

Road to Cloud Native



I GEAR GEEK

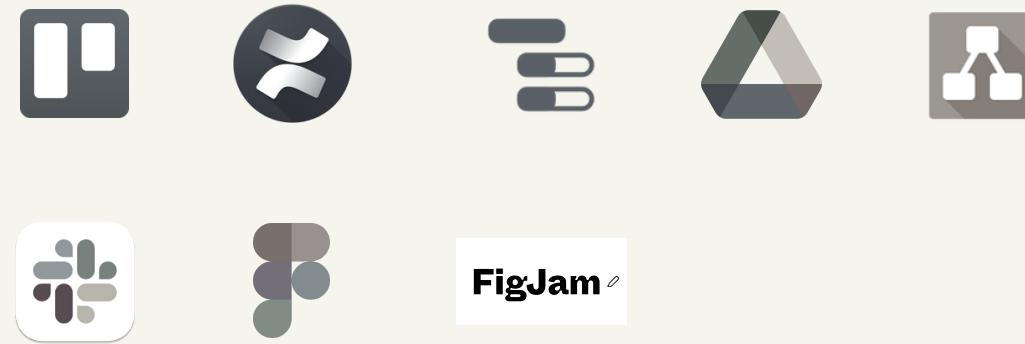
Banyawat Kaewsamer (Tew)

CTO of I GEAR GEEK

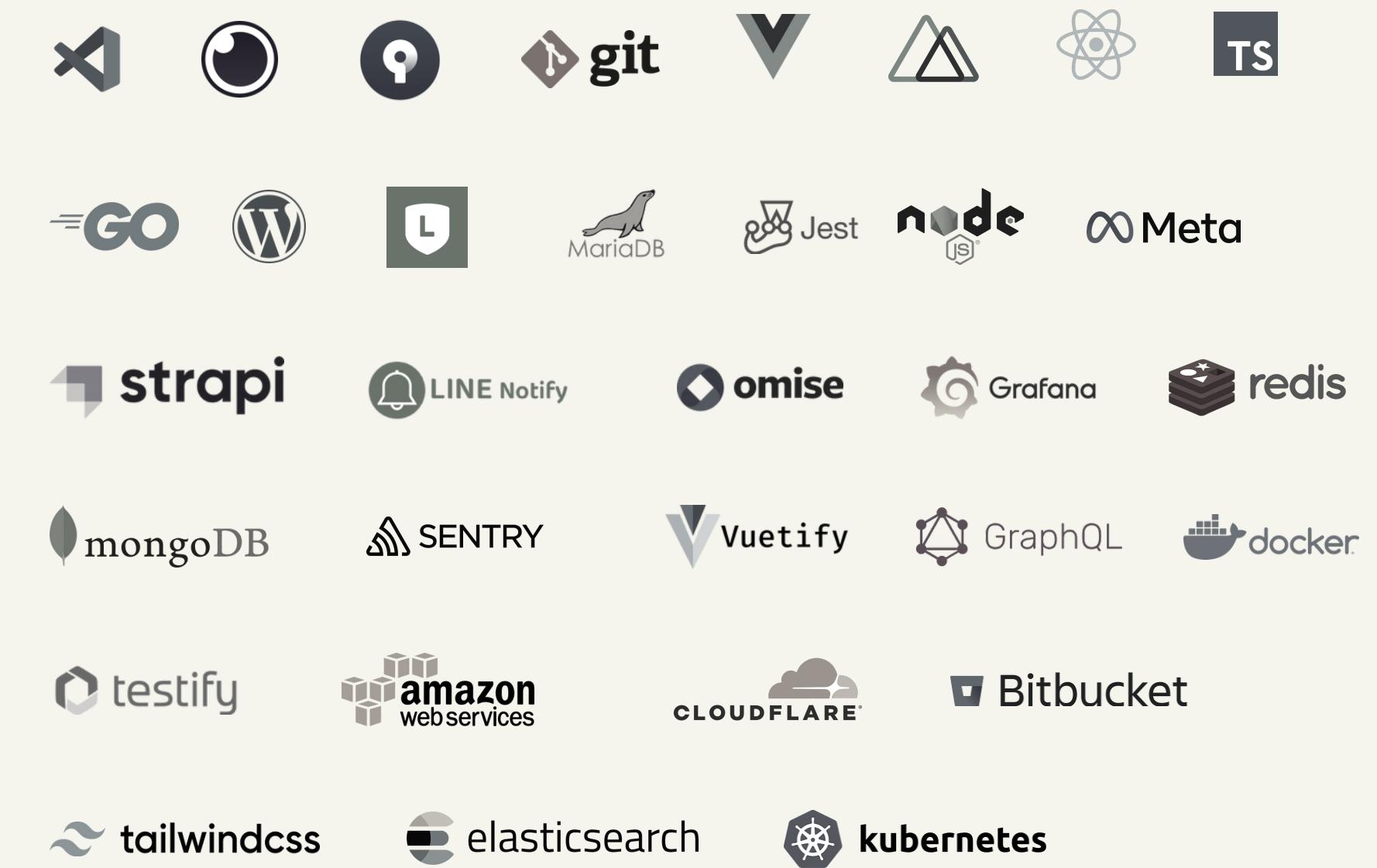


TECHNOLOGY STACK

SOFTWARE MANAGEMENT TOOLS



SOFTWARE STACK



SERVICE



WEB APPLICATION

เราพัฒนา Web Application เพื่อให้ตอบโจทย์สิ่งที่ลูกค้าต้องการ โดยนำเอาเทคโนโลยีและเทคโนโลยีใหม่ๆ มาหลอมรวมกับตัวงานอย่างลงตัว



MOBILE APPLICATION

เราพัฒนา Mobile Application กับระบบ iOS และ Android เพื่อให้ตอบสนองกับสิ่งที่ลูกค้าต้องการมากที่สุด



LINE CUSTOMIZATION

เพิ่มความสามารถให้กับ LINE Official Account เพื่อนำเสนอโซลูชันใหม่ ๆ ที่เหมาะสมให้กับธุรกิจของคุณ



WEB TEMPLATE

เว็บไซต์สำเร็จรูปรองรับ SEO 100% สำหรับธุรกิจ องค์กร ที่เราพัฒนามาจากพื้นฐานความเชี่ยวชาญของทีมงานมืออาชีพ



TECHNICAL CONSULTANT

เราสามารถให้คำแนะนำทางด้านเทคโนโลยีเพื่อช่วยตอบรับกับปัญหาที่ลูกค้ามีความสนใจอย่างแท้จริง

All About Deploy and Deploy!

