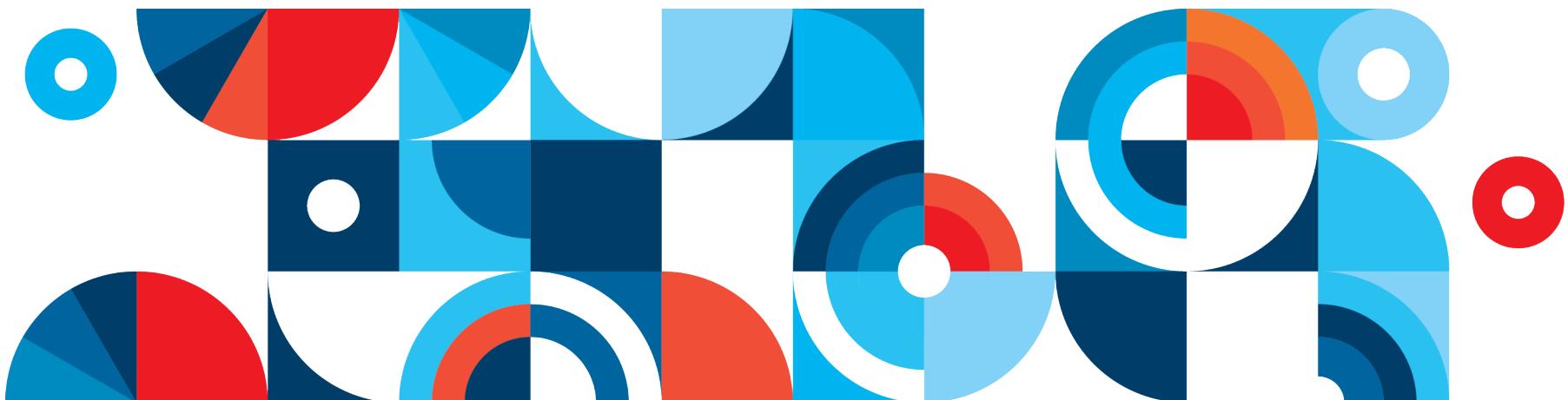


October, 2015

Cloud Foundry Hands-On Labs

Raghavan “Rags” N. Srinivas raghsrin@us.ibm.com

John Wetherill john.wetherill@gmail.com



Speaker(s)

