Autoscaling a Docker Swarm Cluster

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Motivation







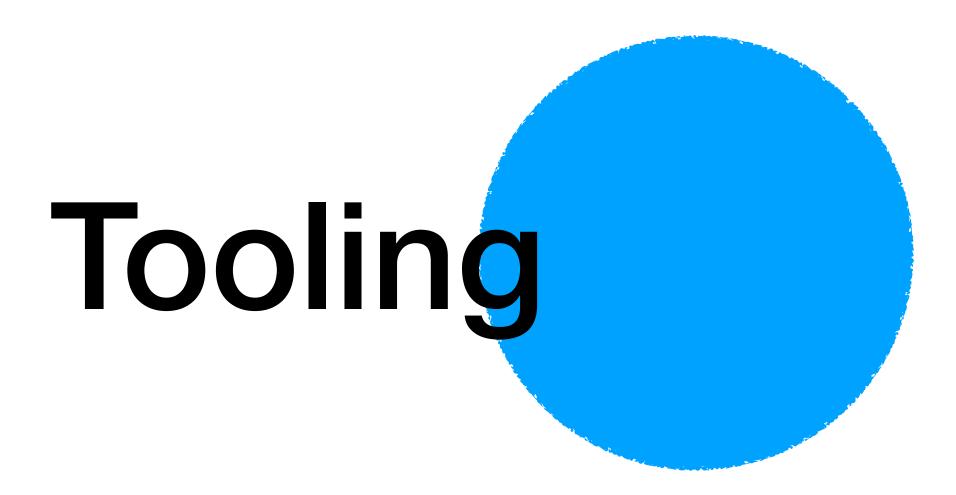
mesos

kubernetes

marathon

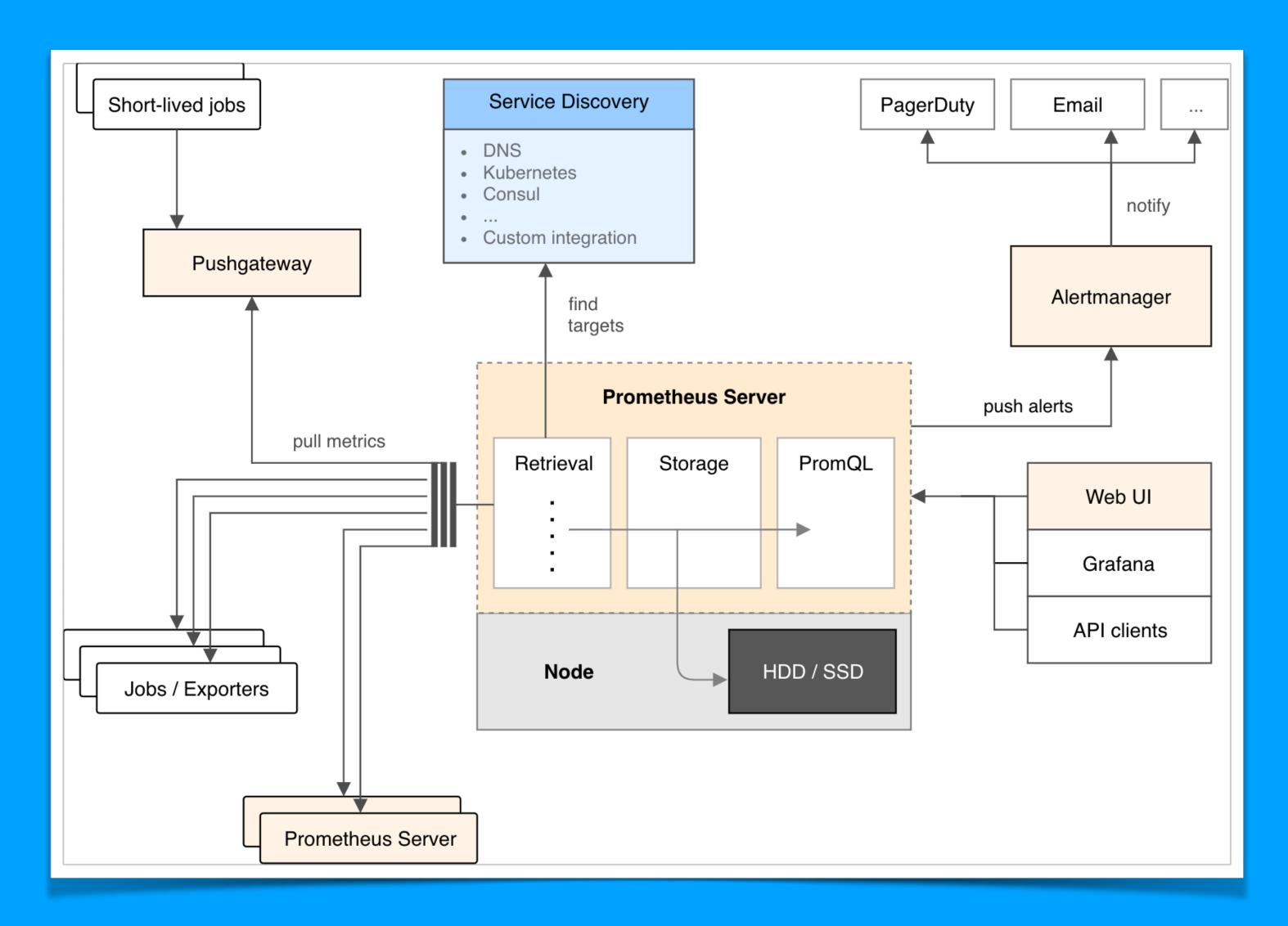


kubernetes





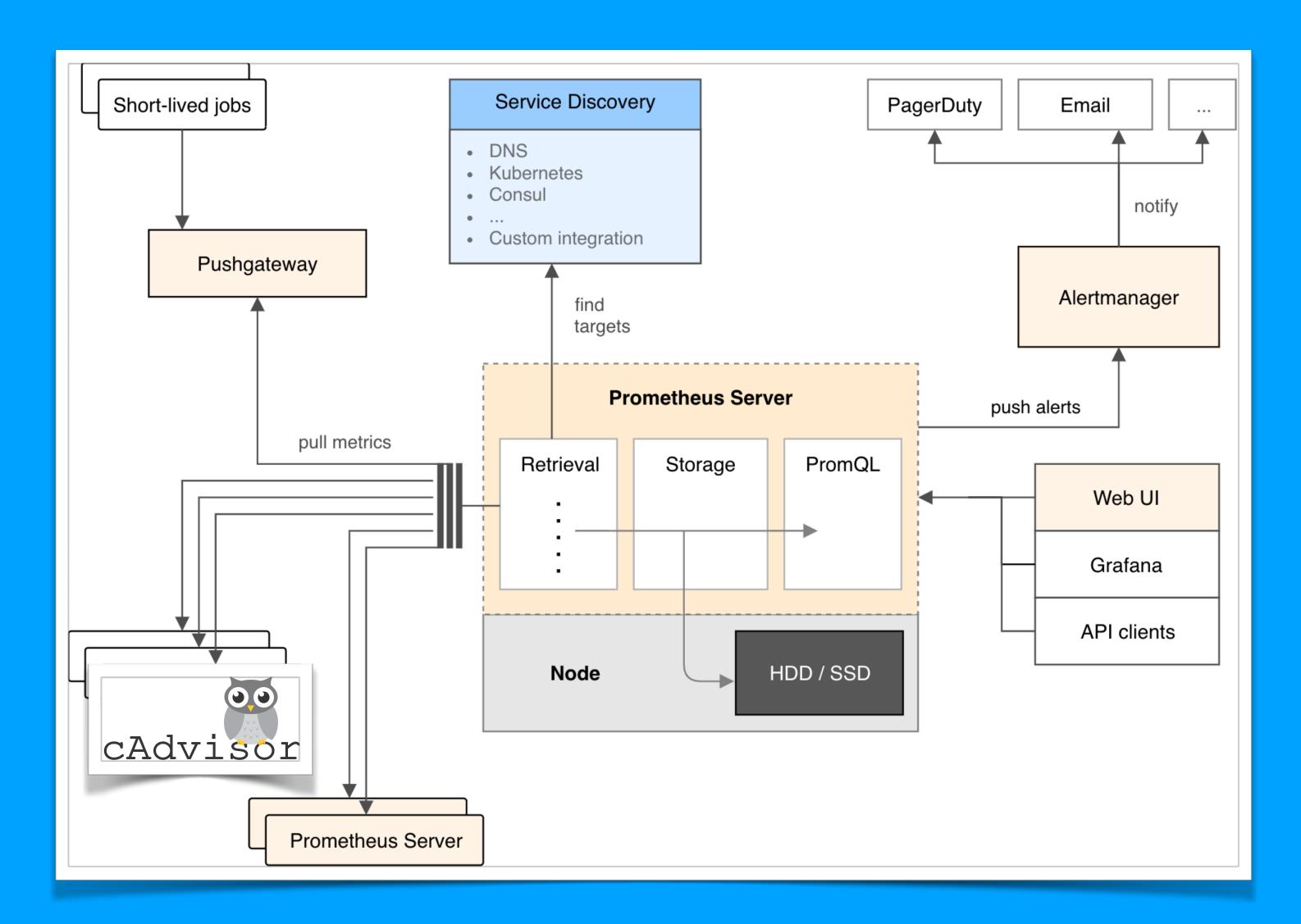
