

Panamax is a containerized app creator with an open-source app marketplace hosted in GitHub. Panamax provides a friendly interface for users of Docker, Fleet & CoreOS. With Panamax, you can easily create, share and deploy any containerized app no matter how complex it might be. Stitch together Docker containers. You can configure links, ports and environment variables, as well as organize your application services into categories. Save your application template to a git repository and share it with your friends. You can source your friends' template repositories or submit a pull request and have your template be canonical and accessible by anyone in the world.

A tool for discovering and configuring services in your infrastructure. It provides several key features: Service Discovery, Health Checking, Key/Value Store, Multi Datacenter

A highly-available key value store for shared configuration and service discovery.

<http://mesos.apache.org>  
With the help of Docker executor for Mesos, Mesos can run and manage Docker containers in conjunction with Chronos and Mesosphere's Marathon frameworks.

CoreOS uses systemd as the core of its distributed init system, fleet.  
systemd is an init system that provides many powerful features for starting, stopping and managing processes. Within the CoreOS world, you will almost exclusively use systemd to manage the lifecycle of your Docker containers.

Serf is a tool for cluster membership, failure detection, and orchestration that is decentralized, fault-tolerant and highly available. Serf runs on every major platform: Linux, MacOS X, and Windows. It is extremely lightweight: it uses 5 to 10 MB of resident memory and primarily communicates using infrequent UDP messages.  
Serf only provides membership, failure detection, and user events.

Flynn is a "distribution" of components that out-of-the-box gives companies a reasonable starting point for an internal "platform" for running their applications and services.  
Flynn is the banner for a collection of independent projects that together make up a toolkit or loose framework for building distributed systems.  
Flynn is both a whole and many parts, depending on what is most useful for you. The common goal is to democratize years of experience and best practices in building distributed systems. It is the software layer between operators and developers that makes both their lives easier.

Helios is a Docker orchestration platform for deploying and managing containers across an entire fleet.

Prometheus is a systems and service monitoring system. It collects metrics from configured targets at given intervals, evaluates rule expressions, displays the results, and can trigger alerts if some condition is observed to be true.  
<http://prometheus.io>

Datadog Agent uses the native cgroup accounting metrics to gather CPU, memory, network and I/O metrics of the containers every 15 seconds before they are forwarded to Datadog.

swarm is a simple tool which controls a cluster of Docker hosts and exposes it as a single "virtual" host.  
It's Docker-native clustering system. It allows you to connect to a single Docker endpoint and run containers on an entire cluster.  
<https://github.com/docker/swarm/>

A docker centric package for scheduling containers on a docker cluster.

Built on the Docker cluster management toolkit Citadel, Shipyard gives you the ability to manage Docker resources including containers, hosts and more.

Shipyard differs from other management applications in that it promotes composability. At the core, Shipyard only manages Docker (containers, etc). However, using "Extension Images" you can add functionality such as application routing and load balancing, centralized logging, deployment and more. You decide which components to use that fit your needs.

<https://github.com/stanaka/mackerel-docker>

Project Atomic facilitates application-centric IT architecture by providing an end-to-end solution for deploying containerized applications quickly and reliably, with atomic update and rollback for application and host alike.

The core of Project Atomic is the Project Atomic Host. This is a lightweight operating system that has been assembled out of upstream RPM content. It is designed to run applications in Docker containers.

Atomic taps gear to install and link Docker containers into systemd and coordinate these containers across hosts.

