

OpenShift is FanPaaStic

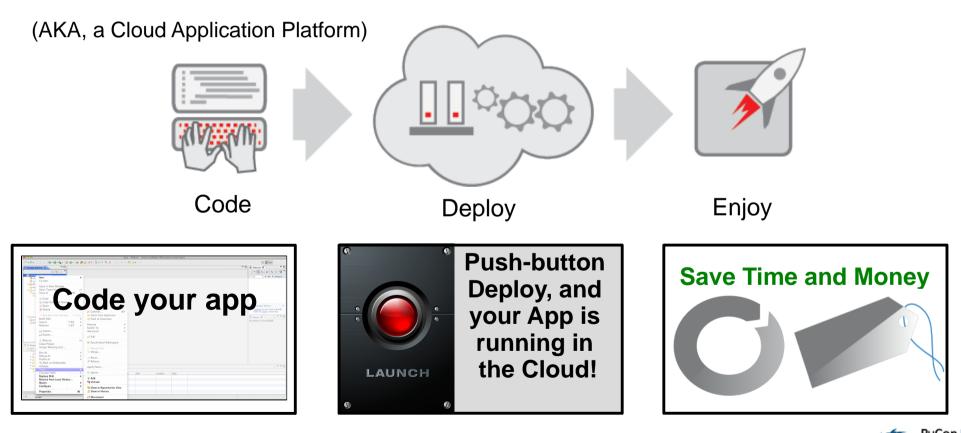
Linqing Lu linqing@redhat.com PaaS Dragon







PaaS = Platform as a Service







PaaS vs Other Cloud Stuff

laaS (Infrastructure as a Service)

• Servers in the cloud

OPEN SHIFT

• You must build and manage everything (OS, App Servers, DB, App, etc.)

SaaS (Software as a Service)

- Someone else's app in the cloud (CRM, etc.)
- You are restricted to the features of the 3rd party application



"How do I use this?"

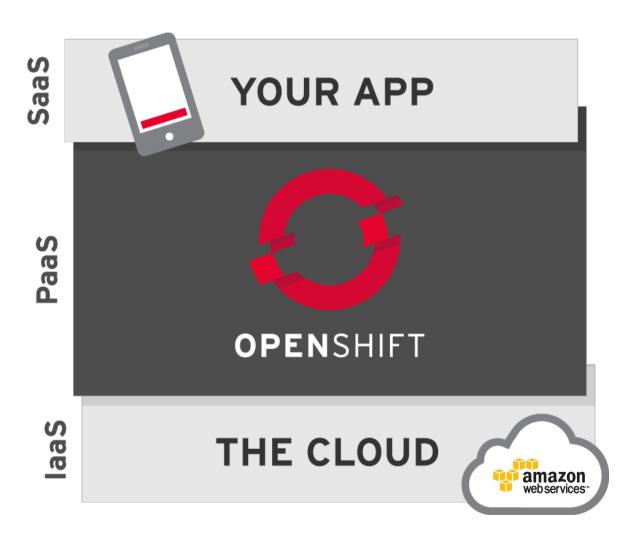


"I'm not sure this app does what I need."





