

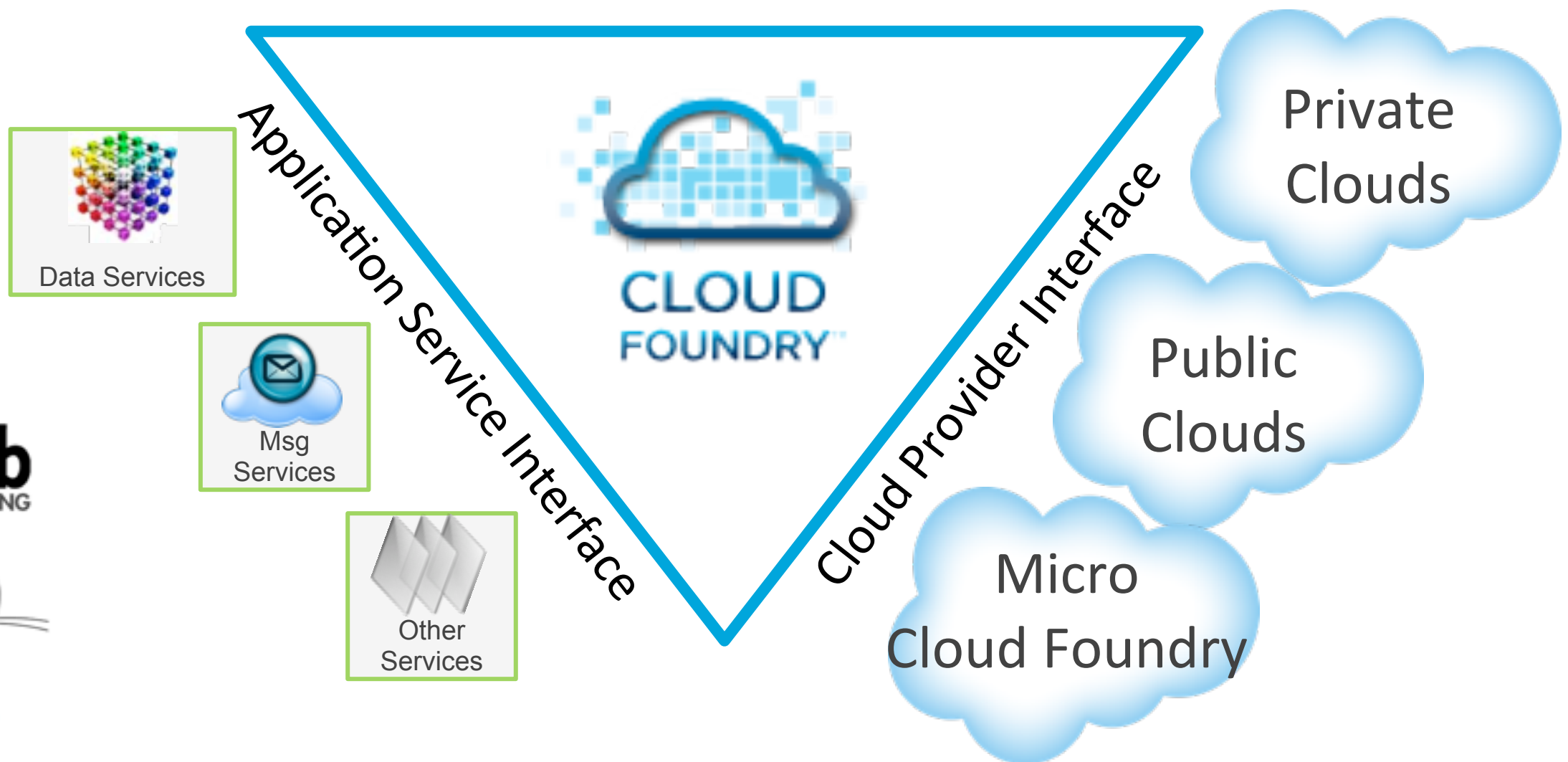


CLOUD FOUNDRY™

DEPLOY & SCALE YOUR APPLICATIONS IN SECONDS

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Cloud Foundry Open PaaS



Apache2 license

history

developed and published by VMware in 2011

<https://github.com/cloudfoundry>

Now part of Pivotal

<http://gopivotal.com>

Fully open-source

(cloud platform itself, hosting and admin tools,
developer tooling)

Fully open contribution process

past: runtimes & frameworks

Java (6 + 7): Web, Spring, Lift, Play

node.js (0.4 + 0.6 + 0.8)

Ruby: Rails, Sinatra, Rack

BYOC (standalone apps, container + JVM tuning)

future: buildpacks

Heroku-like buildpacks

define the environment

you can write and use your own buildpacks

services

MySQL

Redis

PostgreSQL

MongoDB

RabbitMQ

in the repo:

ElasticSearch, CouchDB, Neo4j, Filesystem,
Blob, Memcached

on your own:

you can implement your own services
services can be hosted externally

tools

(developer perspective)

vmc - command line

Cloud Foundry Integration for Eclipse

Maven plugin

Gradle plugin

web-based dashboard (coming soon)

additional highlights

framework support

(includes auto-reconfiguration for Spring and node.js)

Micro Cloud

(includes full debugging support)

tunneling to services

(e.g. connect your favorite database tool)

BOSH

(managing cloud environments)

scaling

#1: the infrastructure level
(done by the PaaS operator)

#2: the application level
(done by the app developer)
(not automated, but technically possible)

coming up

organizations and spaces
(enables more flexible management and teamwork)

cloudfoundry.com
(introducing commercial packages)

dashboard
(web-based management console)

Resources

Cloud Foundry

<http://www.cloudfoundry.com>

<http://www.cloudfoundry.org>

Cloud Foundry GitHub

<https://github.com/cloudfoundry>

CloudFoundry Integration for Eclipse

<https://github.com/SpringSource/eclipse-integration-cloudfoundry>

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