

# Microservices Cheat Sheet

Container			
Software	URL	Code	License
Docker	<a href="https://www.docker.com/">https://www.docker.com/</a>	<a href="https://github.com/docker">https://github.com/docker</a>	Apache License 2.0
FreeBSD Jails	<a href="https://en.wikipedia.org/wiki/FreeBSD_jail">https://en.wikipedia.org/wiki/FreeBSD_jail</a> (Jails is part of FreeBSD)	<a href="https://github.com/freebsd/freebsd">https://github.com/freebsd/freebsd</a> (Jails is part of FreeBSD)	FreeBSD License
LXC	<a href="https://linuxcontainers.org/lxc/">https://linuxcontainers.org/lxc/</a>	<a href="https://github.com/lxc/lxc">https://github.com/lxc/lxc</a>	GNU LGPL v.2.1
OpenVZ	<a href="https://openvz.org/">https://openvz.org/</a>	<a href="https://github.com/OpenVZ">https://github.com/OpenVZ</a>	GPLv2
rkt	<a href="https://coreos.com/rkt/">https://coreos.com/rkt/</a>	<a href="https://github.com/rkt/rkt">https://github.com/rkt/rkt</a>	Apache License 2.0
Warden	<a href="https://bosh.io/">https://bosh.io/</a> (BOSH is open source project that includes Cloud Foundry and Warden)	<a href="https://github.com/cloudfoundry-attic/warden">https://github.com/cloudfoundry-attic/warden</a>	Apache License 2.0

Container Orchestrator			
Software	URL	Code	License
Docker Swarm	<a href="https://docs.docker.com/engine/swarm/">https://docs.docker.com/engine/swarm/</a>	<a href="https://github.com/docker/swarm">https://github.com/docker/swarm</a>	Apache License 2.0
Empire	<a href="https://empire.readthedocs.io/en/latest/">https://empire.readthedocs.io/en/latest/</a>	<a href="https://github.com/remind101/empire">https://github.com/remind101/empire</a>	BSD 2-Clause "Simplified" License
Kubernetes	<a href="https://kubernetes.io/">https://kubernetes.io/</a>	<a href="https://github.com/kubernetes/kubernetes">https://github.com/kubernetes/kubernetes</a>	Apache License 2.0
LXD	<a href="https://linuxcontainers.org/lxd/introduction/">https://linuxcontainers.org/lxd/introduction/</a>	<a href="https://github.com/lxc/lxd">https://github.com/lxc/lxd</a>	Apache License 2.0
Mesos Marathon	<a href="https://mesosphere.github.io/marathon/">https://mesosphere.github.io/marathon/</a>	<a href="https://github.com/mesosphere/marathon">https://github.com/mesosphere/marathon</a>	Apache License 2.0
Nomad	<a href="https://www.nomadproject.io/">https://www.nomadproject.io/</a>	<a href="https://github.com/hashicorp/nomad">https://github.com/hashicorp/nomad</a>	Mozilla Public License 2.0
OpenShift	<a href="https://www.openshift.com/">https://www.openshift.com/</a>	<a href="https://github.com/openshift">https://github.com/openshift</a>	Apache License 2.0
Rancher	<a href="http://rancher.com/">http://rancher.com/</a>	<a href="https://github.com/rancher/rancher">https://github.com/rancher/rancher</a>	Apache License 2.0

