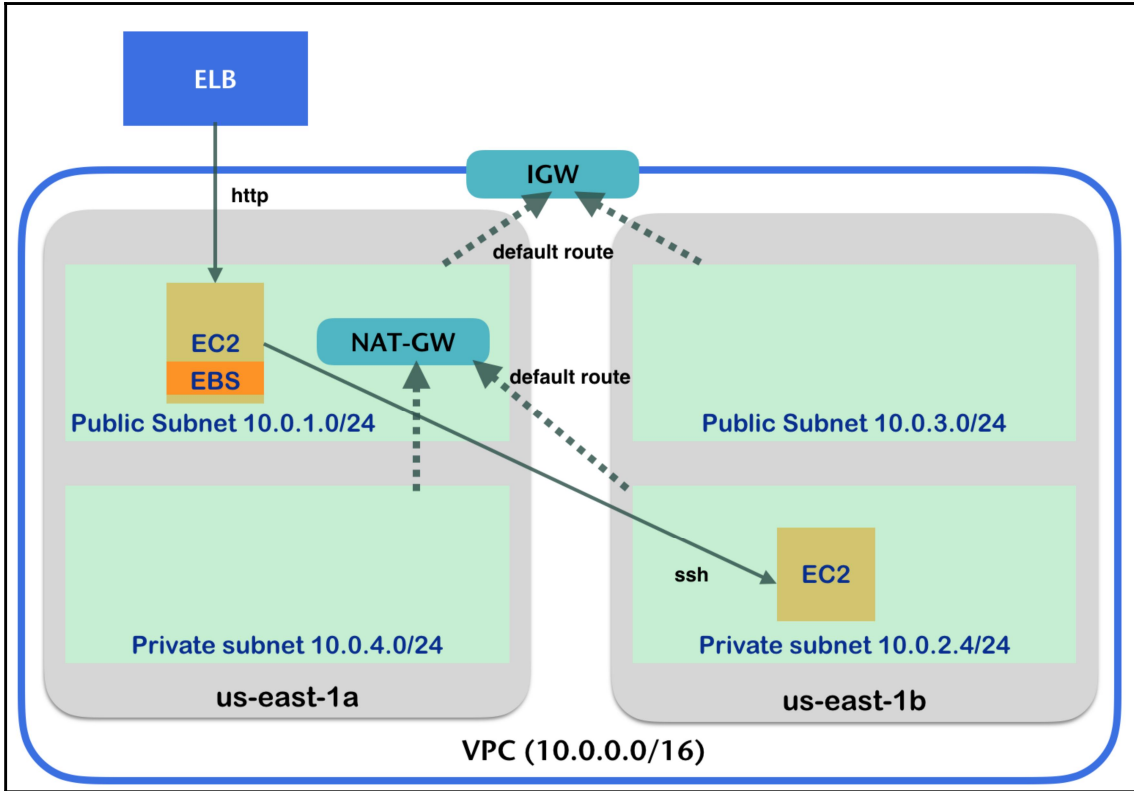
Command (m for help): w
The partition table has been altered!

Calling ioctl() to re-read partition table.
Syncing disks.
[root@ip-10-0-1-24 ~]#
```

```
root@ip-10-0-1-24:/ — ssh ec2-user@54.227.197.56 — 79x25
root@ip-10-0-1-24:/ — ssh ec2-user@54.227.197.56 +
[root@ip-10-0-1-24 ~]# mkfs.ext4 /dev/xvdh1
mke2fs 1.42.12 (29-Aug-2014)
Creating filesystem with 10485504 4k blocks and 2621440 inodes
Filesystem UUID: 5cc5edff-d667-420c-a189-4d2b1e966607
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632, 2654208,
    4096000, 7962624

Allocating group tables: done
Writing inode tables: done
Creating journal (32768 blocks): done
Writing superblocks and filesystem accounting information: done