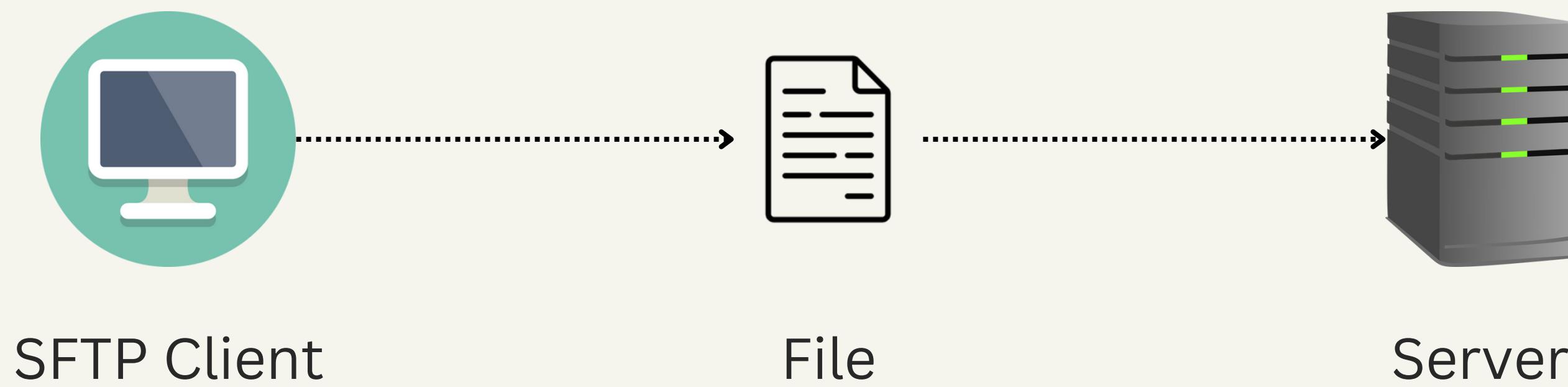
PHP Era



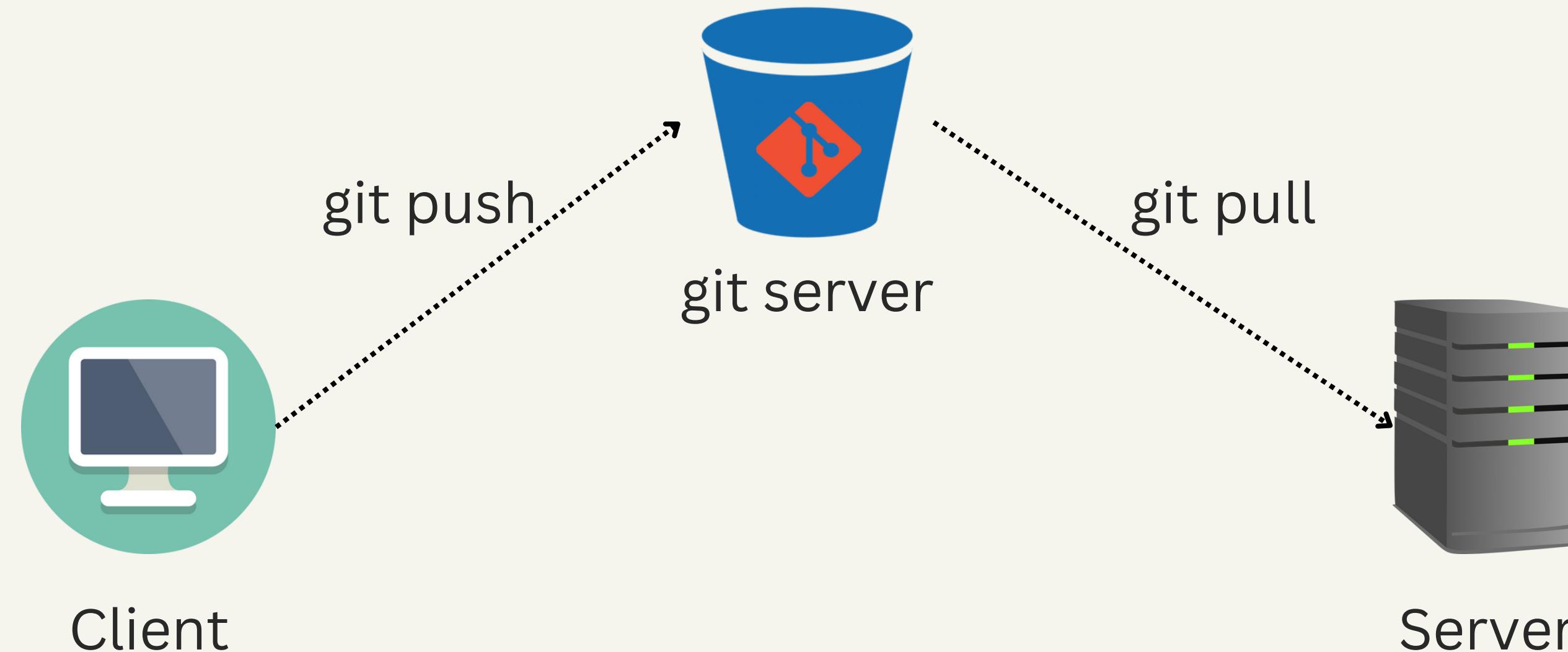
PHP Era



PHP Era - FTP



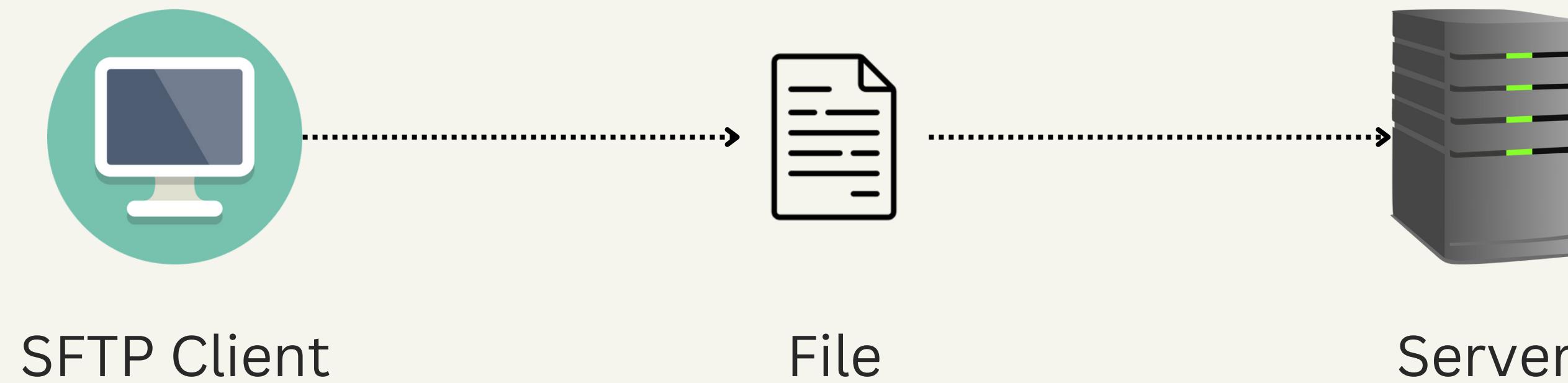
PHP Era - Git versioning



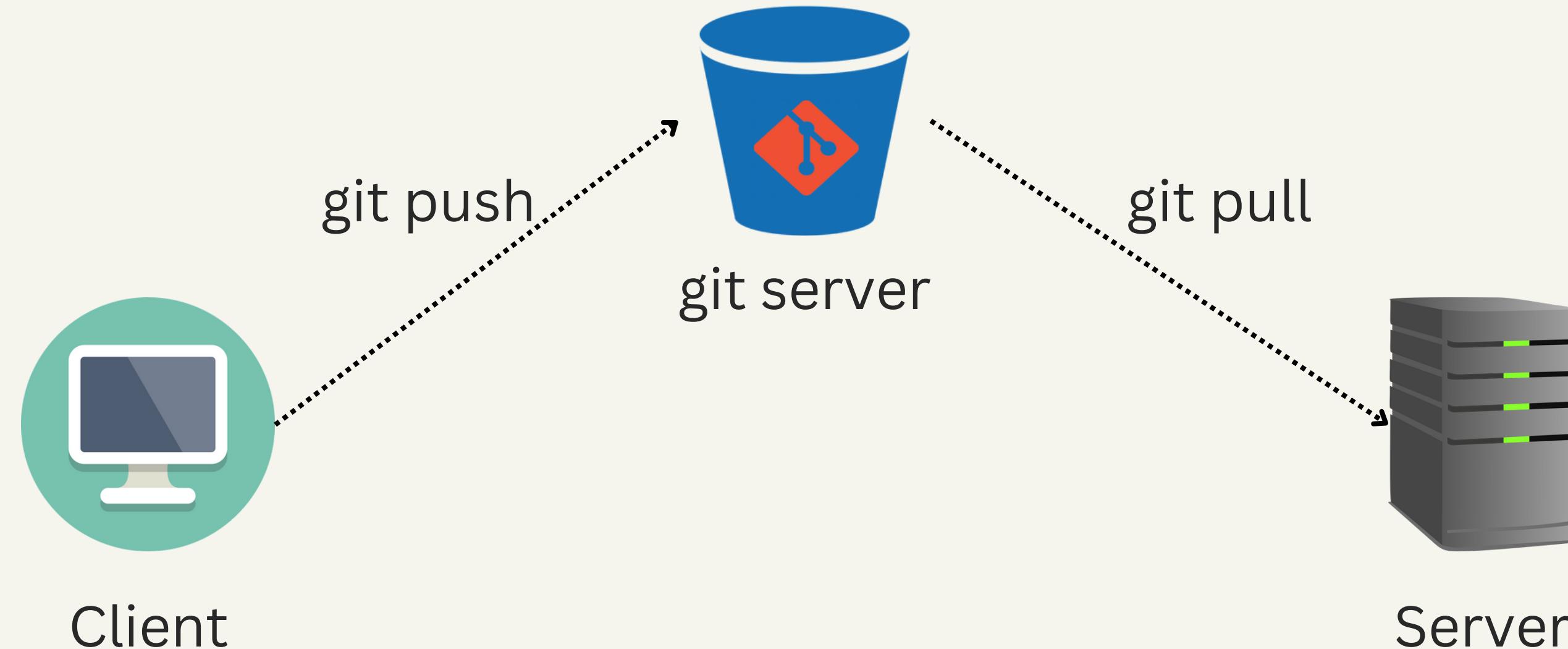
