Cloud Native Landscape 2017

For more cloud native know-how see:
qaware.de/news/cloudnative

CODE

APPLICATION PLATFORM

Microservices

MicroProfile, fabric8, GESTALT, hapi, lagom

Dataservices*

Spark

APPLICATIONS

CLUSTER ORCHESTRATOR

kubernetes, Helios, apache brooklyn, Chronos, docker COMPOSE, Lattice, Kontena, vamp, RANCHER, Marathon, Apache AURORA, PFINEMAX, Cloudify, decking

CONTAINER

CLUSTER SCHEDULER

MESOS, docker SWARM, Nomad, hadoop YARN, kubernetes, CoreOS fleet

CLUSTER RESOURCES

CLUSTER VIRTUALIZATION

OS Virtualization

docker, runC, rkt, ZEROVM

Network Virtualization

flannel, OPENCONTRAIL, TIGERA, Open Switch, CALICO, weaveworks Weave Net, ROMANA, SocketPlane

Storage Virtualization

Flocker, Torus, ceph, TACHYON, ORANGEFS.ORG, REX-Ray, HDFS, GlusterFS

Memory Virtualization

hazelcast, Infinispan, Apache Ignite

NODE RESOURCES

OPERATING SYSTEM

ATOMIC, RANCHEROS, OSv designed for the cloud Beta, PHOTON OS™, Snappy Ubuntu, CoreOS

PaaS

Flynn, DEIS, PaaSTA, CLOUDFOUNDRY, Apollo, OPENSHIFT, MANTL, APCERA

IaaS

Private / Hybrid

cloudstack, openstack, OpenNebula.org, HPE Helion public

Public

Microsoft Azure, Google Cloud Platform, amazon web services

CaaS

docker DATACENTER, SUPERGIANT, RANCHER, DC/OS, TECTONIC by CoreOS

CLUSTER INFRASTRUCTURE

Configuration & Coordination:

etcd, Consul, Archaius, Zookeeper

Service Discovery:

Consul, Eureka, DNS, Nixy, linkerd

Edge & API Server:

Tyk, KONG, træfik, Weave Flux, Vulkan, Zuul

Cluster Diagnosability:

Grafana, sensu, ZIPKIN, sysdig, elastic + + kibana, Prometheus, NETFLIX OSS, Atlas, Turbine, Vector, Beats, elastic

* See our Big Data Landscape: qaware.de/news/big-data-landscape

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