

FRS DELIVERY PLATFORM



DNS, endpoint protection



Basic infrastructure
(vpcs, albs, vpns, etc.)



Amazon
Lambda



amazon
SQS



amazon
DynamoDB



Amazon **Aurora**
MySQL



Terraform



& Terragrunt



RANCHER

K8s Cluster creation
and maintenance



kubernetes



Amazon
EC2



Istio
Service mesh



GitLab

- Deployment configuration
- App configuration
(x environment and tennant)



Application Deployment and
configuration

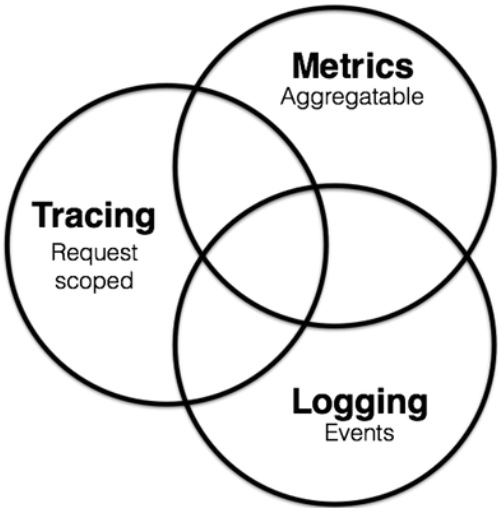


Amazon ECR

MONITORING & OBSERVABILITY

Site24x7

Infrastructure monitoring
(only kubernetes liveness)



Metrics

 Prometheus

 Grafana

 Thanos

 Amazon S3

Application and K8s metrics & alarms
Strategy: Aggregation and S3 storage



Logs

 elastic

 kibana

 Amazon S3

Alarms

 + 

Alert manager

Application logs
Strategy: keep them controlled and S3 storage

Traces

 JAEGER

 kiali

 Amazon S3

Application Traces
Strategy: sampling, on demand and S3 storage

Except from Rancher that is an EC2 outside Kubernetes, all the other tools run inside the cluster

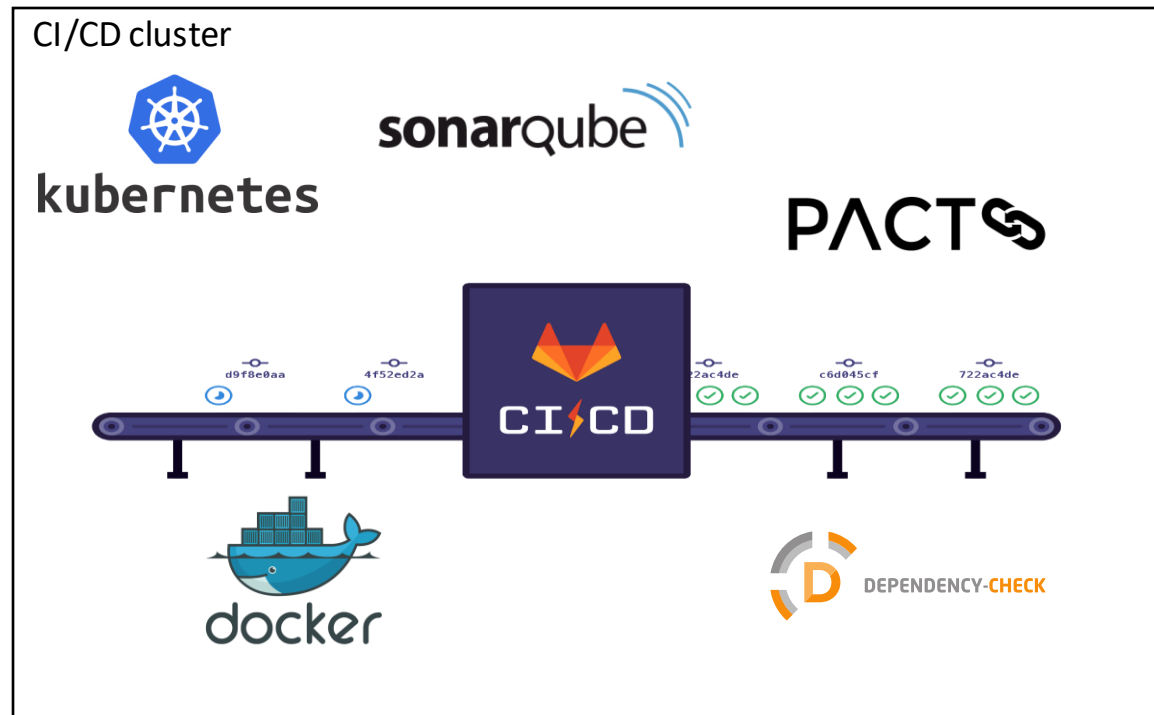
CI/CD PIPELINE AUTOMATION

GOALS

- Full Automation (including building and deploying phases, to all environments)
- Increase delivery agility (reduction of TTM)
- Docker file (includes all build dependencies)
- Trunk based approach
- Currently still with manual approval



- Application Code
- Jenkins pipeline definition
- Docker file (includes all build dependencies)
- k8s deployment configuration
- Application configuration x environment & tenant



Amazon ECR

DEVELOPER STACK



IDE: IntelliJ IDEA Ultimate

flexWays backend services



Backoffice frontend



Booking Website frontend



Booking Website backend services

