



Community Powered Innovation

One World Hotel, Malaysia
Uli Hitzel, Senior Architect
September 21th 2015



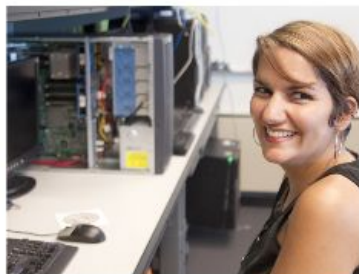
INGRAM MICRO SOLUTION DAY 2015
SOFTWARE DEFINE DATA CENTRE

Your Takeaways from this Session

Software Defined Data Centres will be based on community powered innovation, not proprietary software.

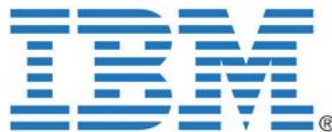
- commoditization of data centre infrastructure
- massive scale out functionality needed that only collaborative efforts can solve
- focus on innovation and creating value added services





uli@redhat.com

- Senior Architect at Red Hat
- based out of Singapore, covering APAC
- web infrastructure, virtualization, automation, cloud
- software developer → project manager → consultant
→ architect



Commoditization



Software Defined Data Centres
deliver the infrastructure for
the backend of applications.
They need to be scalable,
predictable, cost efficient.



Everything in Software





Benefit: Decoupling



Application



Network



Hardware

OpenStack

Open source project for building a private or public infrastructure-as-a-Service (IaaS) cloud running on standard hardware

Cloud operating system that controls large pools of compute, storage and networking resources throughout a datacenter

Community of global collaborators creating open source software to build public and private clouds



Benefit: Interconnect & Innovate



- mobile
- analytics
- cloud



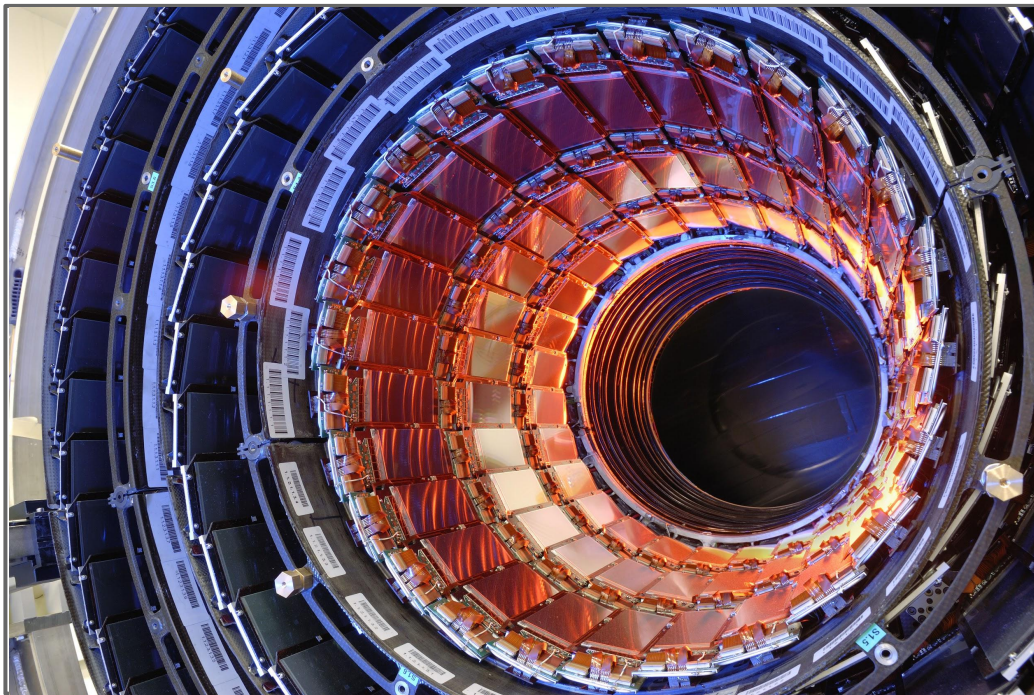
Software Defined Data Centres
allow you to decouple services
so you avoid lock-in, focus on
innovation and interconnecting
services