[root@ip-10-0-1-24 ~]#
[root@ip-10-0-1-24 ~]# mount /dev/xvdh1 /mnt
[root@ip-10-0-1-24 ~]# cd /mnt
[root@ip-10-0-1-24 mnt]# ls
lost+found
[root@ip-10-0-1-24 mnt]# df -h /mnt
Filesystem      Size  Used Avail Use% Mounted on
/dev/xvdh1      40G   48M   38G   1% /mnt
[root@ip-10-0-1-24 mnt]# touch hello
[root@ip-10-0-1-24 mnt]# cd /
[root@ip-10-0-1-24 /]# umount /mnt
```



chap10-worker Other Actions ▾ Update Stack

Stack name: chap10-worker

Stack ID: arn:aws:cloudformation:us-east-1:██████████:stack/chap10-worker/7381e960-0161-11e9-b7b0-124d1eab42ba

Status: CREATE\_COMPLETE

Status reason:

Termination protection: Disabled

Drift status: NOT\_CHECKED [View details](#)

Last drift check time:

IAM role:

Description Amazon EKS - Node Group - Released 2018-08-30

▾ Outputs

Key	Value	Description	Export Name
NodeInstanceRole	arn:aws:iam:██████████:role/chap10-worker-NodeInstanceRole-8AFV8TB4IOX	The node instance role	

Load balancer: a32b448ff018e11e9a1900ea06fe1e65

Description Instances Health check Listeners Monitoring Tags Migration

### Basic Configuration

<b>Name</b>	a32b448ff018e11e9a1900ea06fe1e65	<b>Creation time</b>	December 16, 2018 at 3:56:27 PM UTC-8
<b>* DNS name</b>	internal-a32b448ff018e11e9a1900ea06fe1e65-1506998266.us-east-1.elb.amazonaws.com (A Record)	<b>Hosted zone</b>	Z35SXDOTRQ7X7K
<b>Type</b>	Classic (Migrate Now)	<b>Status</b>	2 of 2 instances in service
<b>Scheme</b>	internal	<b>VPC</b>	vpc-0ca37d4650963adbb

Load balancer: a639079bc018f11e9a1900ea06fe1e65

Description Instances Health check Listeners Monitoring Tags Migration

### Basic Configuration

<b>Name</b>	a639079bc018f11e9a1900ea06fe1e65	<b>Creation time</b>	December 16, 2018 at 4:06:03 PM UTC-8
<b>* DNS name</b>	a639079bc018f11e9a1900ea06fe1e65-1363162049.us-east-1.elb.amazonaws.com (A Record)	<b>Hosted zone</b>	Z35SXDOTRQ7X7K
<b>Type</b>	Classic (Migrate Now)	<b>Status</b>	2 of 2 instances in service
<b>Scheme</b>	internet-facing	<b>VPC</b>	vpc-0ca37d4650963adbb
<b>Availability Zones</b>	subnet-026058e32f09c28af - us-east-1b , subnet-09f87f06c27cb0a0 - us-east-1a		

Browser address bar: a639079bc018f11e9a1900ea06fe1e65-1363162049.us

Welcome to nginx!

# Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](http://nginx.org). Commercial support is available at [nginx.com](http://nginx.com).

*Thank you for using nginx.*

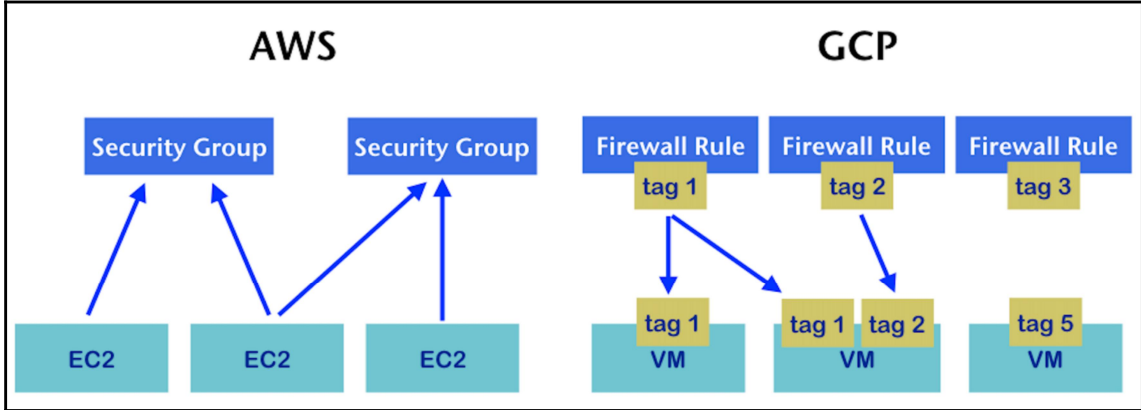
---

# Chapter 11: Kubernetes on GCP

my-auto-network	18	Auto ▾		
us-central1	my-auto-network		10.128.0.0/20	10.128.0.1
europa-west1	my-auto-network		10.132.0.0/20	10.132.0.1
us-west1	my-auto-network		10.138.0.0/20	10.138.0.1
asia-east1	my-auto-network		10.140.0.0/20	10.140.0.1
us-east1	my-auto-network		10.142.0.0/20	10.142.0.1
asia-northeast1	my-auto-network		10.146.0.0/20	10.146.0.1
asia-southeast1	my-auto-network		10.148.0.0/20	10.148.0.1
us-east4	my-auto-network		10.150.0.0/20	10.150.0.1
australia-southeast1	my-auto-network		10.152.0.0/20	10.152.0.1
europa-west2	my-auto-network		10.154.0.0/20	10.154.0.1
europa-west3	my-auto-network		10.156.0.0/20	10.156.0.1
southamerica-east1	my-auto-network		10.158.0.0/20	10.158.0.1
asia-south1	my-auto-network		10.160.0.0/20	10.160.0.1
northamerica-northeast1	my-auto-network		10.162.0.0/20	10.162.0.1
europa-west4	my-auto-network		10.164.0.0/20	10.164.0.1
europa-north1	my-auto-network		10.166.0.0/20	10.166.0.1
us-west2	my-auto-network		10.168.0.0/20	10.168.0.1
asia-east2	my-auto-network		10.170.0.0/20	10.170.0.1

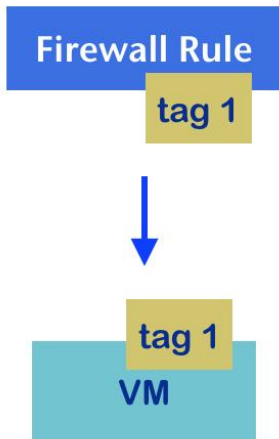
my-custom-network	0	Custom		0
-------------------	---	--------	--	---

<a href="#">my-custom-network</a>	3	Custom	0
us-west1	subnet-a	10.0.1.0/24	10.0.1.1
us-east1	subnet-b	172.16.1.0/24	172.16.1.1
asia-northeast1	subnet-c	192.168.1.0/24	192.168.1.1

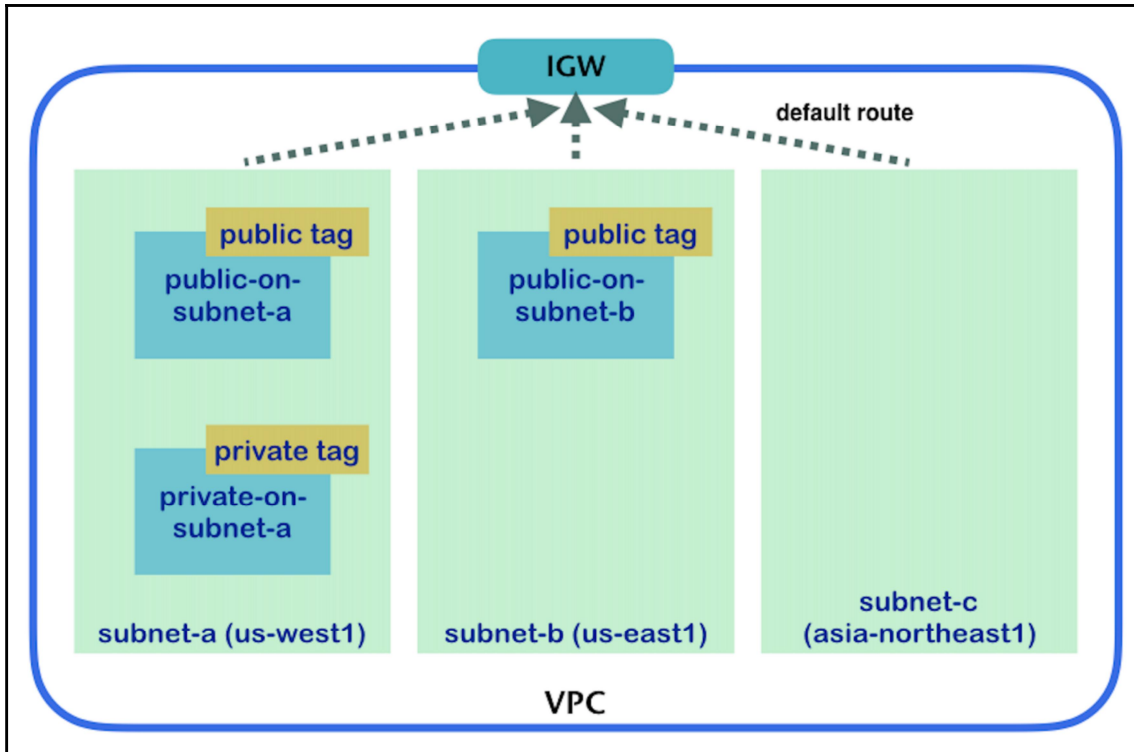
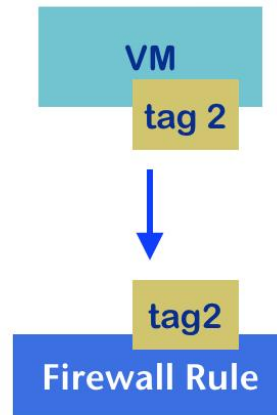


<input type="checkbox"/> Name	Targets	Source filters	Protocols / ports	Action	Priority	Network <span>▼</span>
<input type="checkbox"/> internal-icmp	public, 1 more <span>▼</span>	Tags: public, 1 more <span>▼</span>	icmp	Allow	1000	my-custom-network
<input type="checkbox"/> private-ssh	private	Tags: public	tcp:22	Allow	1000	my-custom-network
<input type="checkbox"/> public-http	public	IP ranges: 0.0.0.0/0	tcp:80	Allow	1000	my-custom-network
<input type="checkbox"/> public-ssh	public	IP ranges: 0.0.0.0/0	tcp:22	Allow	1000	my-custom-network

## Create FW rule first



## Create VM first