Node.js Era



Node.js Era - FTP



Node.js Era - Git Version

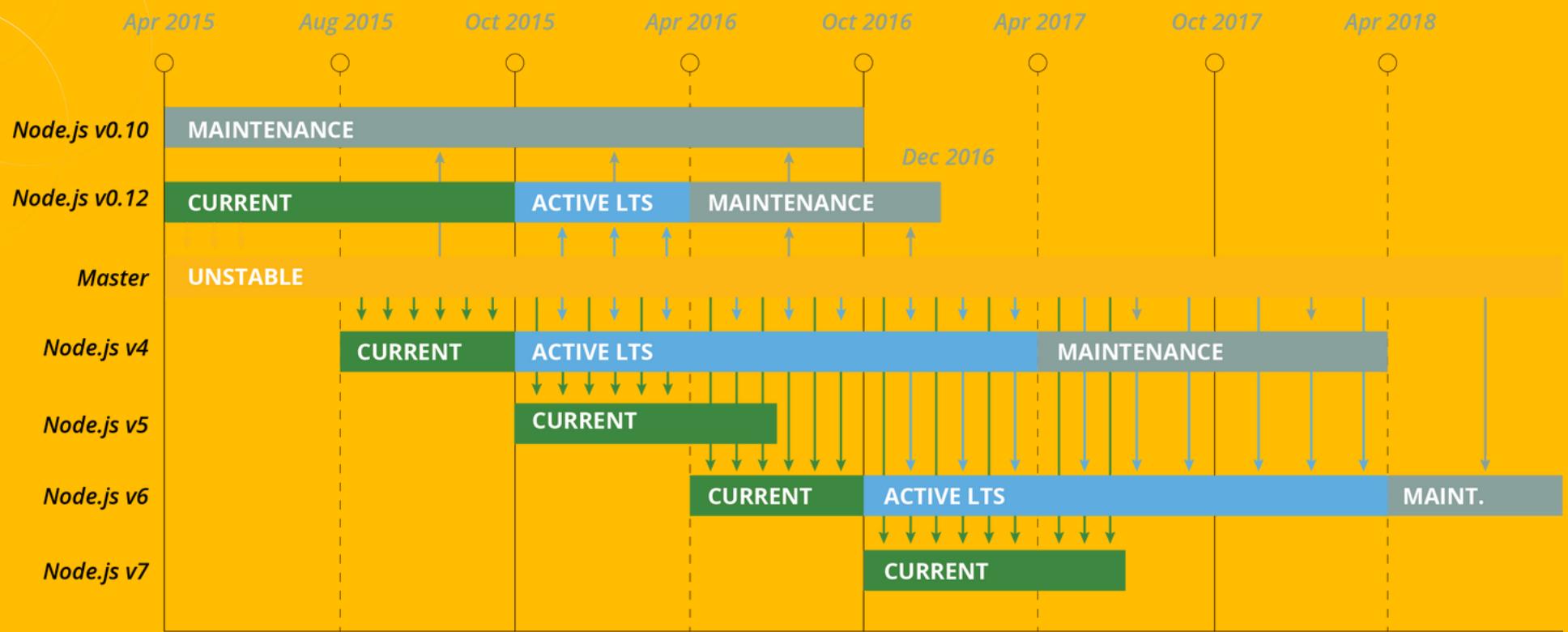


Node.js Era



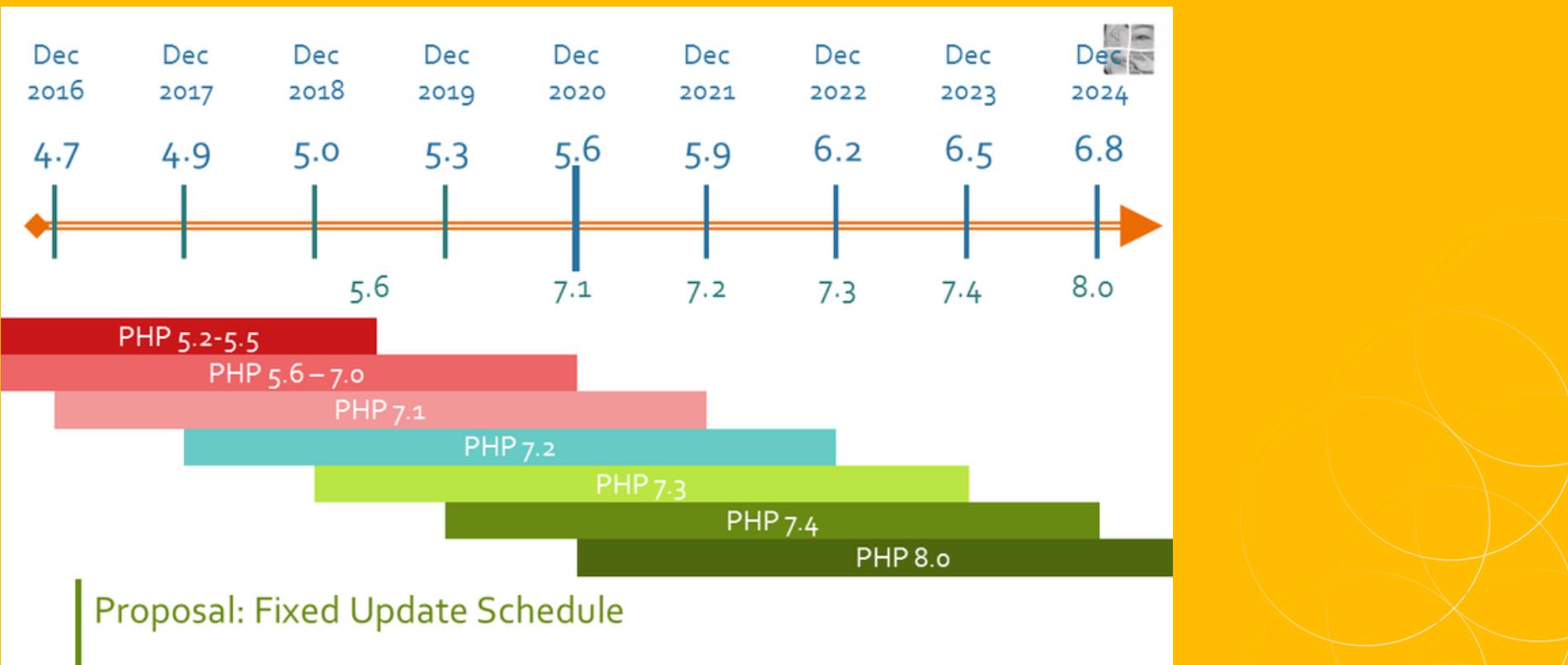
Failover occurrences of Old-School Deployment