Scale Out Architecture



Cern - Massive Analysis & Storage



- Cern Large Hadron Collider: particle accelerator
- 40m photos/sec → 1 PB/sec of data
- OpenStack & Ceph
- 100k+ processor cores
- analytics results in minutes instead of months

In The News



News Startups Mobile Gadgets Enterprise Social Europe

Trending Google Twitter Apple

Google

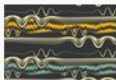
openstack

Cloud

Popular Posts



The L3D Cube Starts the 3D Display Revolution
23 hours ago



Pornhub Launches An Unlimited Streaming Service, Pornhub Premium
6 days ago



Listen to Elon Musk's Awkward Silence After A Question About Tesla's Self-Driving Fleet
6 days ago

Google Signs On As OpenStack Sponsor, Will Contribute Container Tech

Posted Jul 16, 2015 by [Frederic Lardinois \(@fredericl\)](#)

1,440
SHARES



Google is joining the [OpenStack Foundation](#) as the open source project's [newest corporate sponsor](#), the two organizations [announced](#) today. Google, which has

ADVERTISEMENT

Lightricks, The Creator of Facetune, Lands \$10M to Develop New Photo-Apps



CrunchBase

[OpenStack](#)

Be like them ...



... without spending like them.

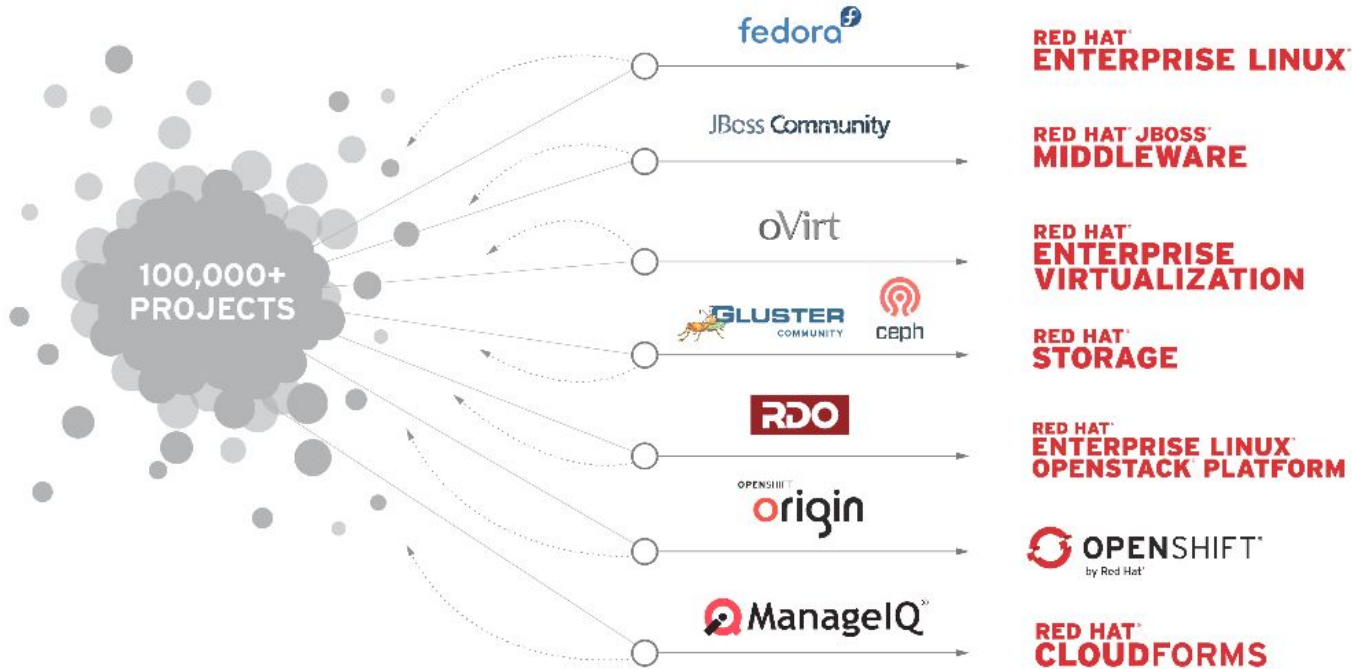
Community Powered Innovation
gives you scale out
infrastructure that continuously
improves. You consume and, if
you like, contribute.