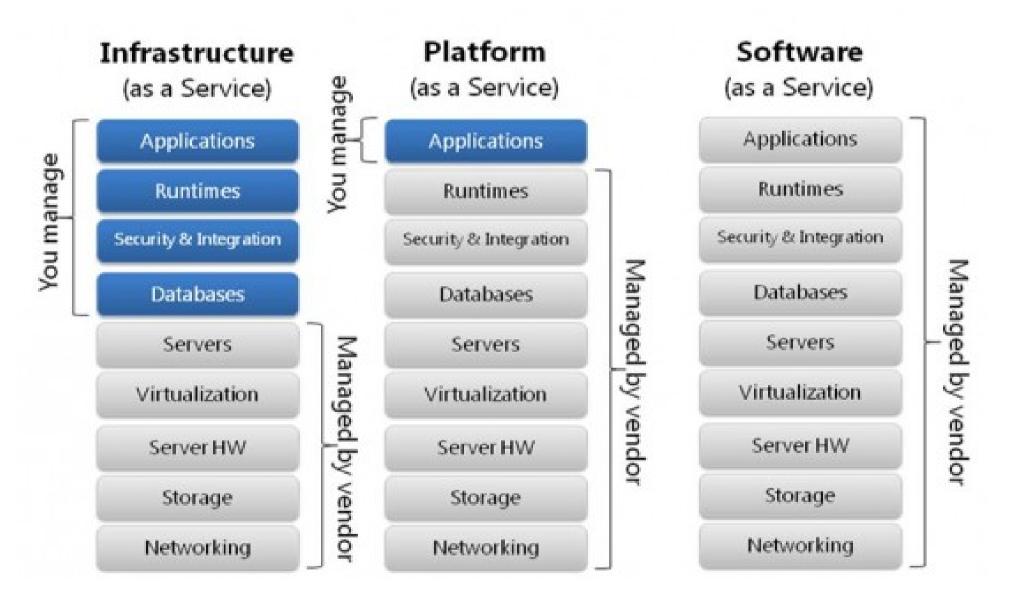


















Without PaaS?!



How to Build an App:

Have an idea Get budget Submit hardware acquisition request Wait Get hardware Deploy framework/appserver/database Deploy testing tools Test testing tools Code, test, repeat Configure Prod servers (and buy them if needed) Push to Prod Security work I aunch Order more servers to meet demand Wait Deploy new servers Scale PyCon 2012





Without PaaS?!



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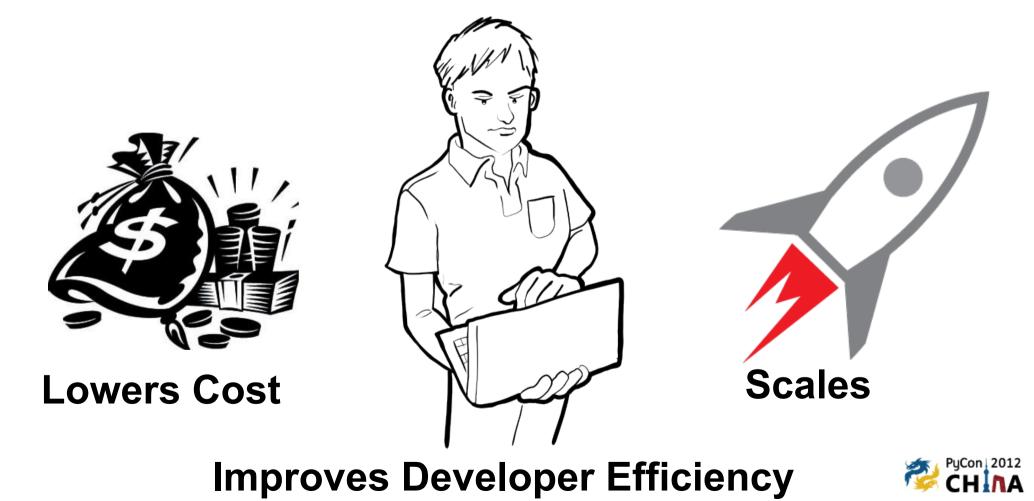
THE PLATFORM TO LAUNCH YOUR BIGGEST IDEAS







Why choose PaaS











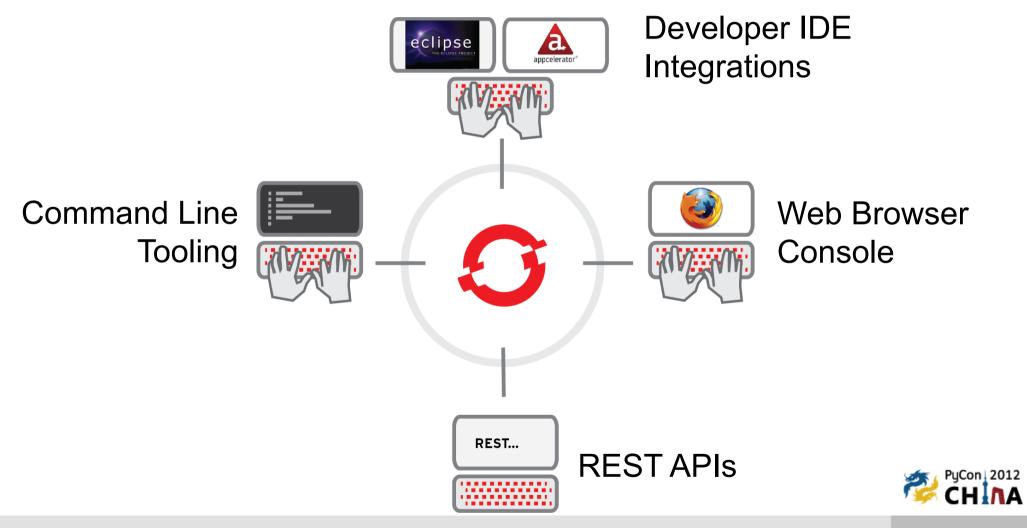








Developers Choose How To Work with OpenShift







Sign up!

