self service platform --> devs use and manage the apps (DevOps)

Ruby,Java,NodeJS, javascript, python,php,go (Language runtime , middleware, databases user focused runtimes and env for apps)

Build Automation Deployment Automation

Application Life-cycle management (CI / CD)

Container Orchestrator (OpenShift / Kubernetes)

Networking Storage Registry Logs M Security

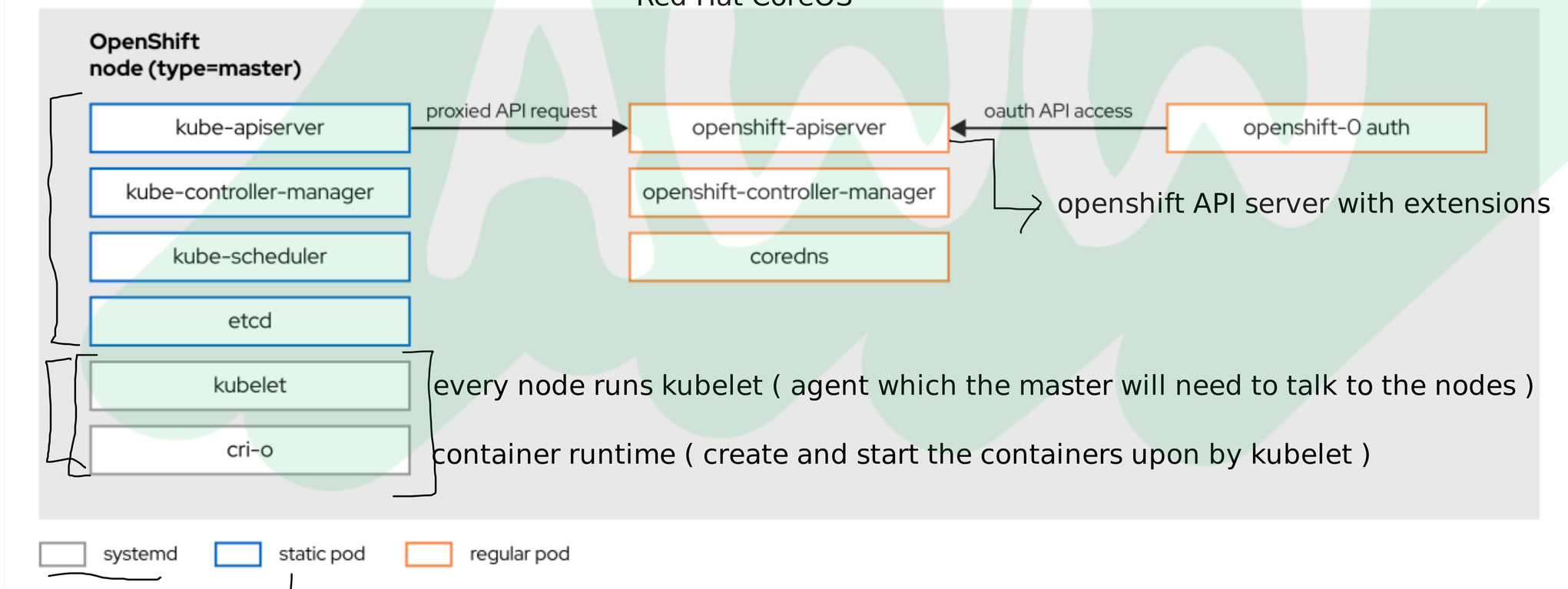
Container Runtime and packaging

Linux (Red Hat CoreOS)

Pub Pri physi virtual

my apache pod will most likely will NOT be scheduled on the master.

Red Hat CoreOS



Static pods are the ones that does not need the api server to be stared. They are managed by the kubelet.

RBAC / SCC

OpenShift is a kubernetes distribution itself packaged and pre managed by operators.

We can install new operator on the cluster to extend the functionality.

collect the logs of my applcation and put them into an amazon s3 bucket.

Kubernetes

1. Container runtime : podman / docker / cri-o
2. Storage interface : cinder / nfs / gluster / apd
3. Network interface : calico / flannel / aci / amazon cni / weave

calico does support networkpolicies and flannel does not.