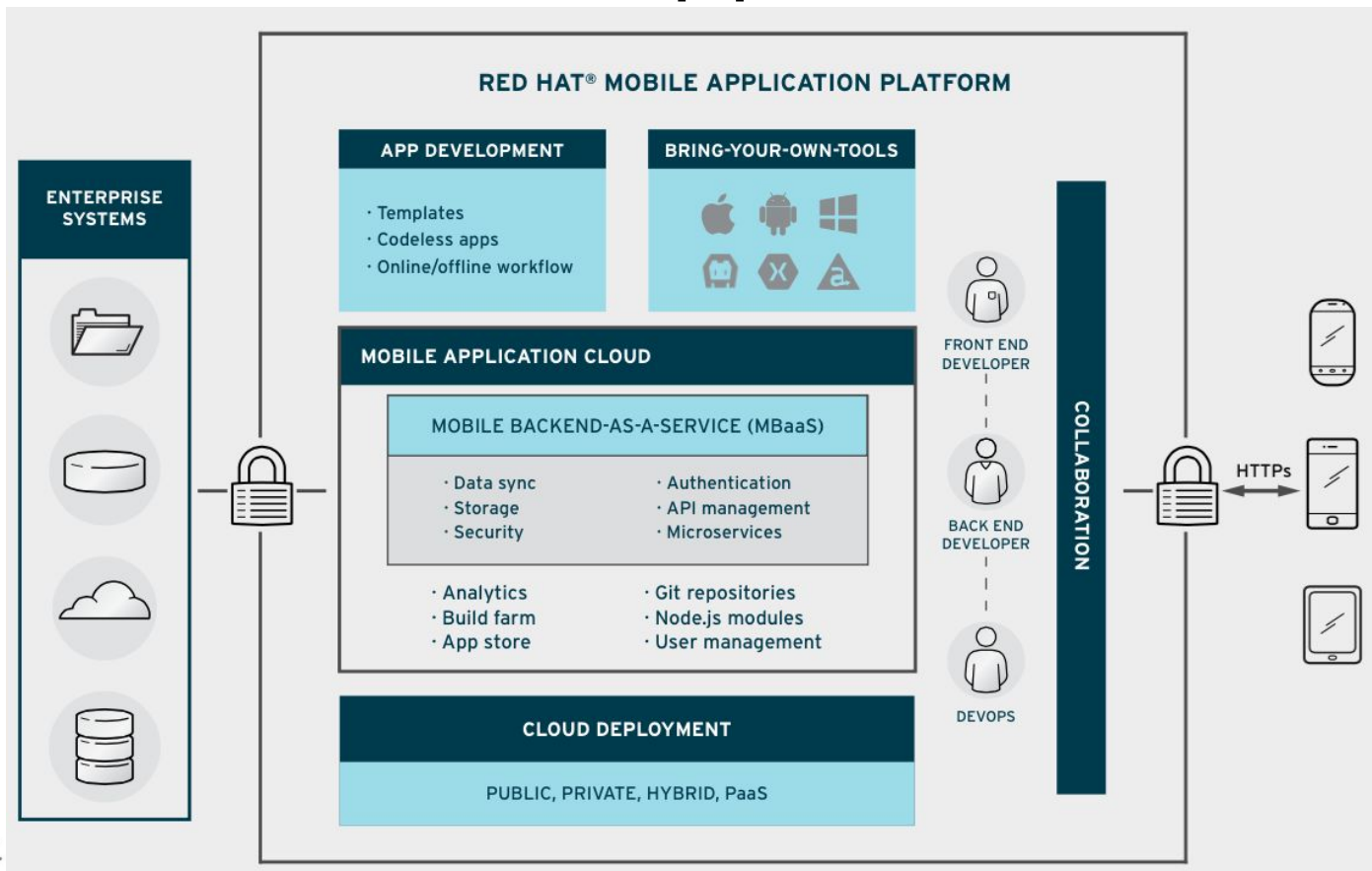
Community Powered Innovation...