openshift.com

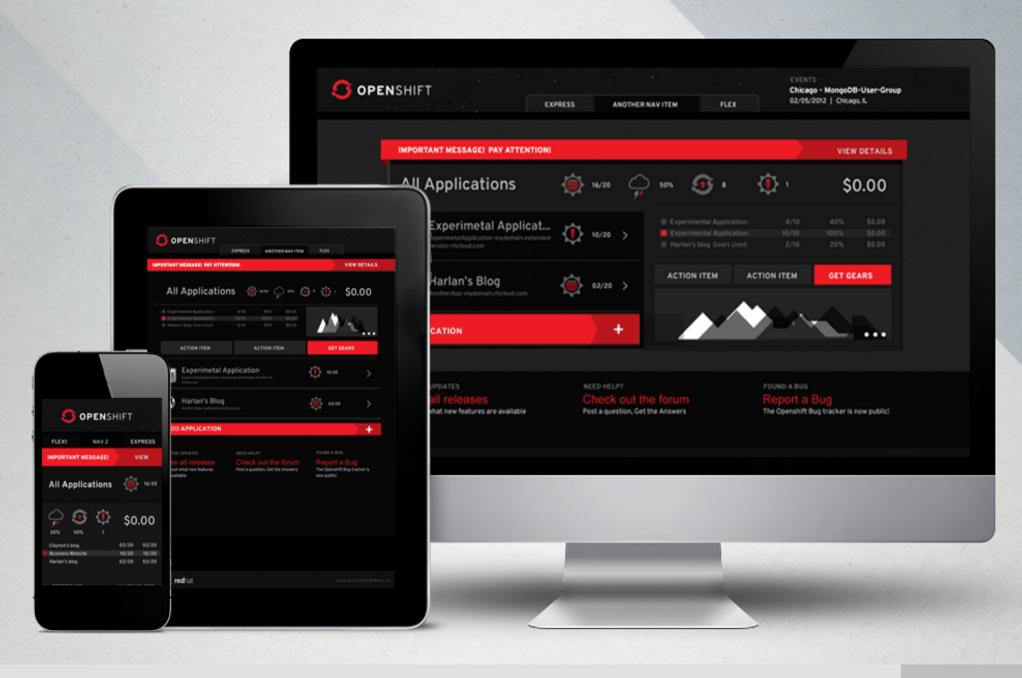
Promo Code: PYCONCHINA













Are You a Command-Line Fan? OpenShift's RHC CLI Tools

gem install rhc

1.Create App

rhc app create -a pythonapp -t python-2.6

2.Add MongoDB

rhc app cartridge add -a pythonapp -c mongodb-2.0

3. Add files to your repo directory





Are You a Command-Line Fan? OpenShift's RHC CLI Tools

1.Add the code to git
 git add . && git commit -a

2. Push your code git push

3.Done

OPENSHIFT





And, of Course, a Powerful Eclipse IDE Integration

🖨 Java - demo3/src/main/webapp/index.html - Eclipse		
File Edit Source Navigate Search Project I	tun Window Help	
	• • • • • • • • • • • • • • • • • • • •	(
Package Explorer 🛛 🗌 🗖	🖹 🗉 🖨 New OpenShift Application	
E	Setup OpenShift Application Enter a name and select a type for your new OpenShift application.	OPENSHIFT
	Use existing application: New application Name: coolapp Type: jbossas-7 Gear profile: small Embeddable Cartridges	Browse
	mongodb-2.0 cron-1.4 mysql-5.1 postgresql-8.4 haproxy-1.4 10gen-mms-agent-0.1 phpmyadmin-3.4 metrics-0.1 jenkins-client-1.4	Select All



PyCon 2012



Partnerships

Focused on developer acquisition



Each reaching >1M developers Want association with Red Hat brand & field in exchange for developers

Not yet ready for partners who want us to drive business for them (i.e. EnterpriseDB, New Relic)