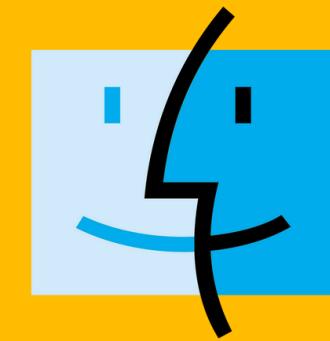
Node.js Long Term Support Release Schedule



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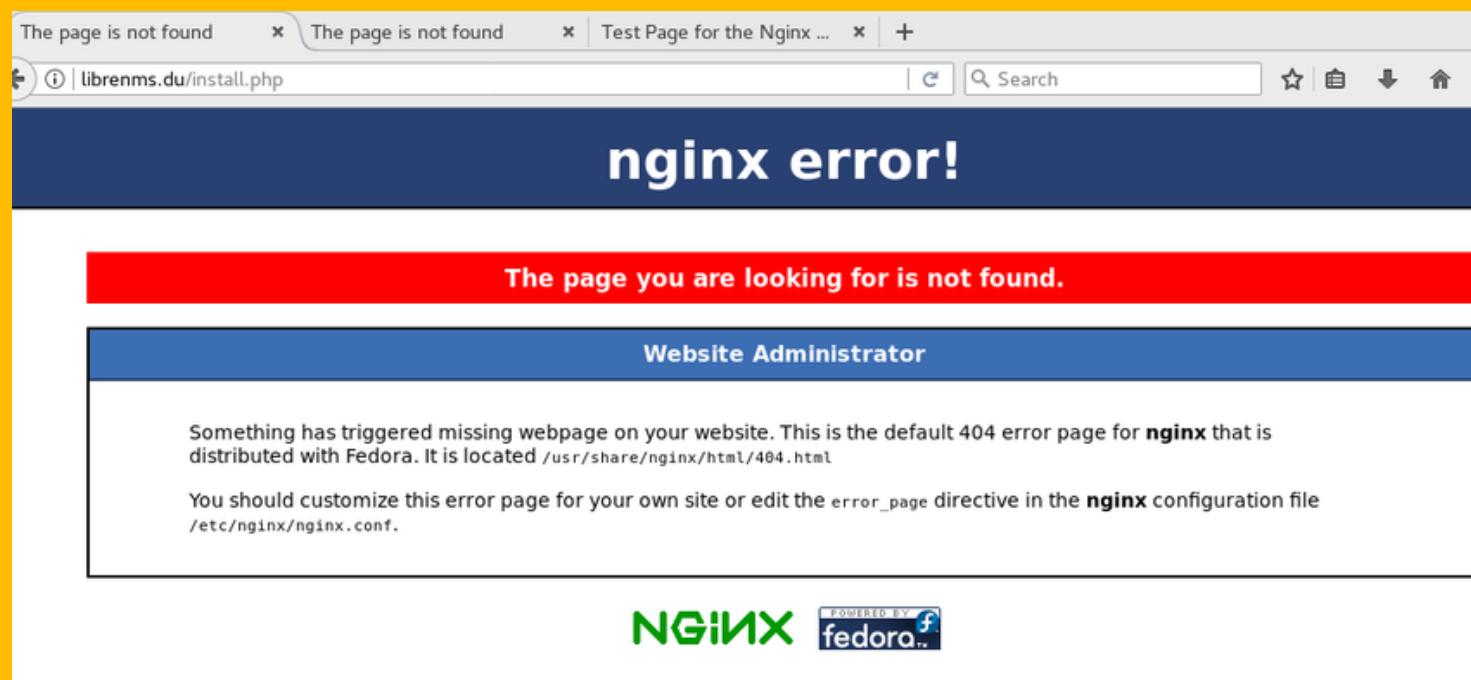
Versioning