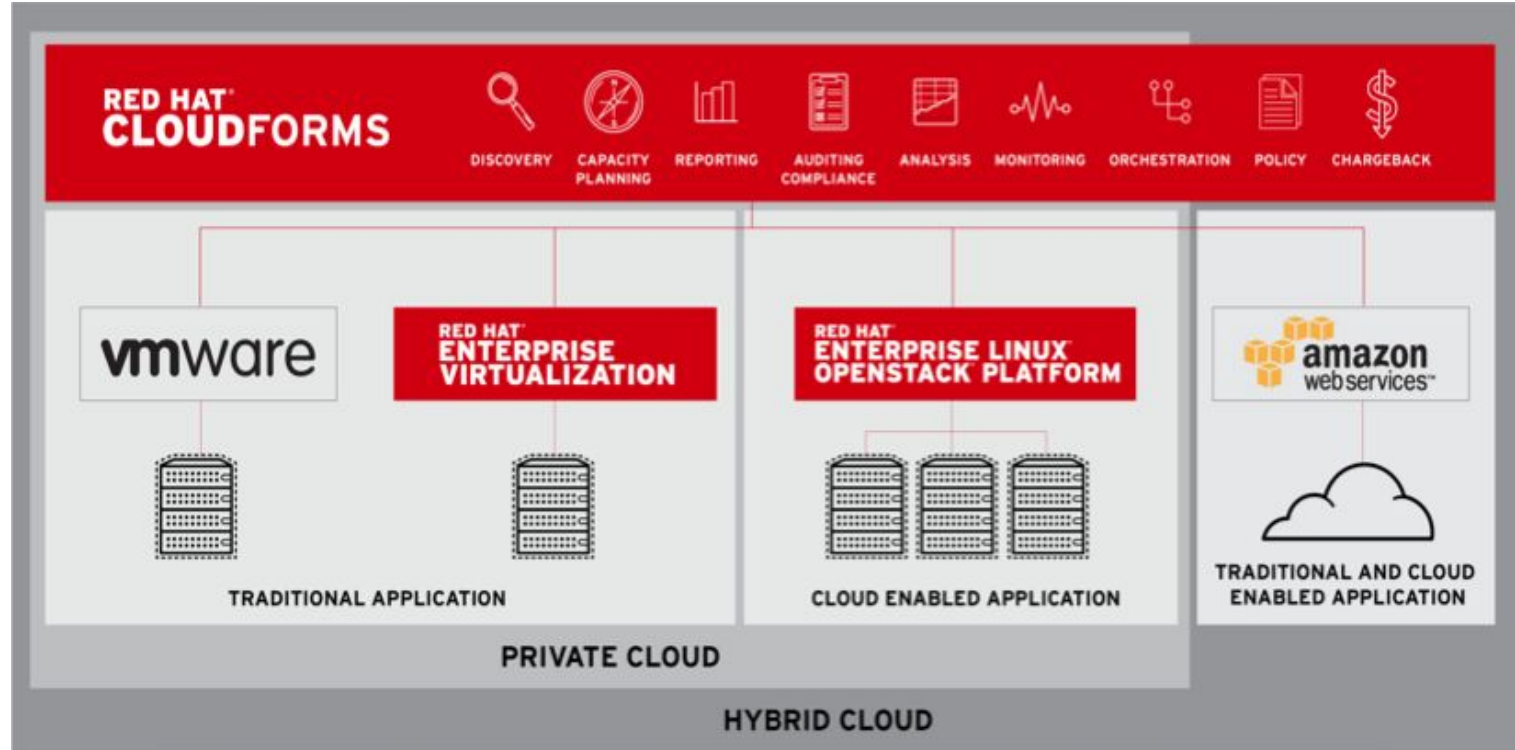
... needs a Catalyst



Red Hat Mobile Application Platform



Red Hat Cloud Infrastructure



Your Takeaways from this Session

Software Defined Data Centres will be based on community based innovation, not proprietary software.

- commoditization of data centre infrastructure
- massive scale out functionality needed that only collaborative efforts can solve
- focus on innovation and creating value added services



Thank you.