Best of OSS Innovation

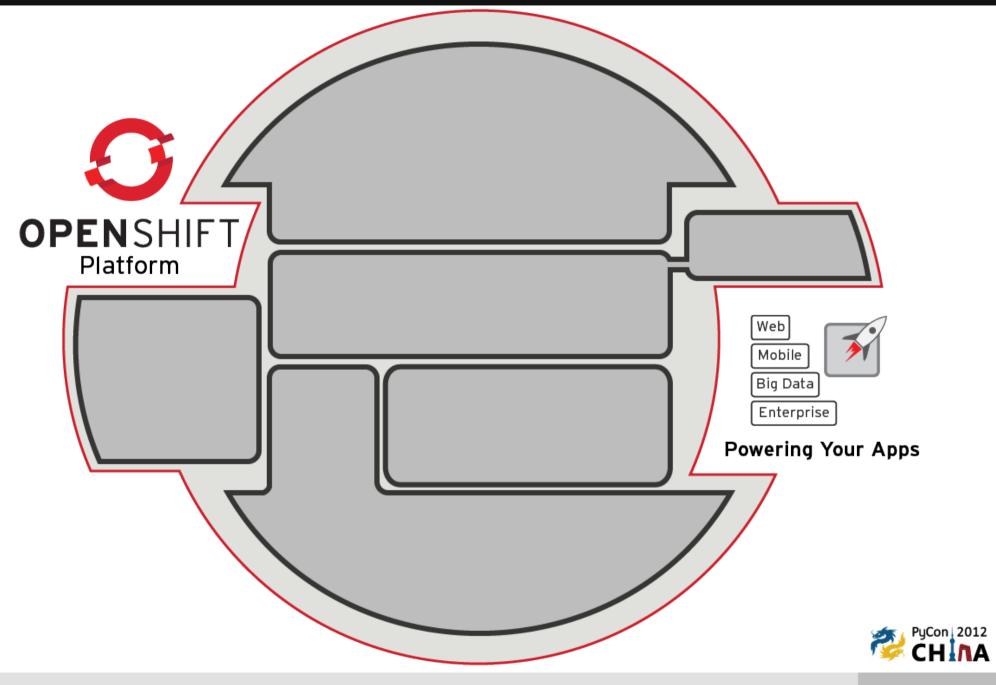




PyCon 2012

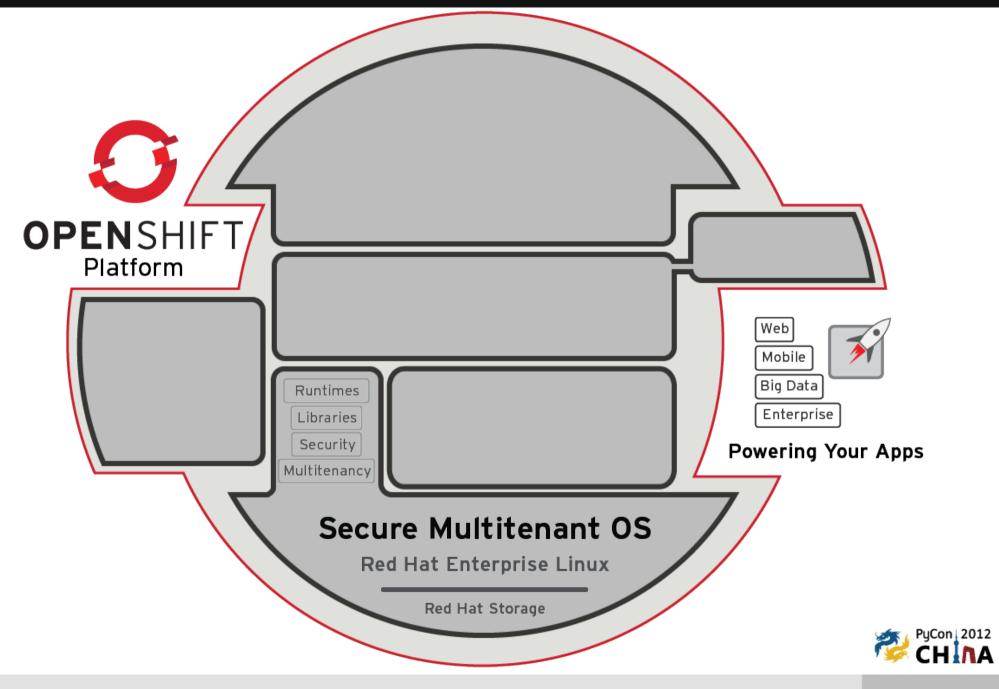