```
saito — saito@public-on-subnet-b: ~ — -bash — 67x8
saito@public-on-subnet-b: ~ — -bash
$ ping -c 3 35.196.228.40
PING 35.196.228.40 (35.196.228.40): 56 data bytes
Request timeout for icmp_seq 0
Request timeout for icmp_seq 1

--- 35.196.228.40 ping statistics ---
3 packets transmitted, 0 packets received, 100.0% packet loss
$
```

```
saito — saito@public-on-subnet-b: ~ — ssh -A 35.196.228.40 — 90x15
saito@public-on-subnet-b: ~ — ssh -A 35.196.228.40
$ ssh -A 35.196.228.40
The authenticity of host '35.196.228.40 (35.196.228.40)' can't be established.
ECDSA key fingerprint is SHA256:plGeb+dE1X0rANB4GklVeM0z835KE8FHGSCdSCdXCn4.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '35.196.228.40' (ECDSA) to the list of known hosts.
Linux public-on-subnet-b 4.9.0-3-amd64 #1 SMP Debian 4.9.30-2+deb9u3 (2017-08-06) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Thu Aug 24 06:27:21 2017 from 107.196.102.199
saito@public-on-subnet-b:~$
```

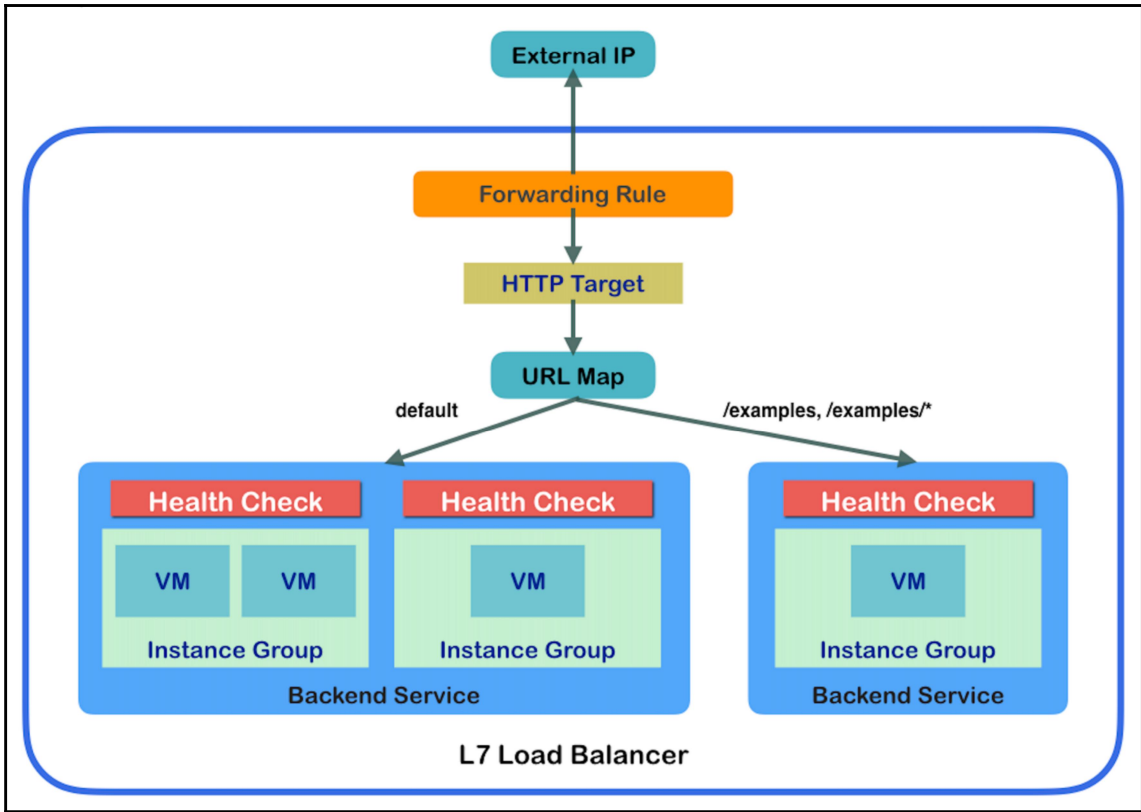


```
saito — saito@private-on-subnet-a: ~ — ssh -A 35.196.228.40 — 101x22
saito@private-on-subnet-a: ~ — ssh -A 35.196.228.40
saito@public-on-subnet-b:~$ ping -c 3 10.0.1.2
PING 10.0.1.2 (10.0.1.2) 56(84) bytes of data.
64 bytes from 10.0.1.2: icmp_seq=1 ttl=64 time=67.6 ms
64 bytes from 10.0.1.2: icmp_seq=2 ttl=64 time=66.5 ms
64 bytes from 10.0.1.2: icmp_seq=3 ttl=64 time=66.5 ms