prometheus



architecture overview



prometheus



architecture overview

Scaling algorithm

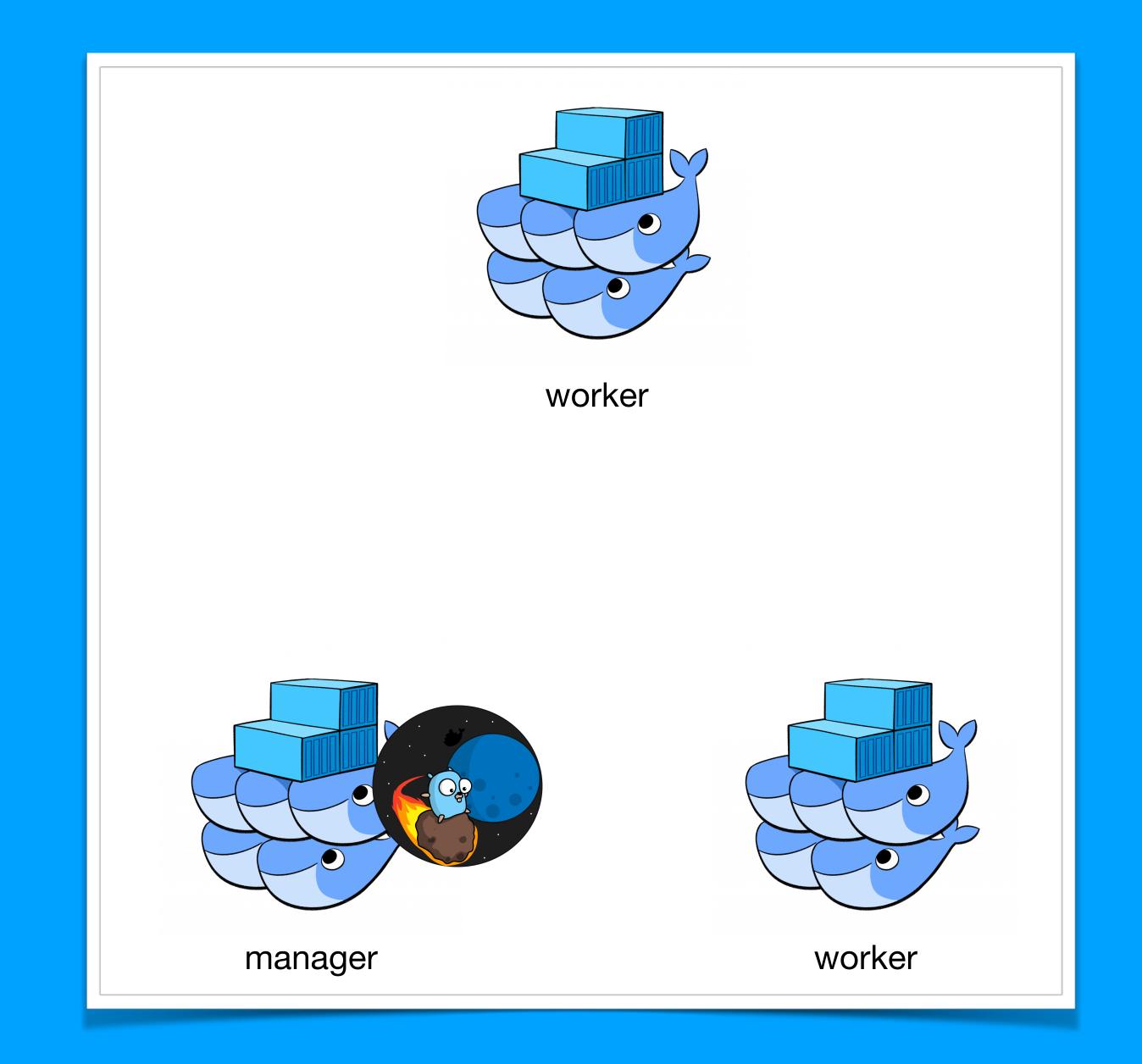
```
target instances = ceil(
target utilization)
target utilization
```

```
min <= target instances <= max
```

kubernetes' scaling algorithm



orbiter







Satellite

Satellite

Satellite connects Orbiter and Prometheus Alertmanager to provide easy integration to make your Docker services autoscale in a Docker Swarm cluster.

Architecture



Scale



Monitoring



Scale Request (Up/Down)





Webhook



Trigger Alert