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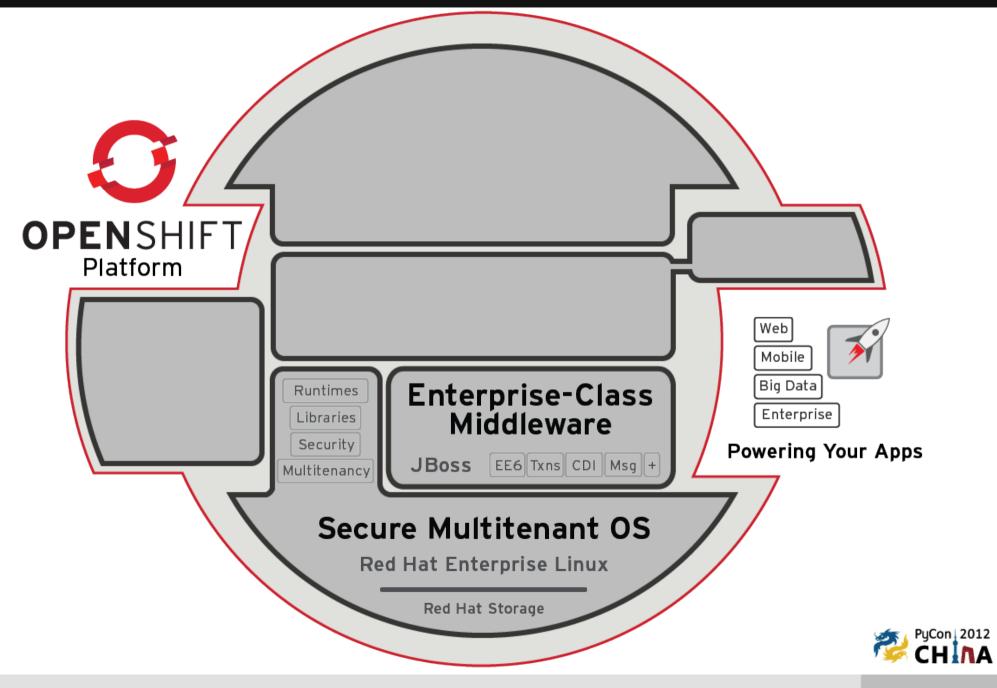






