

An Introduction to

CoreOS

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What is CoreOS?

CoreOS

Based on Gentoo

Kernel + Containers

Built for running HA clusters

Updates applied automatically

Containers

Docker + nspawn

Isolated from other applications

Less overhead than VMs

systemd

System management daemon
Services, timers, and one-off jobs
Logging through journal

etcd

Key-Value Database

Provides service discovery for cluster

Similar to Consul and Zookeeper

fleet

Cluster-level service management

Schedules jobs across cluster

Reschedules units on failure

Demo

Questions?