API Gateway			
Software	URL	Code	License
3scale	<a href="https://www.redhat.com/en/technologies/jboss-middleware/3scale">https://www.redhat.com/en/technologies/jboss-middleware/3scale</a>	<a href="https://github.com/3scale/APIcast">https://github.com/3scale/APIcast</a>	Apache License 2.0
API Umbrella	<a href="https://apiumbrella.io/">https://apiumbrella.io/</a>	<a href="https://github.com/NREL/api-umbrella">https://github.com/NREL/api-umbrella</a>	MIT License
ApiAxe	<a href="http://apiaxe.com/">http://apiaxe.com/</a>	<a href="https://github.com/apiaxe/apiaxe">https://github.com/apiaxe/apiaxe</a>	GNU General Public License v3.0
Apigee	<a href="https://cloud.google.com/apigee/">https://cloud.google.com/apigee/</a>	<a href="https://github.com/apigee/microgateway-core">https://github.com/apigee/microgateway-core</a>	Apache License 2.0
APIMAN	<a href="http://www.apiman.io/">http://www.apiman.io/</a>	<a href="https://github.com/apiman/apiman">https://github.com/apiman/apiman</a>	Apache License 2.0
DreamFactory	<a href="https://www.dreamfactory.com/">https://www.dreamfactory.com/</a>	<a href="https://github.com/dreamfactorysoftware/dreamfactory">https://github.com/dreamfactorysoftware/dreamfactory</a>	Apache License 2.0
Fusio	<a href="https://www.fusio-project.org/">https://www.fusio-project.org/</a>	<a href="https://github.com/apioo/fusio">https://github.com/apioo/fusio</a>	GNU Affero General Public License v3.0
Gravitee	<a href="https://gravitee.io/">https://gravitee.io/</a>	<a href="https://github.com/gravitee-io/gravitee-gateway">https://github.com/gravitee-io/gravitee-gateway</a>	Apache License 2.0
Kong	<a href="https://konghq.com/kong/">https://konghq.com/kong/</a>	<a href="https://github.com/Kong/">https://github.com/Kong/</a>	Apache License 2.0
krakenD	<a href="https://www.krakend.io/">https://www.krakend.io/</a>	<a href="https://github.com/devopsfaith/krakend">https://github.com/devopsfaith/krakend</a>	Apache License 2.0
Tyk.io	<a href="https://tyk.io/">https://tyk.io/</a>	<a href="https://github.com/TykTechnologies/tyk">https://github.com/TykTechnologies/tyk</a>	Mozilla Public License 2.0
wicked.haufe.io	<a href="http://wicked.haufe.io/">http://wicked.haufe.io/</a>	<a href="https://github.com/Haufe-Lexware/wicked.haufe.io">https://github.com/Haufe-Lexware/wicked.haufe.io</a>	Apache License 2.0
WSO2 API Manager	<a href="https://wso2.com/api-management/">https://wso2.com/api-management/</a>	<a href="https://github.com/wso2/product-apim">https://github.com/wso2/product-apim</a>	Apache License 2.0

CI/CD			
Software	URL	Code	License
Buildbot	<a href="https://buildbot.net/">https://buildbot.net/</a>	<a href="https://github.com/buildbot/buildbot">https://github.com/buildbot/buildbot</a>	GNU General Public License v2.0
Concourse	<a href="https://concourse-ci.org/">https://concourse-ci.org/</a>	<a href="https://github.com/concourse/concourse">https://github.com/concourse/concourse</a>	Apache License 2.0
CruiseControl	<a href="https://ccnet.github.io/CruiseControl.NET/projects/ccnet/wiki.html">https://ccnet.github.io/CruiseControl.NET/projects/ccnet/wiki.html</a> (also available at sourceforge)	<a href="https://github.com/ccnet/CruiseControl.NET">https://github.com/ccnet/CruiseControl.NET</a>	The ThoughtWorks Open Source Software License
Drone	<a href="https://drone.io/">https://drone.io/</a>	<a href="https://github.com/drone/drone">https://github.com/drone/drone</a>	Apache License 2.0
GitLab	<a href="https://gitlab.com/">https://gitlab.com/</a>	<a href="https://gitlab.com/gitlab-org">https://gitlab.com/gitlab-org</a>	MIT License
GoCD	<a href="https://www.gocd.org/">https://www.gocd.org/</a>	<a href="https://github.com/gocd/gocd">https://github.com/gocd/gocd</a>	Apache License 2.0
Hudson	<a href="http://hudson-ci.org/">http://hudson-ci.org/</a>	<a href="https://github.com/hudson">https://github.com/hudson</a>	MIT License
Jenkins	<a href="https://jenkins.io/">https://jenkins.io/</a>	<a href="https://github.com/jenkinsci/jenkins">https://github.com/jenkinsci/jenkins</a>	MIT License
Screwdriver	<a href="https://screwdriver.cd/">https://screwdriver.cd/</a>	<a href="https://github.com/screwdriver-cd">https://github.com/screwdriver-cd</a>	Yahoo BSD License
Wercker	<a href="https://www.oracle.com/corporate/acquisitions/wercker/">https://www.oracle.com/corporate/acquisitions/wercker/</a> (acquired by Oracle)	<a href="https://github.com/wercker/wercker">https://github.com/wercker/wercker</a>	Apache License 2.0