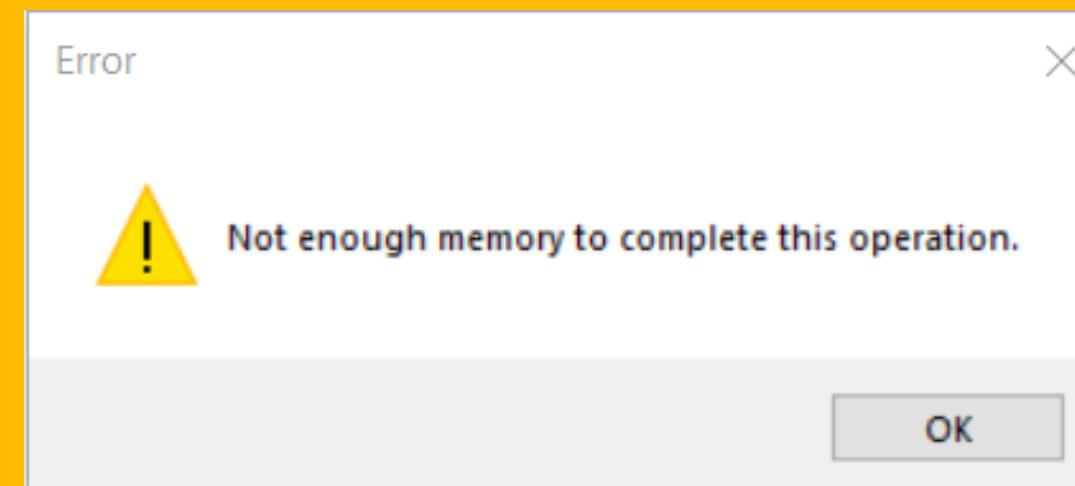


MacTM OS

OS

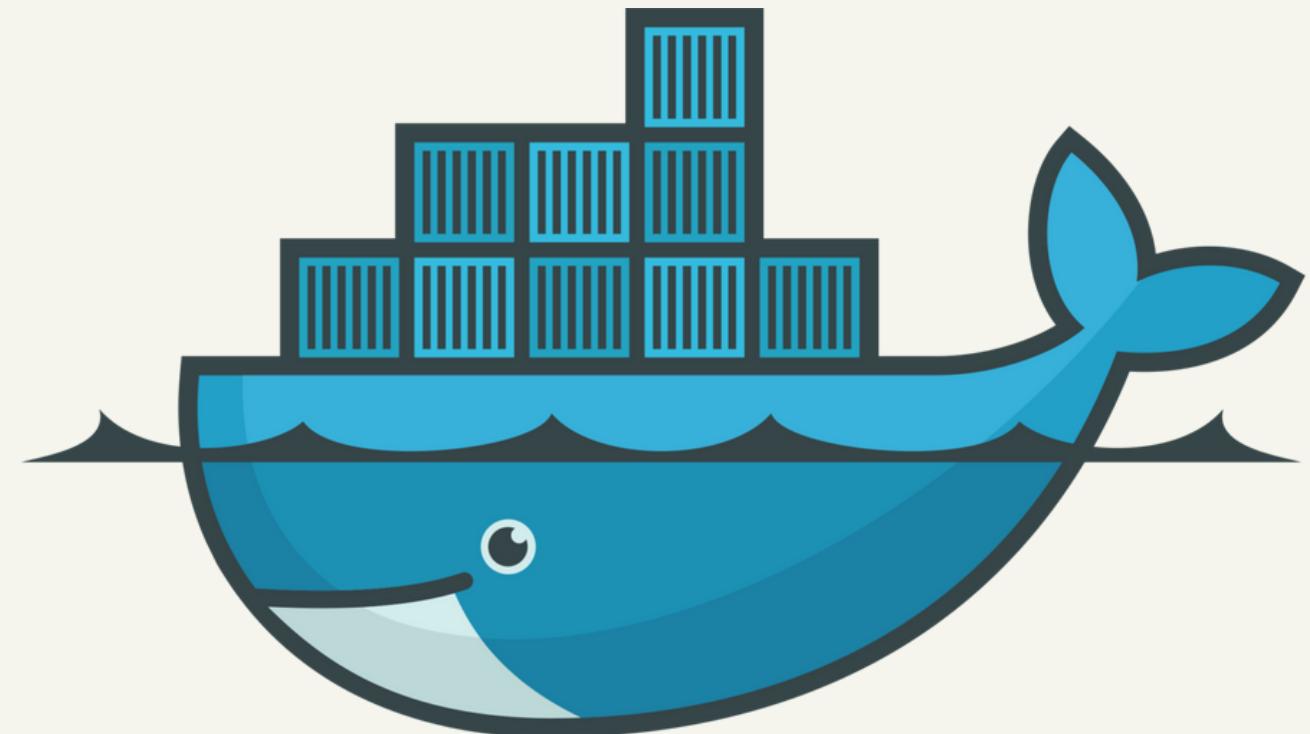


Gateway Misconfiguration



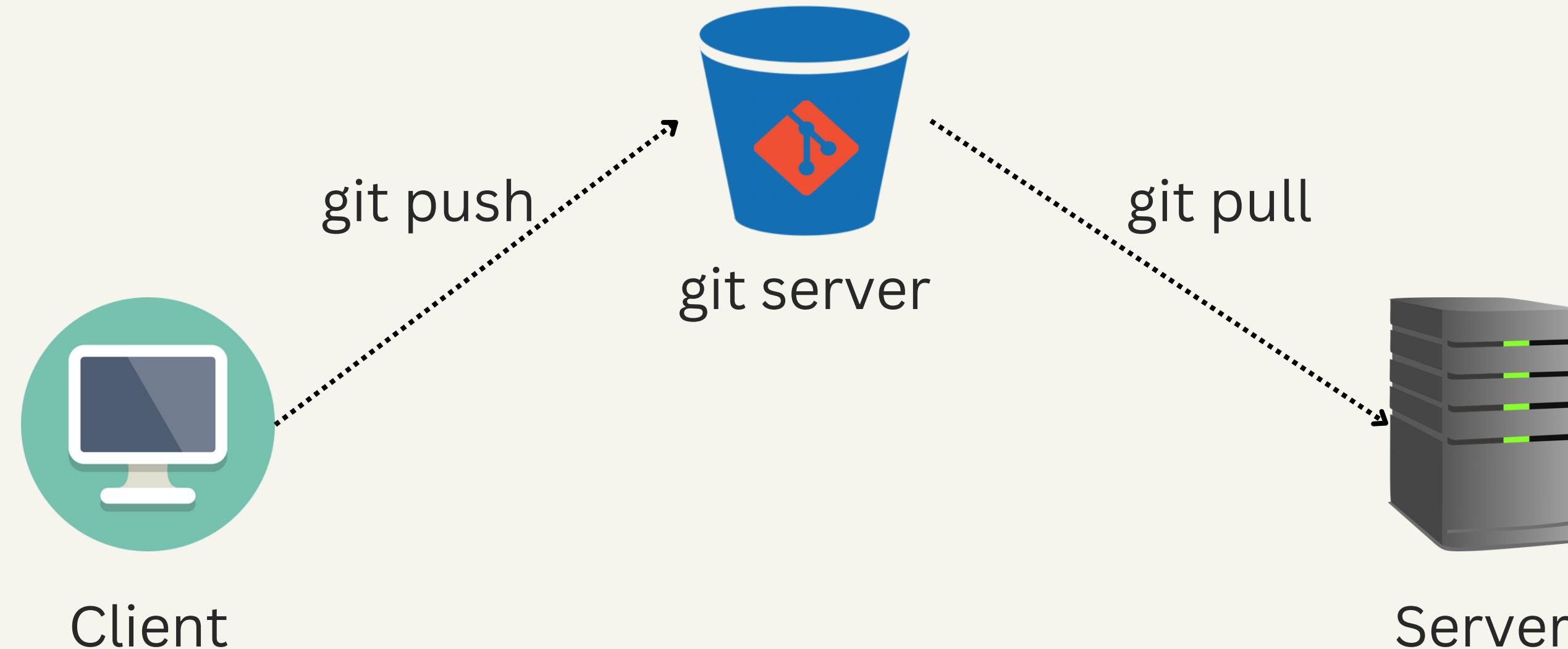
Another Server Disaster

Docker Era



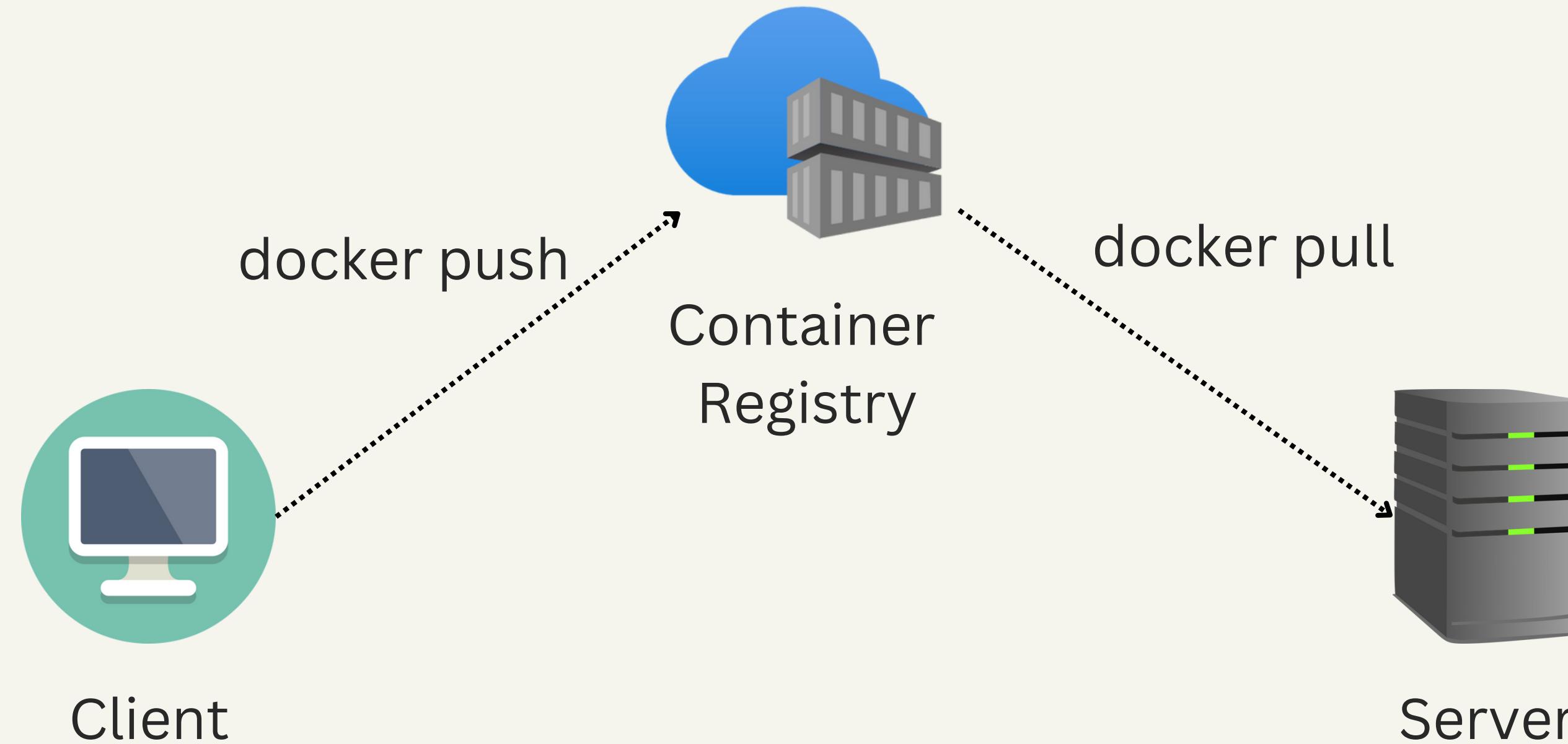
docker

Docker Era

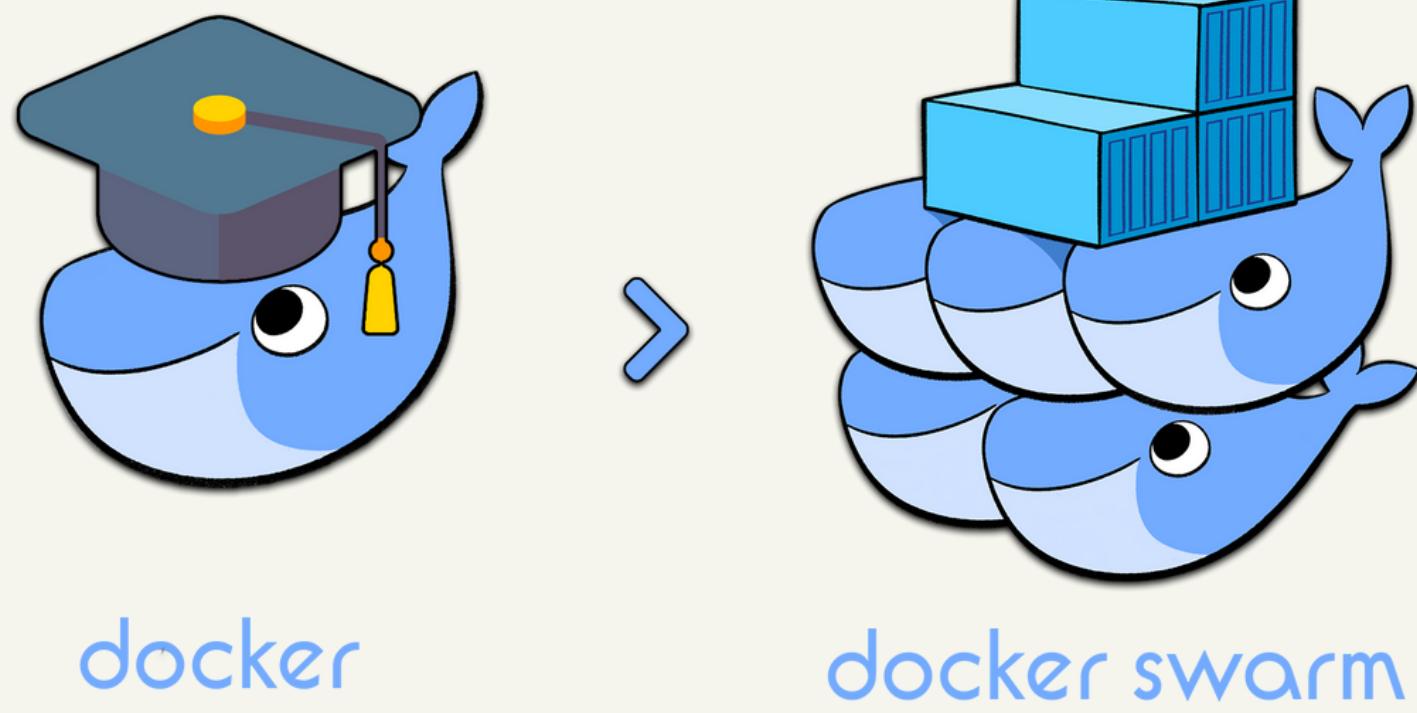




Docker Era



Docker Era



Docker Era

The screenshot shows the Portainer.io web interface. On the left is a dark sidebar with a navigation menu:

- Home (selected)
- Dashboard
- App Templates
- Stacks
- Services
- Containers
- Images
- Networks
- Volumes
- Configs
- Secrets
- Swarm
- SETTINGS
- Users
- Endpoints
- Registries
- Settings

At the bottom of the sidebar, it says "portainer.io 1.19.1".

The main content area has a header "Home" with a refresh icon and "Endpoints". In the top right corner, there are links for "Portainer support", "shine", "my account", and "log out".

The main content is divided into sections:

- Information:** Welcome message: "Welcome to Portainer ! Click on any endpoint in the list below to access management features."
- Endpoints:** A search bar labeled "Search by name, group, tag...".
- Summary:** Shows a summary for the "primary" endpoint:
 - Icon: Docker ship
 - Status: up (green)
 - Created: 2018-09-14 16:08:01
 - Group: Unassigned
 - Metrics: 1 stacks, 2 services, 4 containers (4 healthy, 0 unhealthy), 5 volumes, 6 images
 - System: Swarm 18.06.1-ce + Agent
 - Storage: 4.1 GB
 - Tags: No tags

Docker Swarm Limitation

Kubernetes Era



kubernetes



KONTENA

Cluster
Nodes
Workloads
Overview
Pods
Deployments
DaemonSets
StatefulSets
ReplicaSets
Jobs
CronJobs
Configuration
Network
Storage
Namespaces
Events
Access Control

Overview Pods Deployments

Pods 30 items

Name	Namespace	Containers
aws-node-hpz7f	kube-system	1
aws-node-r9rgs	kube-system	1
calico-node-rwf4g	kube-system	1
calico-node-x8s1r	kube-system	1
calico-typa-78b876fc47-sw5...	kube-system	1
calico-typa-horizontal-autos...	kube-system	1
