**Devops lingo**

| Term | Comment |
| --- | --- |
| Bare metal | A physical machine |
| CA | Certificate Authority, i.e. delivery identity certificates |
| Cello | A bundle developed by Hyperledger packaging Docker and Kubernetes in order to deploy blockchain infrastructures |
| Cluster | A group of collaborating pods, either for High-Availability (failover) or for Load-Balancing |
| Container | A docker package for applications, deployed as a signed image as a “sandboxed” part of a pod or a virtual server. |
| Docker | A application deployment system allowing to manage containers (finer grain than virtual machines) |
| Failover | High-Availability mechanism: a failed node is replaced by a spare node maintained in standby |
| go, golang | A programming language developed at Google’s intended to provide a fast, modern, low-level language, comparable with, but allegedly superior to C |
| HA | High-Availability |
| IaaS | Infrastructure As a Service |
| Image | A binary image of a container to be deployed on a virtual machine |
| Javascript | A programming language intended for Web development, running inside a Web browser, or on nodeJS engine |
| Jenkins | A release management system, intended for continuous integration |
| Kafka | A persistent message queue system (used by Fabric to order messages) |
| Kubernetes | A container management system to administrate, monitor and deploy containers (with a GUI) (orchestration of Docker components) |
| Load-balancing | A mechanism to split workload over several pods, usually using a reverse proxy mechanism |
| NodeJS | A Javascript language implementation intended to run on a server for general purpose programming |
| OpenShift | A PaaS bundle developed by Red Hat packaging Docker, Kubernetes and Jenkins and focused on the development pipeline to deploy applications on a cloud. OpenShift Origins is the open source fork, while OpenShift is a commercial offer by RedHat (including hosting) |
| PaaS | Platform As A Service |
| Pod | A set of containers with a single IP address |
| Swarm | The Docker implementation of clustering |
| Vagrant | A configuration management system to manage virtual development environments. Fabric development environment is thus “virtualized” with vagrant. |
| Virtual server | A server (with OS, IP, …) deployed on a physical machine (bare metal). Virtualization allows several virtual servers to share the same physical host. |
| VMS | Virtual Machine Server |
| Zookeeper | A coordination service for distributed applications (Kafka relies on Zookeeper) |

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How does this fit together?