Load Balancer			
Software	URL	Code	License
Apache modules (mod_athena, mod_proxy_balancer)	<a href="http://ath.sourceforge.net/mod_athena_doc/html/index.html">http://ath.sourceforge.net/mod_athena_doc/html/index.html</a> <a href="https://httpd.apache.org/docs/2.4/mod/mod_proxy_balancer.html">https://httpd.apache.org/docs/2.4/mod/mod_proxy_balancer.html</a>	<a href="http://ath.sourceforge.net/">http://ath.sourceforge.net/</a> or <a href="https://code.google.com/archive/p/ath/">https://code.google.com/archive/p/ath/</a> <a href="https://github.com/omnigroup/Apache/blob/master/httpd/modules/proxy/mod_proxy_balancer.c">https://github.com/omnigroup/Apache/blob/master/httpd/modules/proxy/mod_proxy_balancer.c</a>	Apache License 2.0
Balance	<a href="https://www.inlab.net/balance/">https://www.inlab.net/balance/</a>	<a href="https://sourceforge.net/projects/balance/">https://sourceforge.net/projects/balance/</a>	GNU General Public License version 2.0
Distributor	<a href="http://distributor.sourceforge.net/">http://distributor.sourceforge.net/</a>	<a href="https://sourceforge.net/projects/distributor/files/">https://sourceforge.net/projects/distributor/files/</a>	GNU General Public License version 2.0
Eddie	<a href="http://eddie.sourceforge.net/">http://eddie.sourceforge.net/</a>	(Project is on sourceforge, but code could not be traced)	Erlang Public License (EPL)
Fabio	<a href="https://fabiolb.net/">https://fabiolb.net/</a>	<a href="https://github.com/fabiolb/fabio">https://github.com/fabiolb/fabio</a>	MIT License
GitHub Load Balancer (GLB) Director	<a href="https://github.blog/2016-09-22-introducing-glb/">https://github.blog/2016-09-22-introducing-glb/</a>	<a href="https://github.com/github/glb-director">https://github.com/github/glb-director</a>	BSD 3-Clause License
gobetween	<a href="http://gobetween.io/">http://gobetween.io/</a>	<a href="https://github.com/yyar/gobetween">https://github.com/yyar/gobetween</a>	Open source license
HAProxy	<a href="http://www.haproxy.org/">http://www.haproxy.org/</a>	<a href="https://github.com/haproxy/haproxy">https://github.com/haproxy/haproxy</a>	HAPROXY's license / GPL version 2
katran		<a href="https://github.com/facebookincubator/katran">https://github.com/facebookincubator/katran</a>	GNU General Public License v2.0
Keepalived	<a href="https://www.keepalived.org/">https://www.keepalived.org/</a>	<a href="https://github.com/acassen/keepalived">https://github.com/acassen/keepalived</a>	GNU General Public License v2.0
Linux Network Load Balancing	<a href="http://lnlb.sourceforge.net/">http://lnlb.sourceforge.net/</a>	<a href="https://sourceforge.net/projects/lnlb/files/">https://sourceforge.net/projects/lnlb/files/</a>	GNU General Public License version 2.0
Linux Virtual Server (LVS)	<a href="http://www.linuxvirtualserver.org/">http://www.linuxvirtualserver.org/</a>	<a href="http://www.linuxvirtualserver.org/software/">http://www.linuxvirtualserver.org/software/</a>	GNU General Public License
Neutrino	<a href="https://neutrinoslb.github.io/">https://neutrinoslb.github.io/</a>	<a href="https://github.com/eBay/Neutrino">https://github.com/eBay/Neutrino</a>	Apache License 2.0
NodePort	<a href="https://kubernetes.io/">https://kubernetes.io/</a> (NodePort is part of kubernetes)	<a href="https://github.com/kubernetes/kubernetes">https://github.com/kubernetes/kubernetes</a>	Apache License 2.0
OpenLoBa	<a href="http://openloba.sourceforge.net/">http://openloba.sourceforge.net/</a>	<a href="https://sourceforge.net/p/openloba/code/HEAD/tree/">https://sourceforge.net/p/openloba/code/HEAD/tree/</a>	Not known
Pen	<a href="http://siag.nu/pen/">http://siag.nu/pen/</a>	<a href="https://github.com/UlricE/pen">https://github.com/UlricE/pen</a>	GNU General Public License, Version 2
Perlbal	<a href="https://www.perl.org/about/whitepapers/perl-loadbalancer.html">https://www.perl.org/about/whitepapers/perl-loadbalancer.html</a>	<a href="https://metacpan.org/release/Perlbal/source/lib/Perlbal.pm">https://metacpan.org/release/Perlbal/source/lib/Perlbal.pm</a>	GNU General Public License
Pound	<a href="http://www.apsis.ch/pound/">http://www.apsis.ch/pound/</a>	<a href="http://www.apsis.ch/pound/index_html">http://www.apsis.ch/pound/index_html</a>	GNU Public License
Riverdrums Load Balancer	<a href="https://sourceforge.net/projects/rlb/">https://sourceforge.net/projects/rlb/</a>	<a href="https://sourceforge.net/projects/rlb/files/">https://sourceforge.net/projects/rlb/files/</a>	GNU General Public License 2.0
Seesaw	<a href="https://opensource.google.com/projects/seesaw">https://opensource.google.com/projects/seesaw</a>	<a href="https://github.com/google/seesaw">https://github.com/google/seesaw</a>	Apache License 2.0
Synapse	<a href="https://synapse.apache.org/">https://synapse.apache.org/</a>	<a href="https://synapse.apache.org/source-repository.html">https://synapse.apache.org/source-repository.html</a>	Apache License 2.0
traefik	<a href="https://traefik.io/">https://traefik.io/</a>	<a href="https://github.com/containous/traefik">https://github.com/containous/traefik</a>	MIT License
XLB HTTP Load Balancer	<a href="https://sourceforge.net/projects/xlb/">https://sourceforge.net/projects/xlb/</a>	<a href="https://sourceforge.net/projects/xlb/files/">https://sourceforge.net/projects/xlb/files/</a>	GNU General Public License 2.0
Zevenet	<a href="https://www.zevenet.com/">https://www.zevenet.com/</a>	<a href="https://github.com/zevenet">https://github.com/zevenet</a>	GNU Affero General Public License v3.0