cert-manager-789598c8d7-rl4...	kube-system	1
coredns-5b7d965bf9-8ttz2	kube-system	1
coredns-5b7d965bf9-rpq5q	kube-system	1
dashboard-758bd48745-qpsft	kontena-lens	2
helm-api-0	kontena-lens	1
k8s-resource-applier-6d58457...	kontena-lens	1
kube-proxy-svn6b	kube-system	1
kube-proxy-v9x5g	kube-system	1
kube-state-metrics-76ffbc879...	kontena-stats	1
license-enforcer-5799c9c94c...	kontena-lens	1
mariadb-1568285718-master-0	jakolehm	1
mariadb-1568285718-slave-0	jakolehm	1
metrics-server-6bd546f4cd-n...	kube-system	1

Pod: calico-node-rwf4g

CPU Memory Network Filesystem

0.100

16:45 16:55 17:05 17:15 17:25 17:35 17:45

Usage Requests

Created 27d 5h 55m ago (2019-08-21T08:50:15Z)

Namespace kube-system

Status Running

Node ip-192-168-81-7.eu-north-1.compute.internal

Pod IP 192.168.81.7

Priority Class -

QoS Class Burstable

Labels controller-revision-hash: 5c9dddcc74 k8s-app: calico-node
pod-template-generation: 1

Annotations scheduler.alpha.kubernetes.io/critical-pod:

Conditions Initialized Ready ContainersReady PodScheduled

Controlled By DaemonSet calico-node

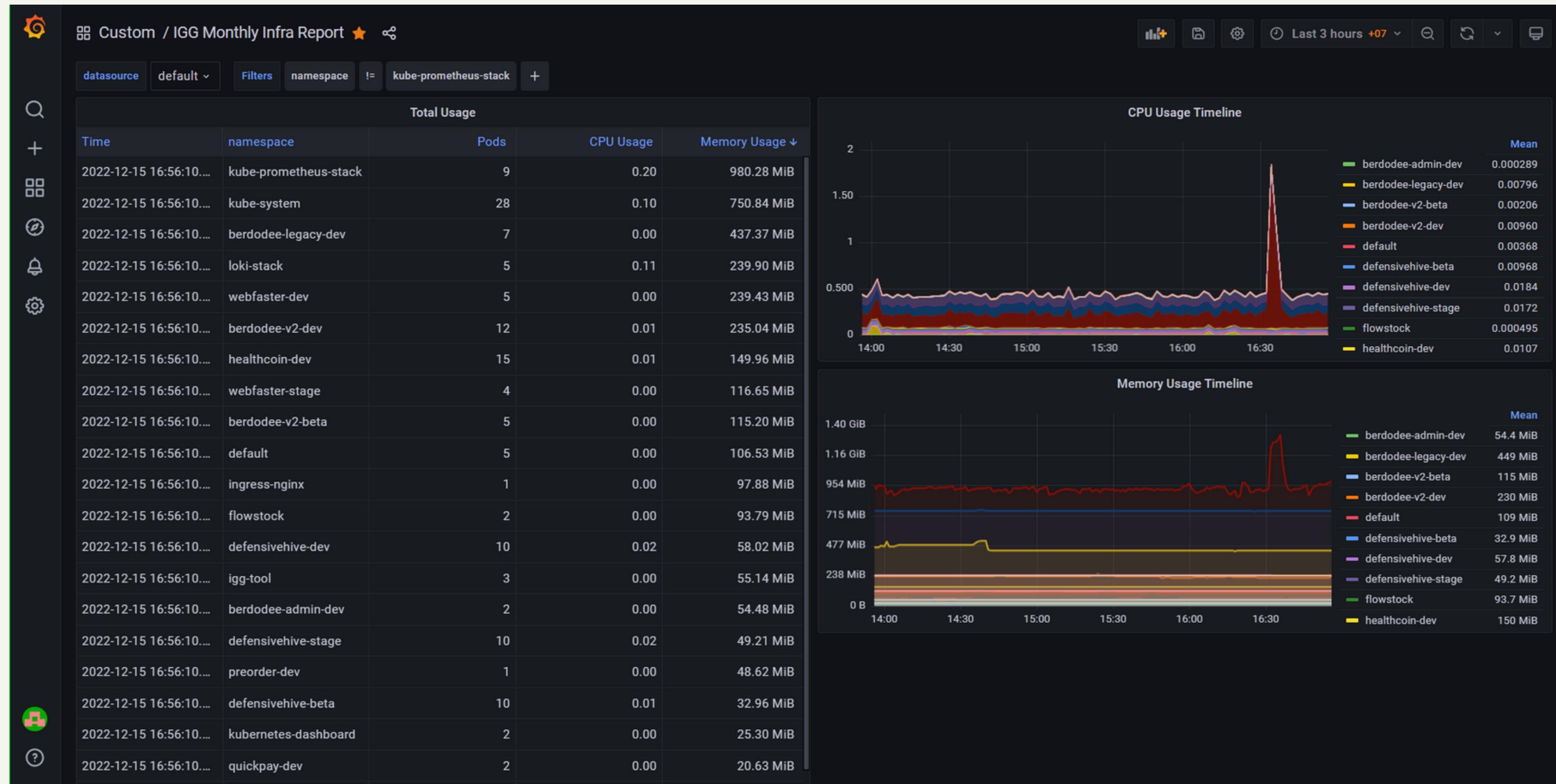
Tolerations 9

Affinities 1

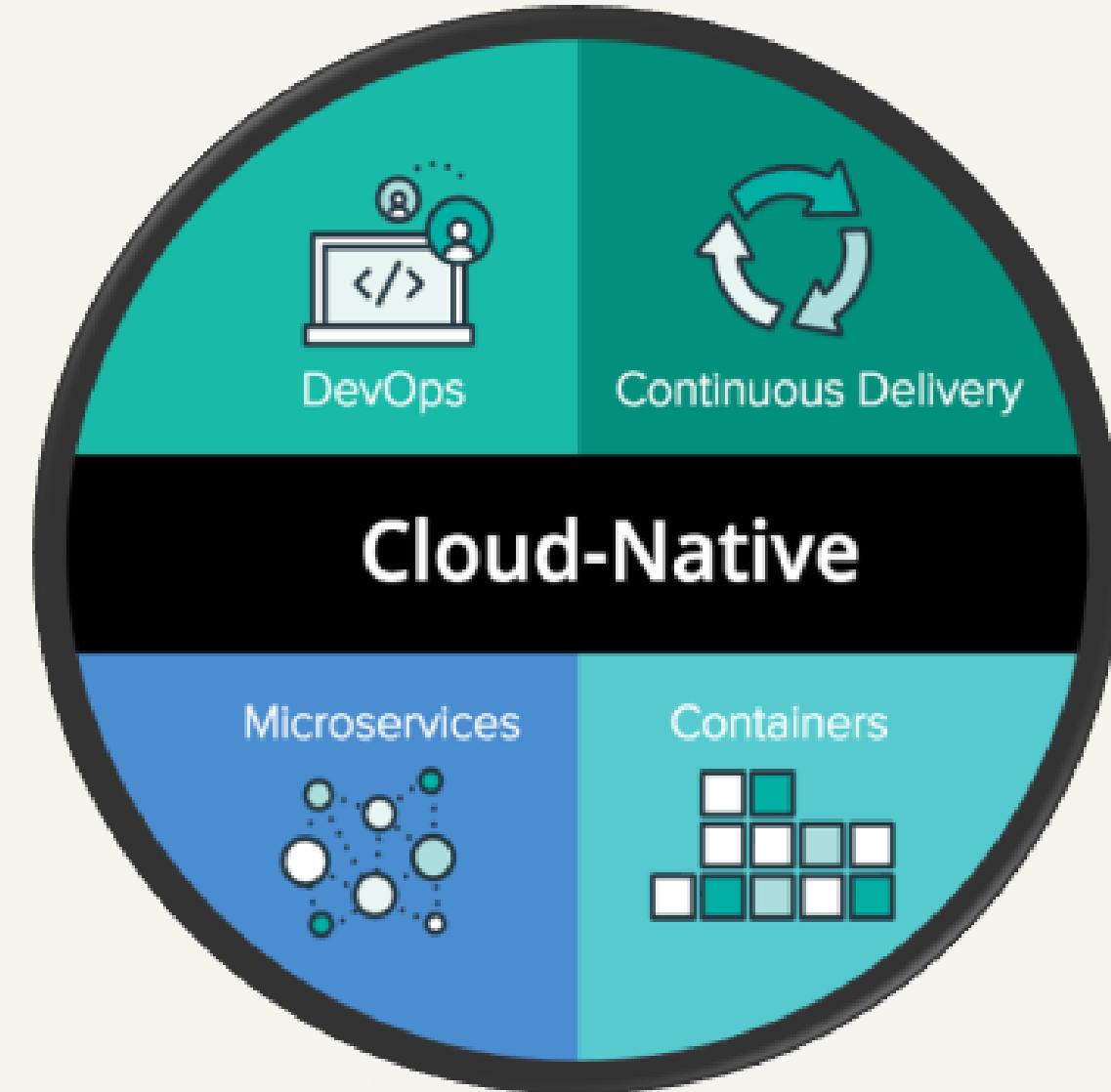
Secrets calico-node-token-8dnkm

Terminal





Kubernetes Era



The right tool for the job





I GEAR GEEK

PROBLEM SOLVING WITH TECHNOLOGY AND CREATIVITY