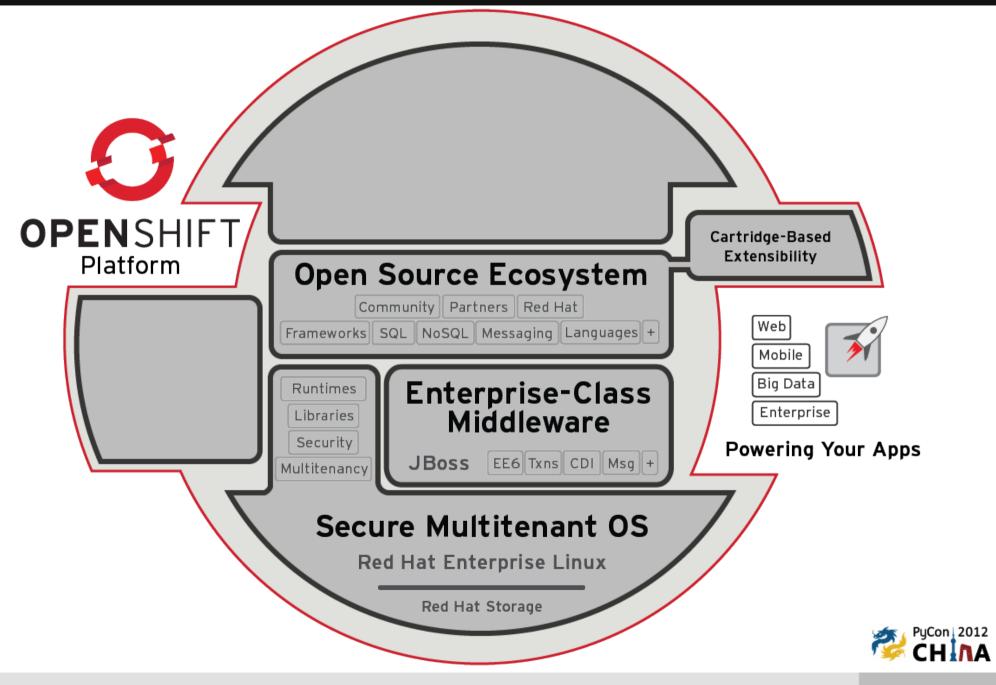






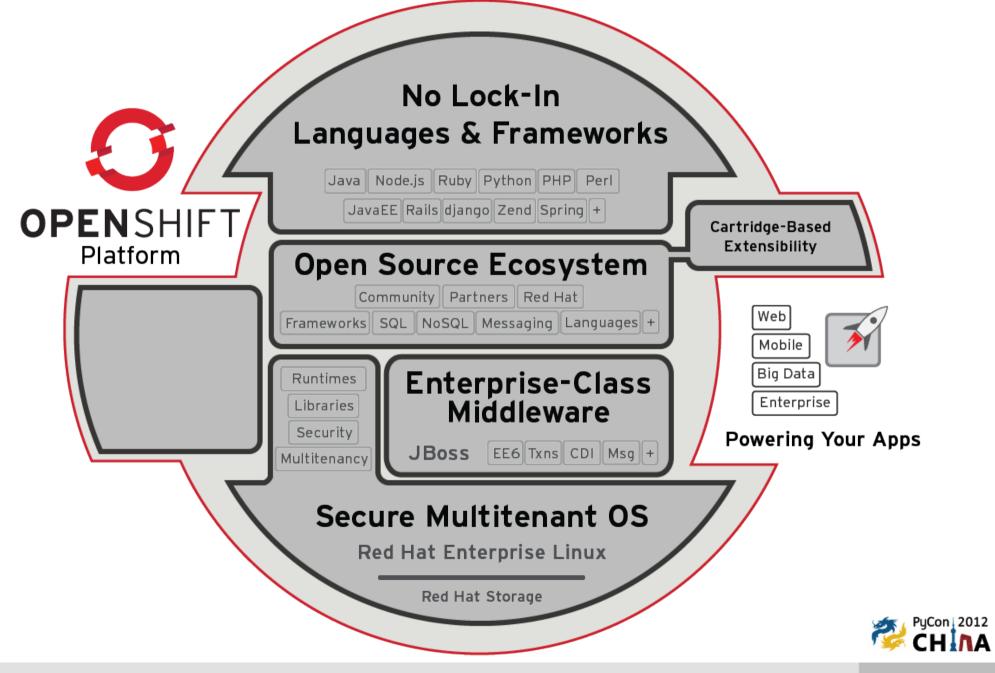






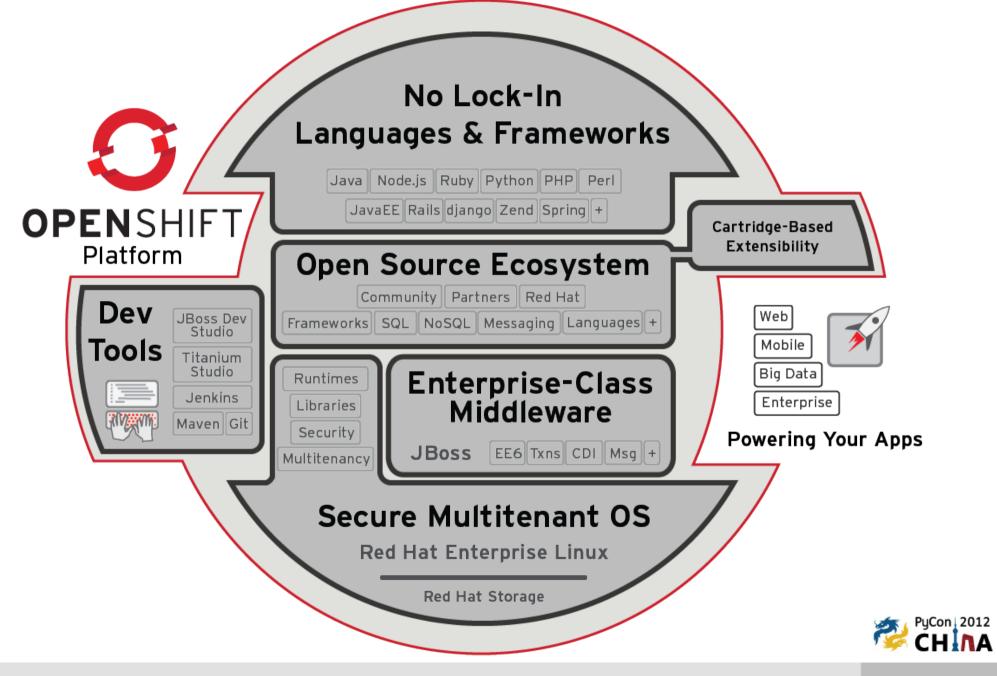
















How OpenShift Works









OpenShift is a PaaS on top of Infrastructure

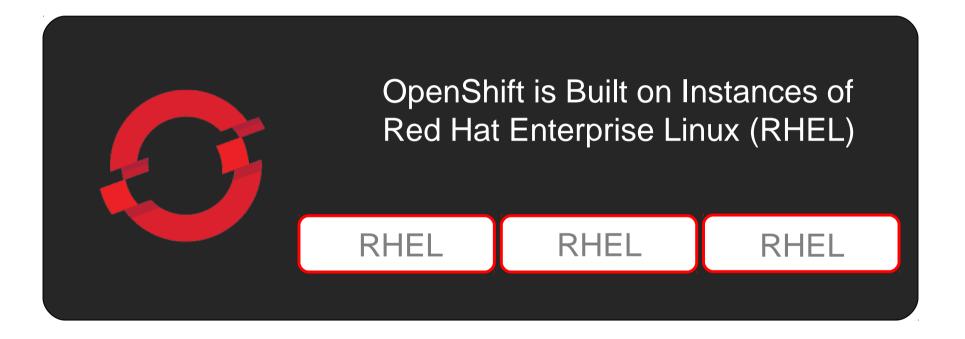