--- 10.0.1.2 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 66.564/66.921/67.630/0.543 ms
saito@public-on-subnet-b:~$
saito@public-on-subnet-b:~$ ssh 10.0.1.2
Linux private-on-subnet-a 4.9.0-3-amd64 #1 SMP Debian 4.9.30-2+deb9u3 (2017-08-06) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Sun Aug 27 01:28:37 2017 from 172.16.1.2
saito@private-on-subnet-a:~$ sudo su
root@private-on-subnet-a:/home/saito# apt-get -y update; apt-get -y install tomcat8 tomcat8-examples
```



Backend

**Backend services**

✓ 1. my-http-backend-service  
 Endpoint protocol: HTTP Named port: http Timeout: 30 seconds Cloud CDN: disabled Health check: my-http-health-check

⌵ Advanced configurations

Instance group ^	Zone	Healthy	Autoscaling	Balancing mode	Capacity
http-ig-us-east	us-east1-c	1 / 1	Off	Max CPU: 80%	100%
http-ig-us-west	us-west1-a	1 / 1	Off	Max CPU: 80%	100%

⚠ 2. my-tomcat-backend-service  
 Endpoint protocol: HTTP Named port: tomcat Timeout: 30 seconds Cloud CDN: disabled Health check: my-tomcat-health-check

⌵ Advanced configurations

Instance group ^	Zone	Healthy	Autoscaling	Balancing mode	Capacity
tomcat-ig-us-west	us-west1-a	0 / 1	Off	Max CPU: 80%	100%

Welcome to nginx!

# Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

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 Commercial support is available at [nginx.com](http://nginx.com).

*Thank you for using nginx.*

Apache Tomcat Examples

- [Servlets examples](#)
- [JSP Examples](#)
- [WebSocket Examples](#)

```
chapter10 -- -bash -- 73x19
-bash
$ kubectl create -f nginx.yml
deployment "nginx" created
service "nginx" created
$
$ kubectl create -f tomcat.yml
deployment "tomcat" created
service "tomcat" created
$
$ kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
nginx-158599303-vk6cs              1/1     Running   0           46s
tomcat-670632475-l6h8q            1/1     Running   0           40s
$
$ kubectl get svc
NAME          CLUSTER-IP      EXTERNAL-IP   PORT(S)          AGE
kubernetes   10.59.240.1     <none>        443/TCP          19h
nginx        10.59.253.114   <nodes>       80:30339/TCP     53s
tomcat       10.59.248.76    <nodes>       8080:30813/TCP   47s
$
```

console.cloud.google.com/net-services/loadbalancing/loadBalancing

Network services - DevOps with Kubernetes

Google Cloud Platform DevOps with Kubernetes

### Load balancing

+ CREATE LOAD BALANCER REFRESH

Load balancers Backends Frontends

Load balancer Protocol

✔ k8s-um-default-nginx-tomcat-ingress--3c8c21de411cc483 Edit

Details Monitoring Caching

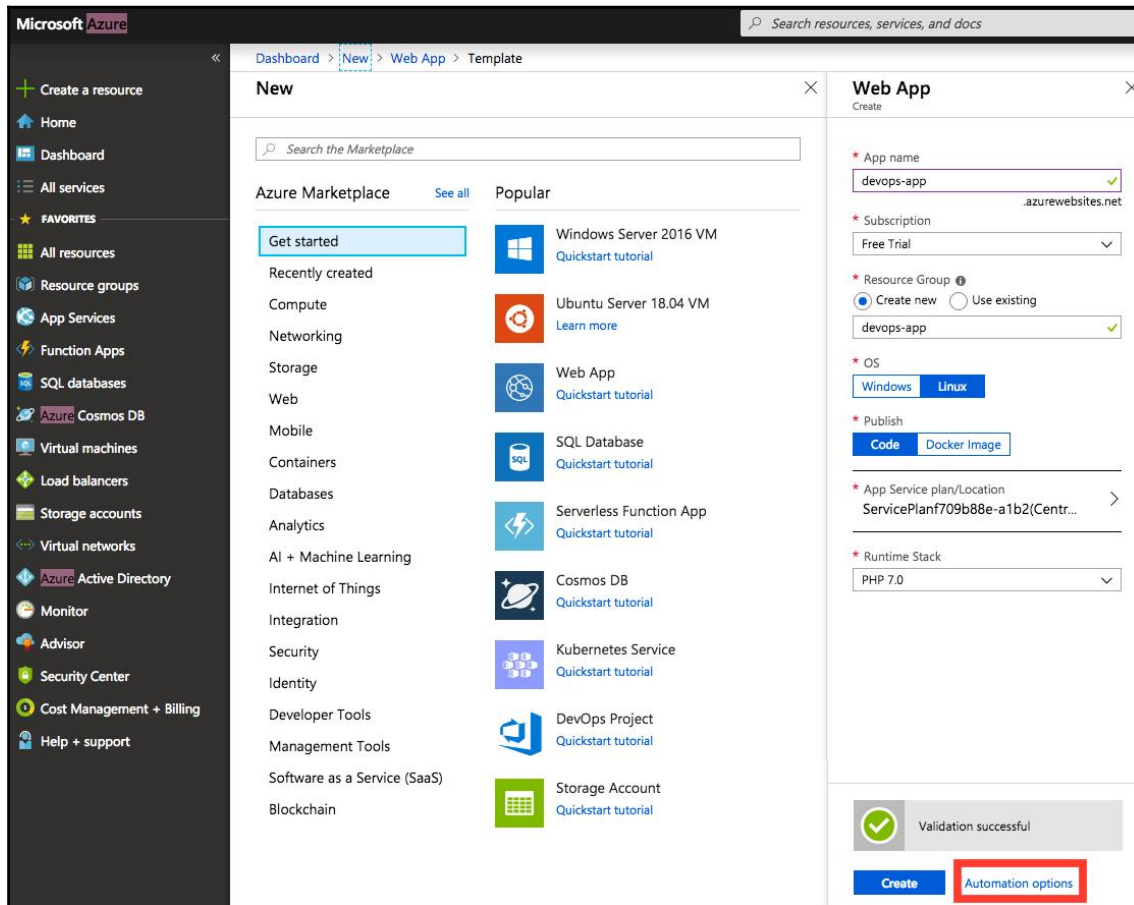
#### Frontend

Protocol	IP:Port	Certificate
HTTP	107.178.253.174:80	-

#### Host and path rules

Hosts	Paths	Backend
All unmatched (default)	All unmatched (default)	k8s-be-31878-3c8c21de411cc483
*	/*	k8s-be-31878-3c8c21de411cc483
*	/	k8s-be-30339-3c8c21de411cc483
*	/examples	k8s-be-30813-3c8c21de411cc483
*	/examples/*	k8s-be-30813-3c8c21de411cc483

# Chapter 12: Kubernetes on Azure



Dashboard > New > Web App > Template

### Web App

Create

App name: devops-app  
Subscription: azurewebsites.net  
Resource Group: devops-app  
OS: Linux  
Publish: Code, Docker Image  
App Service plan/Location: ServicePlan709b88e-a1b2(Centr...  
Runtime Stack: PHP 7.0

Validation successful

Deploy

### Template

Automate deploying resources with Azure Resource Manager templates in a single, coordinated operation. Define resources and configurable input parameters and deploy with script or code. [Learn more about template deployment.](#)

Template Parameters CLI PowerShell .NET Ruby