Service Registry & Service Discovery			
Software	URL	Code	License
Baker Street	<a href="http://bakerstreet.io/">http://bakerstreet.io/</a>	<a href="https://github.com/datawire/bakerstreet">https://github.com/datawire/bakerstreet</a>	Apache License 2.0
Consul	<a href="https://www.consul.io/">https://www.consul.io/</a>	<a href="https://github.com/hashicorp/consul">https://github.com/hashicorp/consul</a>	Mozilla Public License 2.0
Doozer		<a href="https://github.com/ha/doozerd">https://github.com/ha/doozerd</a>	MIT License
etcd	<a href="https://etcd.io/">https://etcd.io/</a>	<a href="https://github.com/etcd-io/etcd">https://github.com/etcd-io/etcd</a>	Apache License 2.0
Eureka		<a href="https://github.com/Netflix/eureka">https://github.com/Netflix/eureka</a>	Apache License 2.0
Registrator	<a href="https://gliderlabs.github.io/registrator/latest/">https://gliderlabs.github.io/registrator/latest/</a>	<a href="https://github.com/gliderlabs/registrator">https://github.com/gliderlabs/registrator</a>	MIT License
Serf	<a href="https://www.serf.io/">https://www.serf.io/</a>	<a href="https://github.com/hashicorp/serf">https://github.com/hashicorp/serf</a>	Mozilla Public License 2.0
SkyDNS		<a href="https://github.com/skynetservices/skydns">https://github.com/skynetservices/skydns</a>	MIT License
Zookeeper	<a href="https://zookeeper.apache.org/">https://zookeeper.apache.org/</a>	<a href="https://github.com/apache/zookeeper">https://github.com/apache/zookeeper</a>	Apache License 2.0