The Foundation of OpenShift is Red Hat Linux









Unique SELinux Approach Enables Security and Multi-tenancy

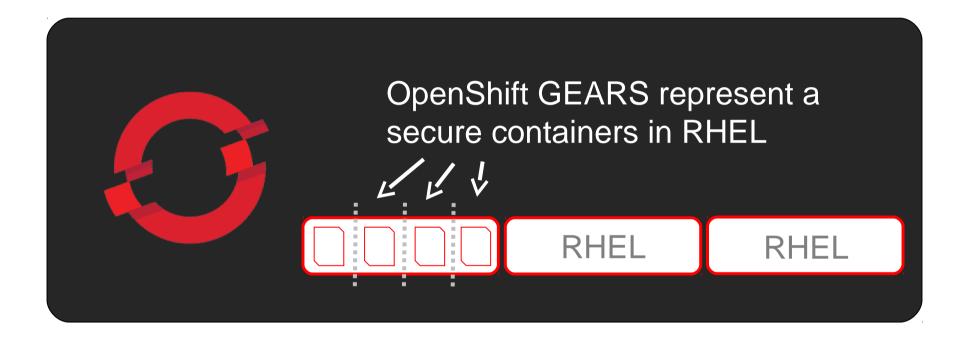








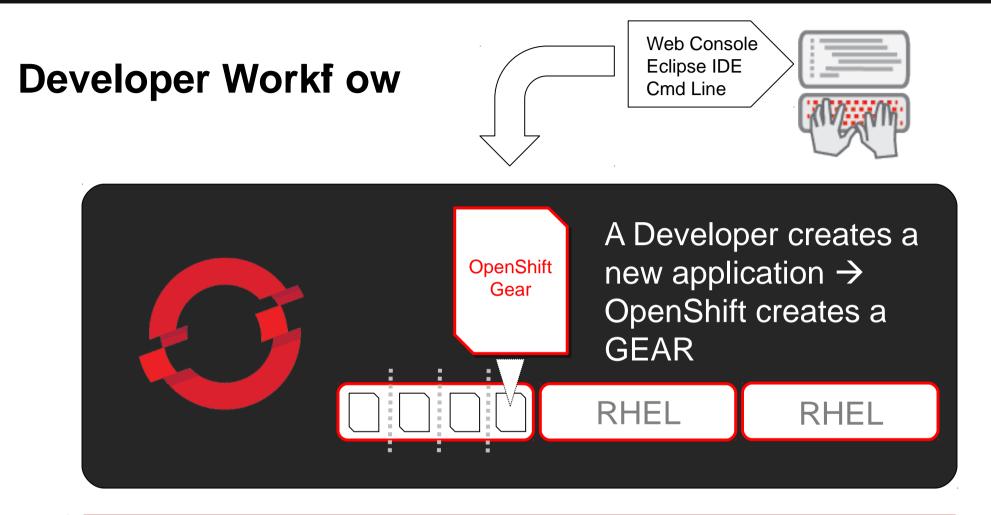
OpenShift User Applications Run in OpenShift Gears