```
3 {
4   {
5     "apiVersion": "2016-03-01",
6     "name": "[parameters('name')]",
7     "type": "Microsoft.Web/sites",
8     "properties": {
9       "name": "[parameters('name')]",
10      "siteConfig": {
11        "appSettings": [],
12        "linuxFxVersion": "[parameters('linuxFxVersion')]"
13      },
14      "serverFarmId": "[concat('/subscriptions/', parameters('subscriptionId'), '/resourcegroups/', parameters('serverFarmResourceGroup'), '/providers/Microsoft.Web/serverfarms/', parameters('hostingPlanName'))]",
15      "hostingEnvironment": "[parameters('hostingEnvironment')]"
16    },
17    "location": "[parameters('location')]",
18    "dependsOn": [
19      "[concat('Microsoft.Web/serverfarms/', parameters('hostingPlanName'))]"
20    ]
21  },
22  {
23    "apiVersion": "2016-09-01",
24    "name": "[parameters('hostingPlanName')]",
25    "type": "Microsoft.Web/serverfarms",
26    "location": "[parameters('location')]",
27    "properties": {
28      "name": "[parameters('hostingPlanName')]",
29      "workerSize0": "[parameters('workerSize')]",
30      "reserved": true,
31      "numberOfWorkers": "1",
32      "hostingEnvironment": "[parameters('hostingEnvironment')]"
33    },
34    "sku": {
35      "Tier": "[parameters('sku')]",
36      "Name": "[parameters('skuCode')]"
37    },
38    "kind": "Linux"
39  }
40 ],
41 "parameters": {
42   "name": {
43     "type": "string"
44   }
45 }
```

**Azure services** [See all \(+100\) >](#)



Virtual machines



Storage accounts



App Services



SQL databases



Azure Database for PostgreSQL



Azure Cosmos DB



Kubernetes services



Function Apps



Azure Databricks



Cognitive Services

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[Security Center >](#)



**Optimize** performance, reliability, security, and costs

[Azure Advisor >](#)



**Connect** to Azure via an authenticated browser-based shell

[Cloud Shell >](#)

**Recent resources** [See all your recent resources >](#) [See all your resources >](#)

NAME	TYPE	LAST VIEWED
devops-app	Resource group	Tue 3:04 PM

**Useful links**

[Get started or go deep with technical docs >](#)

Our articles include everything from quickstarts, samples, and tutorials to help you get started, to SDKs and architecture guides for designing applications.

[Discover Azure products >](#)

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[Learn more about staying connected on the go >](#)



Home > devops-app

**devops-app**  
Resource group

Search (Ctrl+F)

[+ Add](#)
[Edit columns](#)
[Delete resource group](#)
[Refresh](#)
[Move](#)
[Assign tags](#)
[Delete](#)

Subscription [\(change\)](#)      Subscription ID: f825790b-ac24-47a3-89b8-9b4b3974f0d5      Deployments: 1 Succeeded  
 Free Trial  
 Tags [\(change\)](#)  
[Click here to add tags](#)

2 items  Show hidden types

<input type="checkbox"/>	NAME	TYPE	LOCATION
<input type="checkbox"/>	<a href="#">devops-app</a>	App Service	Central US
<input type="checkbox"/>	<a href="#">ServicePlanbda14712-bf44</a>	App Service plan	Central US

**Overview**  
 Activity log  
 Access control (IAM)  
 Tags  
 Events  
**Settings**  
 Quickstart  
 Resource costs  
 Deployments  
 Policies  
 Properties  
 Locks  
 Automation script  
**Monitoring**  
 Insights (preview)  
 Alerts  
 Metrics  
 Diagnostic settings  
 Advisor recommendations  
**Support + troubleshooting**  
 New support request

Home > devops-app

## devops-app

App Service

Search (Ctrl+F)

[Browse](#)
[Stop](#)
[Swap](#)
[Restart](#)
[Delete](#)
[Get publish profile](#)
[Reset publish profile](#)

Resource group (change)  
 devops-app

Status  
 Running

Location  
 Central US

Subscription (change)  
 Free Trial

Subscription ID  
 f825790b-ac24-47a3-89b8-9b4b3974f0d5

Tags (change)  
[Click here to add tags](#)

URL  
<https://devops-app.azurewebsites.net>

App Service Plan  
 ServicePlanbda14712-bf44 (PremiumV2: 1 Small)

FTP/deployment username  
 No FTP/deployment user set

FTP hostname  
 ftp://waws-prod-dm1-129.ft.azurewebsites.windows.net

FTPS hostname  
 ftps://waws-prod-dm1-129.ft.azurewebsites.windows.net

---

**Diagnose and solve problems**

Our self-service diagnostic and troubleshooting experience helps you identify and resolve issues with your web app.

**App Service Advisor**

App Service Advisor provides insights for improving app experience on the App Service platform. Recommendations are sorted by freshness, priority and impact to your app.

---

**Http 5xx**

Http Server Errors (Sum)  
devops-app  
**0**

**Data In**

Data In (Sum)  
devops-app  
**3.93** kB

**Data Out**

Data Out (Sum)  
devops-app  
**4.08** kB

---

**Requests**

**Average Response Time**

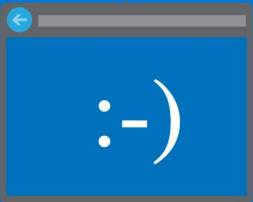
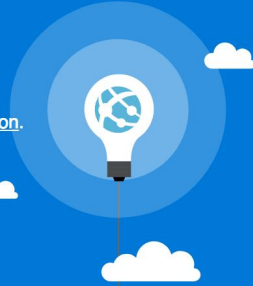
Microsoft Azure

# Your App Service app is up and running

Go to your app's [Quick Start](#) guide in the Azure portal to get started or read our [deployment documentation](#).

Tell us how App Services is working for you. Do you have any feedback or suggestions about your experience?

1000 characters left



Home > Resource groups

## Resource groups

Default Directory

Subscriptions: Free Trial

Filter by name... All locations All tags No grouping

1 of 1 items selected

<input checked="" type="checkbox"/>	NAME	SUBSCRIPTION	LOCATION	
<input checked="" type="checkbox"/>	devops-app	Free Trial	Central US	Delete resource group

Home > Resource groups > Are you sure you want to delete "devops-app"?

### Resource groups

Default Directory

+ Add Edit columns More

Filter by name...

NAME

- devops-app

### Are you sure you want to delete "devops-app"?

**Warning!** Deleting the "devops-app" resource group is irreversible. The action you're about to take can't be undone. Going further will delete this resource group and all the resources in it permanently.

TYPE THE RESOURCE GROUP NAME:

devops-app ✓

AFFECTED RESOURCES

There are 2 resources in this resource group that will be deleted.

NAME	TYPE	LOCATION
devops-app	App Service	Central US
ServicePlanbda14712-bf44	App Service plan	Central US

Delete Cancel

## You have no storage mounted

Azure Cloud Shell requires an Azure file share to persist files. [Learn more](#)  
 This will create a new storage account for you and this will incur a small monthly cost. [View pricing](#)

\* Subscription

Free Trial  [Show advanced settings](#)

Creating...



## Azure Cloud Shell

Bash



Your cloud drive has been created in:

```
Subscription Id: f825790b-ac24-47a3-89b8-9b4b3974f0d5
Resource group: cloud-shell-storage-eastus
Storage account: cs2f825790bac24x47a3x89b
File share:      cs-chloeleeq-gmail-com-10032000368da7b3
```

```
Initializing your account for Cloud Shell...\
Requesting a Cloud Shell.Succeeded.
Connecting terminal...
```

Welcome to Azure Cloud Shell

```
Type "az" to use Azure CLI 2.0
Type "help" to learn about Cloud Shell
```

```
chloe@Azure:~$ █
```

Home > Virtual networks > devops-vnet

### Virtual networks

Default Directory

+ Add Edit columns More

Filter by name...

NAME

- devops-vnet

---

### devops-vnet

Virtual network

Search (Ctrl+/)

Refresh Move Delete

Resource group [\(change\)](#) devops Address space 10.0.0/8

Location Central US DNS servers Azure provided DNS service

Subscription [\(change\)](#) Free Trial

Subscription ID f825790b-ac24-47a3-89b8-9b4b3974f0d5

Tags [\(change\)](#)  
[Click here to add tags](#)

---

#### Connected devices

Search connected devices

DEVICE	TYPE	IP ADDRESS
No results.		

---

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

Settings

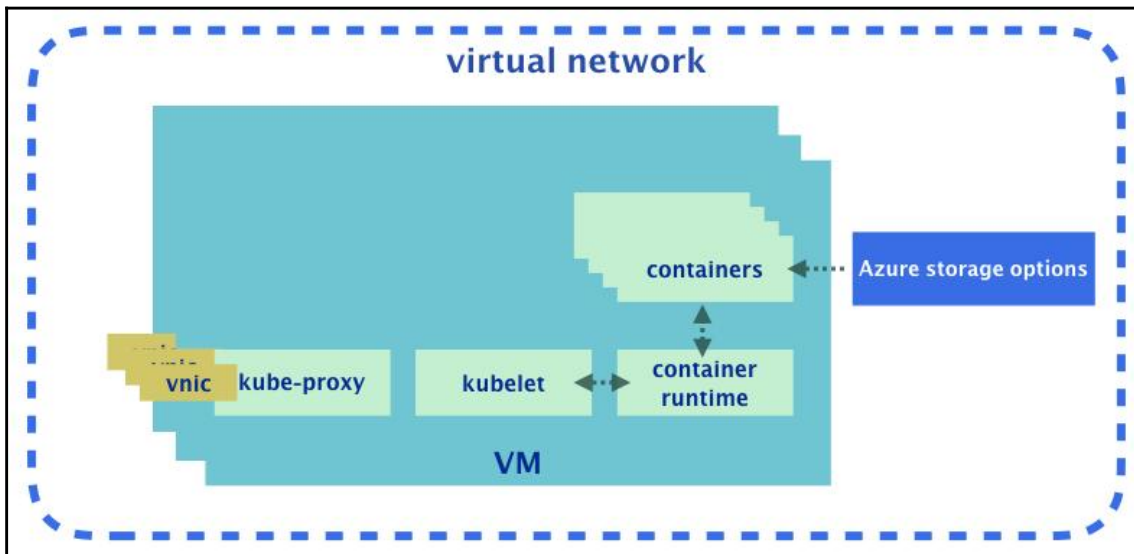
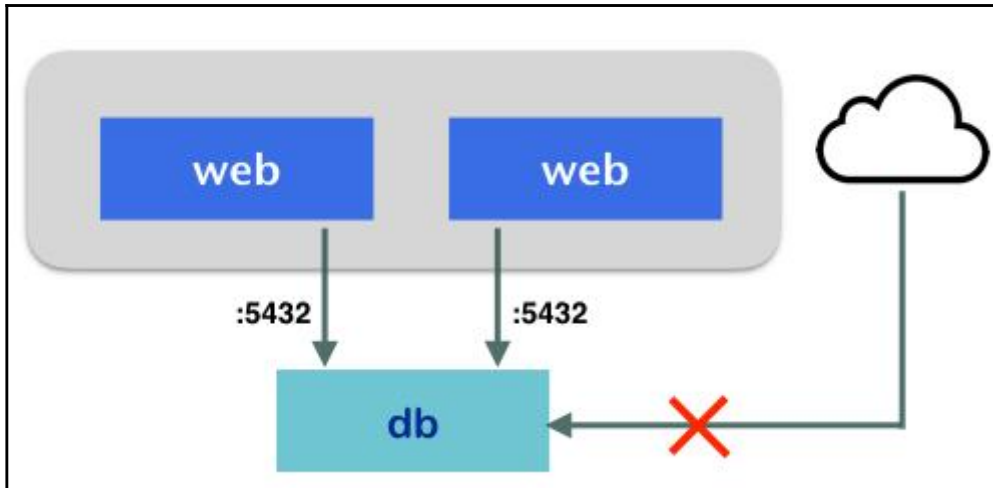
- Address space
- Connected devices
- Subnets
- DDoS protection
- Firewall
- DNS servers
- Peerings
- Service endpoints
- Properties
- Locks
- Automation script

Monitoring

- Connection monitor
- Diagram

Support + troubleshooting

- Connection troubleshoot
- New support request

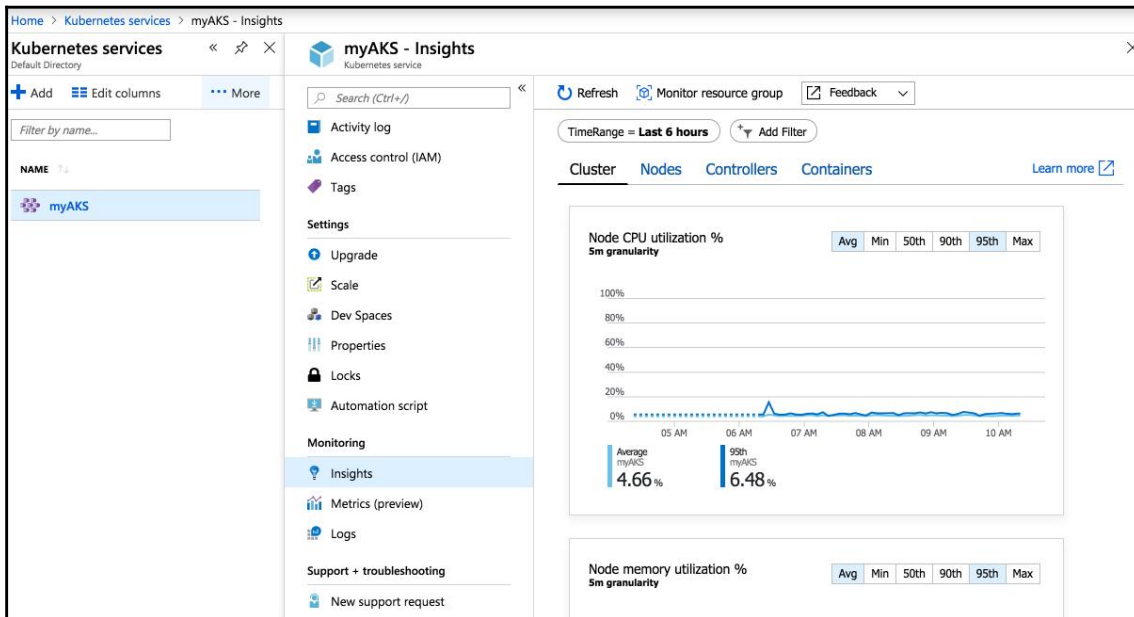


# Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](https://nginx.org). Commercial support is available at [nginx.com](https://nginx.com).

*Thank you for using nginx.*





Home > Kubernetes services > myAKS - Insights

### myAKS - Insights

Kubernetes service

Refresh Monitor resource group Feedback

TimeRange = Last 6 hours Add Filter

Cluster Nodes **Containers** Learn more

nginx Metric: CPU Usage (millicores) Min Avg 50th 90th 95th Max

3 of 26 items matching

NAME	ST...	95TH %	95TH	POD	NODE	REST...	UPTIME	TREND	95TH % (1 BAR = 15M)
addon-http-applicat...	O...	0.2%	3 mc	addon-http-...	aks-nodepo...	0	4 hours		
nginx	O...	0%	0.1 mc	nginx-1.12-...	aks-nodepo...	0	4 hours		
nginx	O...	0%	0.1 mc	nginx-1.12-...	aks-nodepo...	0	4 hours		

**addon-http-applica...**  
Container

[View container live logs \(preview\)](#)  
[View container logs](#)

Container Name  
addon-http-application-routing-nginx-ingress-controller

Container ID  
318c84aa057096c535cf9d7635be578d65a6e43c06934d569081ae06180d2039

Container Status  
running

Image  
kubernetes-ingress-controller/nginx-ingress-controller

Image Tag  
0.19.0

Container Creation Time Stamp  
1/9/2019, 6:14:24 AM

Start Time  
1/9/2019, 6:14:24 AM

### myAKS - Metrics (preview)

Kubernetes service

Search (Ctrl+F) Add chart Refresh Export to Excel Classic explorer

Last 24 hours (Automatic - 1 minute)

Sum Total amount of available memory in a managed cluster

Add metric Add filter Apply splitting Line chart New alert rule Pin to dashboard

RESOURCE	METRIC NAMESPACE	METRIC	AGGREGATION
myAKS	Container service (...)	Total amount of av...	Sum

- Number of pods by phase
- Number of pods in Ready state
- Total amount of available memory in a managed c...
- Total number of available cpu cores in a managed...

Total amount of available memory in a managed cluster (Sum)  
myAKS: 2.8 TB

Home > Kubernetes services > myAKS - Logs

### myAKS - Logs

Kubernetes service

Search (Ctrl+F)

Activity log

Access control (IAM)

Tags

Settings

- Upgrade
- Scale
- Dev Spaces
- Properties
- Locks
- Automation script

Monitoring

- Insights
- Metrics (preview)
- Logs**

Support + troubleshooting

---

New Query 1\* +

defaultworkspace-f825790b-ac24-... Run Time range: Set in query Save Copy link

Schema **Filter (preview)**

Filter by name...

Showing top 10 values for each facet

- ClusterId (1)
  - /subscriptions/f825790b-a... (6500)
- Computer (2)
  - aks-nodepool1-37748545-1 (3501)
  - aks-nodepool1-37748545-0 (2999)
- ContainerStartTime (1)
  - (empty) (6500)
- ContainerStatus (1)
  - running (6500)
- ControllerKind (2)
  - ReplicaSet (4492)