Raghavan N. Srinivas

Cloud Architect/Evangelist

raghsrin@us.ibm.com or rags@acm.org

 @ragss



John Wetherill

Evangelist

John.wetherill@gmail.com

 @bcferrycoder



Agenda

- Intro to Cloud Foundry
- IBM Bluemix and cf CLI
- Hands-On Labs

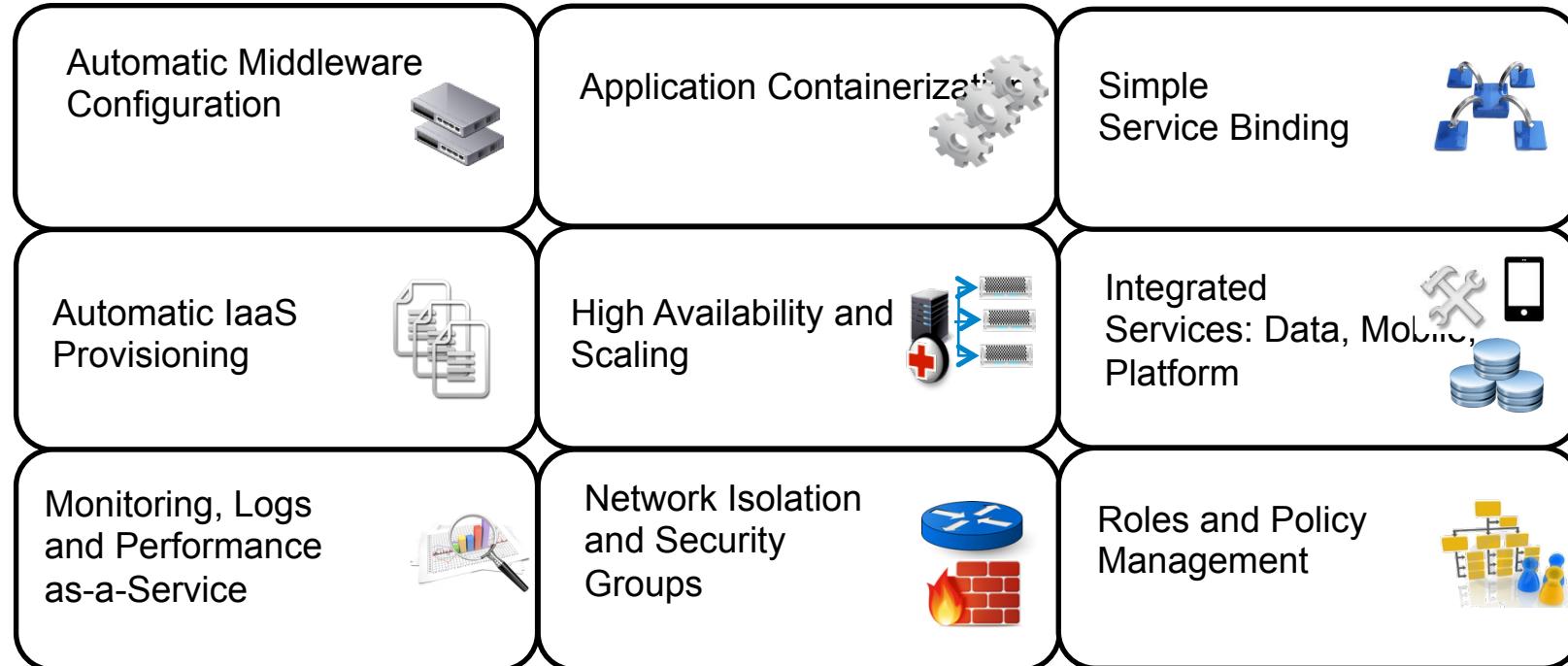


- Dec 2014: Cloud Foundry Foundation Launches
 - Support From Over 40 Companies
 - IBM and HP are Sponsors in addition to other companies
- Open Standards, Open Governance
- PaaS – Platform as a Service
 - Bring your application, run it. No fuss.
- IBM uses Cloud Foundry in Bluemix



Cloud Foundry

- Enterprise Capabilities At A Glance

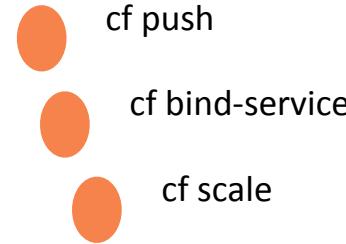


Running on top of

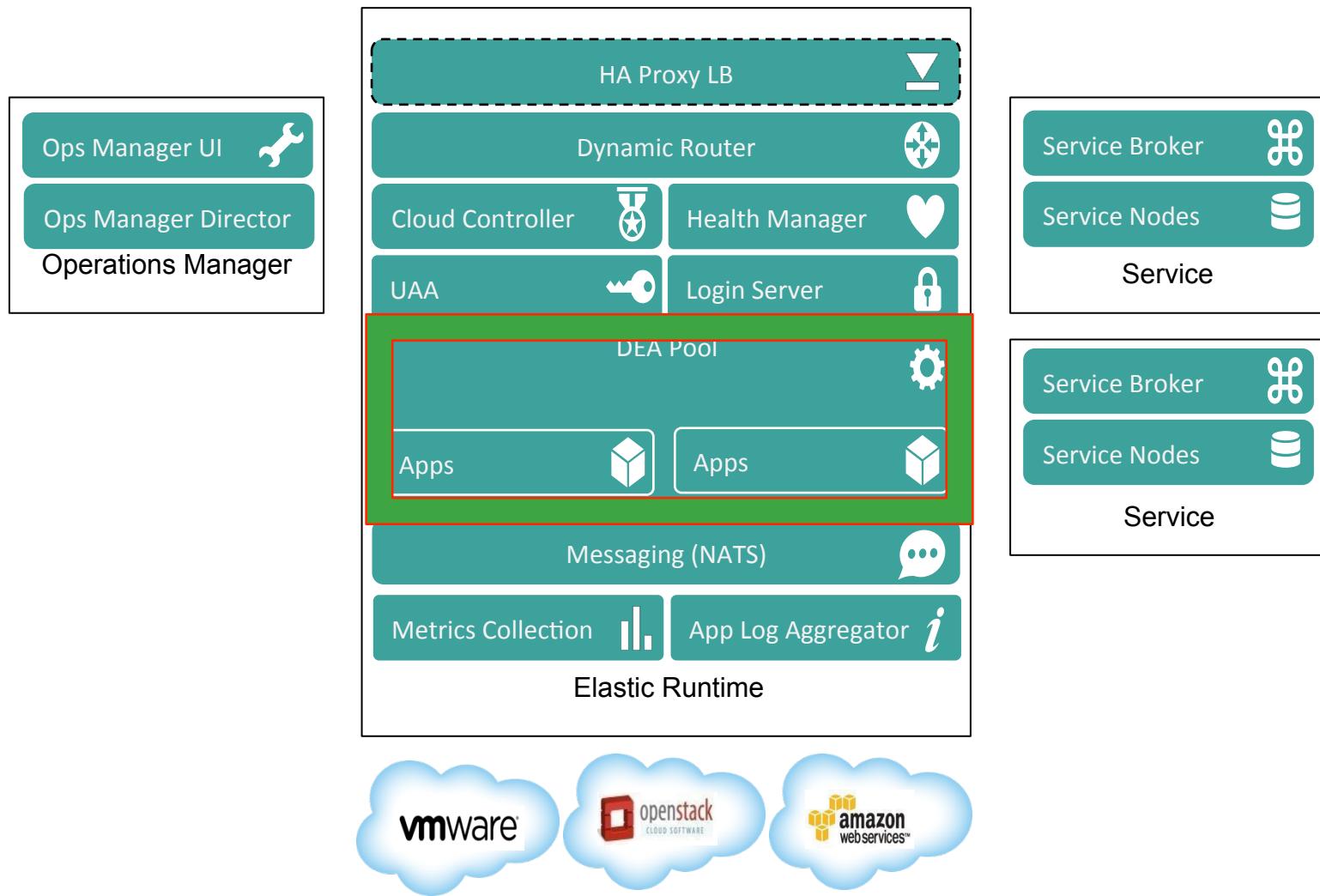


A Platform that handles the Non-Functional Requirements

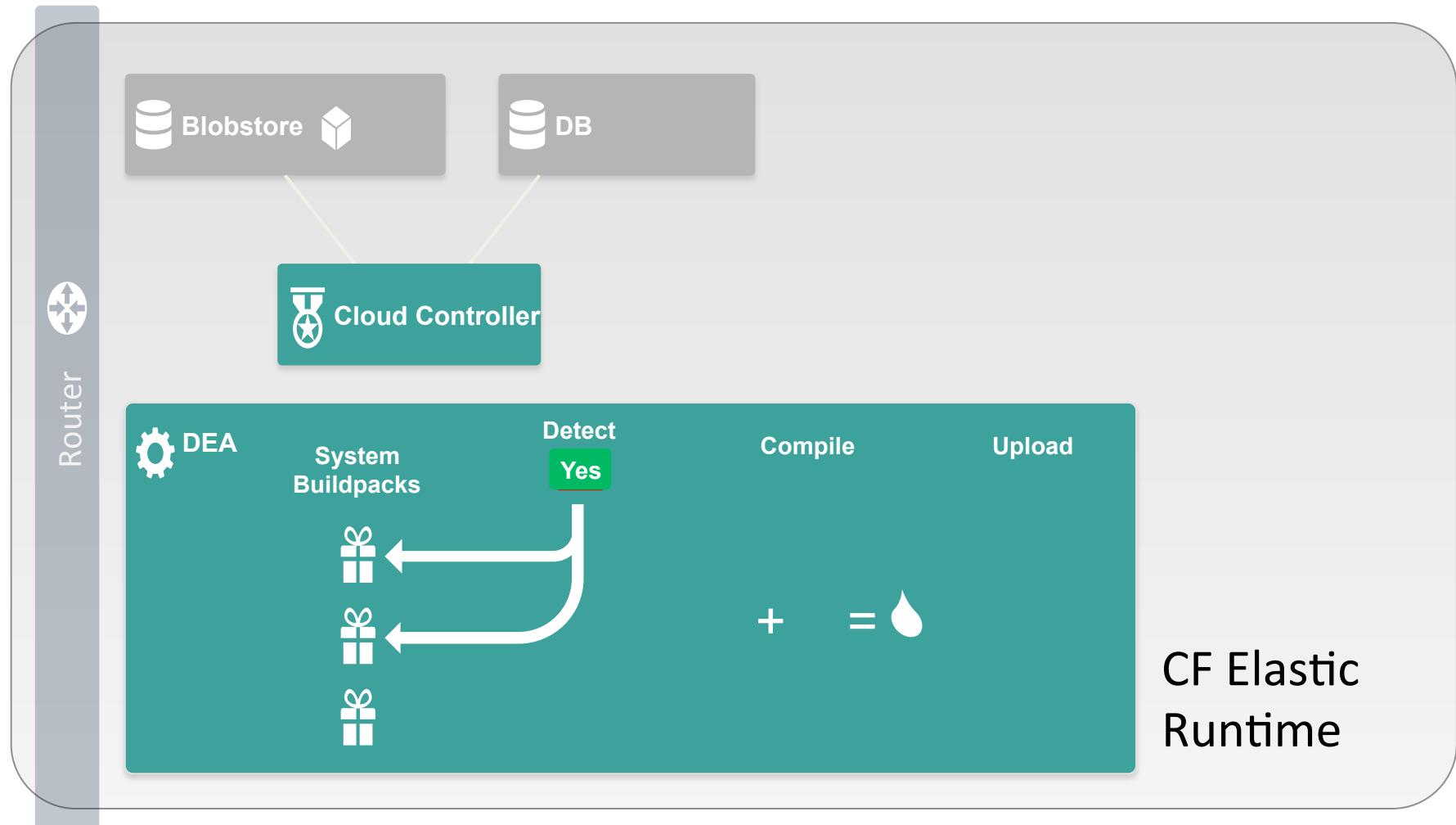
-  Provision VM
-  Install Application Runtime
-  Deploy Application
-  Configure Load Balancer
-  Configure SSL Termination
-  Configure Service Connectivity
-  Configure Firewall



Cloud Foundry Architecture



Application Staging



Agenda

- Intro to Cloud Foundry
- IBM Bluemix and cf CLI
- Hands-On Labs

IBM Bluemix

DASHBOARD SOLUTIONS CATALOG PRICING DOCS COMMUNITY 205

ORG: ragsrin@us.ibm.com

+ Create a Space

dev

- CF APPS (9)
- SERVICES (7)
- CONTAINERS (3)
- VIRTUAL MACHINES (1)

Cloud Foundry Apps
3.961 GB/32 GB Used

Containers
1.500 GB/16 GB | 4/4 Public IPs

Virtual Machines
3 GB/12 GB | 2/11 Public IPs

CREATE APP **START CONTAINERS** **RUN VIRTUAL MACHINES**

Data & Analytics

Services & APIs
7/160 Used

WORK WITH DATA **USE SERVICES OR APIs**

Applications

App Name	Runtime	Health	Actions
bl-todo http://bl-todo.mybluemix.net	Liberty for Java™	Unknown	
bmvirtualV2-ragsibm-1036 http://bmvirtualV2-ragsibm-1036.mybluemix.net	SDK for Node.js™	Unknown	
hello-cloud http://hello-cloud.mybluemix.net	Liberty for Java™	Unknown	
pcfdemo http://pcfdemo-chariotlike-infiniite-b...	Liberty for Java™	Unknown	

Prerequisites

Registered for a Bluemix account that is
****still current****

Installed the Cloud Foundry CLI from
<https://github.com/cloudfoundry/cli>

Agenda

- Intro to Cloud Foundry
- IBM Bluemix and cf CLI
- Hands-On Labs

Call for Action

- Trial Bluemix accounts at <https://console.ng.bluemix.net/>
- Sign up for the CF [mailing lists](#).
- Learn how to write [12-factor](#) applications.
- CFAD!

Free trial accounts



<https://ace.ng.bluemix.net/>



<https://run.pivotal.io/>



<http://www.hpccloud.com/products-services/application-paas>

Hands-On Labs

<https://github.com/ragsns/javaone-cloudfoundry-hol>

Thank you!

Questions?