```

let startTimestamp = ago(1d);
KubePodInventory
| where TimeGenerated > startTimestamp
| where ClusterName =~ "myAKS"
| distinct ContainerID
| join
  {
    ContainerLog
  }
  Completed
  
```

TABLE CHART Columns

Drag a column header and drop it here to group by that column

LogEntrySource	LogEntry	TimeGenerated
stdout	10.240.0.4 - - [09/Jan/2019:15:08:11 +0000] "GET / HTTP/1.1" 200 6...	2019-01-09T15:0...
LogEntrySource	stdout	
LogEntry	10.240.0.4 - - [09/Jan/2019:15:08:11 +0000] "GET / HTTP/1.1" 200 612 "-" "Mo	
TimeGenerated [UTC]	2019-01-09T15:08:11.136Z	
Computer	aks-nodepool1-37748545-1	
Image	nginx:1.12.0	

Page 1 of 1 50 items per page

Dashboard > Default Directory - Properties

### Default Directory - Properties

Azure Active Directory

Search (Ctrl+/) << Save Discard

- Users
- Groups
- Organizational relationships
- Roles and administrators
- Enterprise applications
- Devices
- App registrations
- App registrations (Preview)
- Application proxy
- Licenses
- Azure AD Connect
- Custom domain names
- Mobility (MDM and MAM)
- Password reset
- Company branding
- User settings
- Properties**
- Notifications settings

#### Directory properties

\* Name  
Default Directory

Country or region  
Canada

Location  
United States datacenters

Notification language  
English

Directory ID  
d41d3fd1-f004-45cf-a77b-09a532556331

Technical contact  
chloeleeq@gmail.com

Global privacy contact

Privacy statement URL

#### Access management for Azure resources

Chloe Lee (chloeleeq@gmail.com) can manage access to all Azure subscriptions and management groups in this directory. [Learn more](#)

Yes No

Dashboard > Default Directory - App registrations

## Default Directory - App registrations

Azure Active Directory

Search (Ctrl+/)

+ New application registration   Endpoints   Troubleshoot

The preview experience for App registrations is available. Click this banner to launch the preview experience. →

Search by name or AppID   My apps

DISPLAY NAME	APPLICATION TYPE	APPLICATION ID
You're not the owner of any applications in this directory.		
<a href="#">View all applications</a>		

**Manage**

- Overview
- Getting started
- Users
- Groups
- Organizational relationships
- Roles and administrators
- Enterprise applications
- Devices
- App registrations**
- App registrations (Preview)
- Application proxy
- Licenses
- Azure AD Connect
- Custom domain names
- Mobility (MDM and MAM)
- Password reset
- Company branding
- User settings

Dashboard > Default Directory - App registrations > myAKSAD > Edit manifest

**myAKSAD**  
Registered app

Settings Manifest Delete

Display name: myAKSAD  
Application ID: c7d828e7-bca0-4771-8f9d-50b9e1ea0afc  
Application type: Web app / API  
Object ID: 152c14e3-3964-4c91-aedf-fa4b98e2ad6b  
Home page: http://myAKSAD  
Managed application in local directory: myAKSAD

Save Discard Edit Upload Download

```

1
2 "appId": "c7d828e7-bca0-4771-8f9d-50b9e1ea0afc",
3 "appRoles": [],
4 "availableToOtherTenants": false,
5 "displayName": "myAKSAD",
6 "errorUrl": null,
7 "groupMembershipClaims": null,
8 "optionalClaims": null,
9 "acceptMappedClaims": null,
10 "homepage": "http://myAKSAD",
11 "informationalUrls": {
12   "privacy": null,
13   "termsOfService": null
14 },
15 "identifierUris": [
16   "https://chloeleeqgmail.onmicrosoft.com/9732b962-71ad-4dae-b762-4cbfa
17 ],
18 "keyCredentials": [],
19 "knownClientApplications": [],
20 "logoutUrl": null,
21 "oauth2AllowImplicitFlow": false,
22 "oauth2AllowUrlPathMatching": false,
23 "oauth2Permissions": [
24   {
25     "adminConsentDescription": "Allow the application to access myAKSAD",
26     "adminConsentDisplayName": "Access myAKSAD",
27     "id": "6c675300-a780-4cbd-b464-6fa449ea45eb",
28     "isEnabled": true,
29     "type": "User",
30     "userConsentDescription": "Allow the application to access myAKSAD",
31     "userConsentDisplayName": "Access myAKSAD",
32     "value": "user_impersonation"
33   }

```

Settings

Filter settings

GENERAL

- Properties
- Reply URLs
- Owners

API ACCESS

- Required permissions
- Keys**

TROUBLESHOOTING + SUPPORT

- Troubleshoot
- New support request

Keys

Save Discard Upload Public Key

Copy the key value. You won't be able to retrieve after you leave this blade.

DESCRIPTION	EXPIRES	VALUE
AKSAD	1/9/2020	A/lqLPieuCqzLz9vPEI5lqCn0laEyn5ZaQ/gfovNn9g=

Key description Duration Value will be displayed on save

Public Keys


THUMBPRINT	START DATE	EXPIRES
No results.		

---

## Required permissions



 Add

 Grant permissions

Do you want to grant the permissions below for myAKSAD for all accounts in current directory? This action will update any existing permissions this application already has to match what is listed below.

Yes

No

## Create



\* Name ⓘ

myAKSADClient ✓

Application type ⓘ

Native ▾

\* Redirect URI ⓘ

http://myAKSADClient ✓

Create

Dashboard > Default Directory - App registrations > myAKSADClient > Settings > Required permissions > Add API access > Enable Access

APPLICATION PERMI...	DELEGATED PERMIS...
0	1

### Add API access

- Select an API  
myAKSAD ✓
- Select permissions  
0 role, 1 scope >

Done

### Enable Access


DELEGATED PERMISSIONS ⌵  REQUIRES ADMIN ⌵

Access myAKSAD ⊘ No

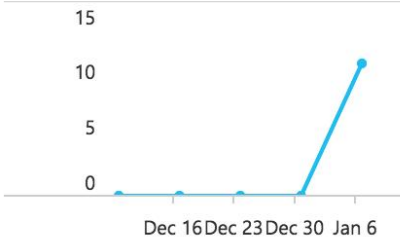
Select

# Chloe Lee

gmail.com



#### User Sign-ins



#### Group memberships

0

---

### Identity [edit](#)

Name	First name	Last name
Chloe Lee	Chloe	Lee
User name	User type	
chloeleeq@gmail.com	Member	
Object ID	Source	
8698dcf8-4d97-43be-aacd-...	Microsoft Account	



---

# Device Login

Enter the code that you received from the application on your device

## myAKSADClient

Click Cancel if this isn't the application you were trying to sign in to on your device.

**Continue**

Cancel