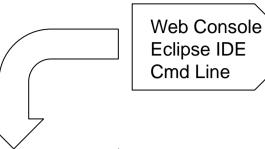


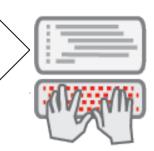


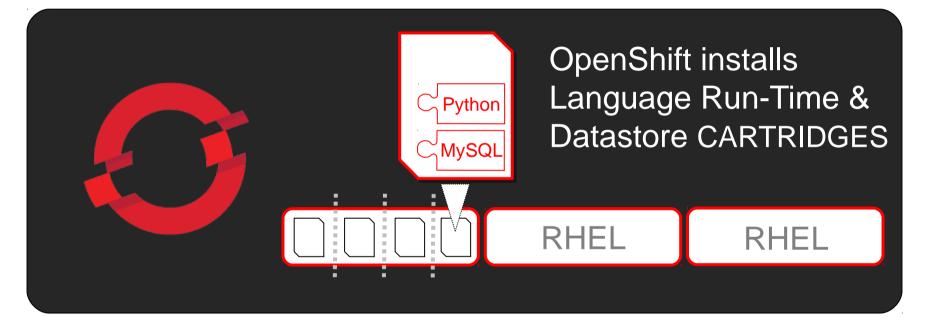










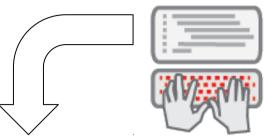


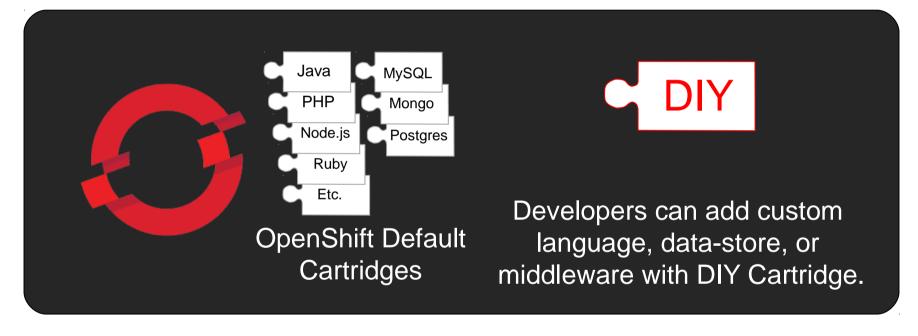




OpenShift Cartridge System Enables User-Built Cartridges

OPENSHIFT



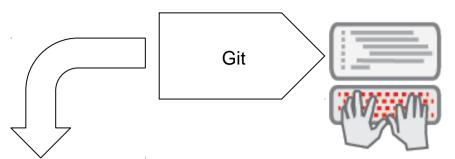


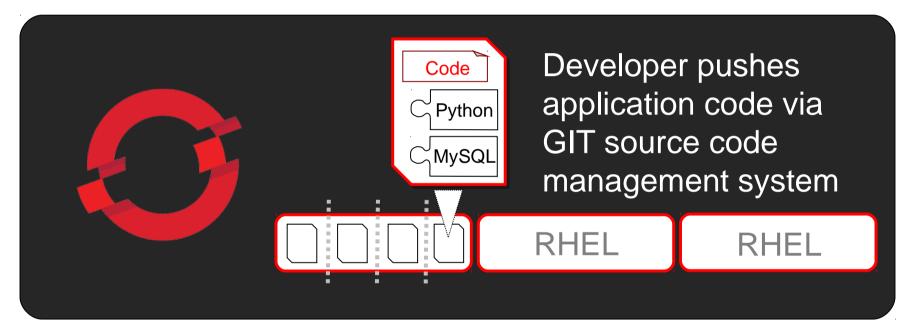






With Gear Conf gured, Developers Simply Code and Push



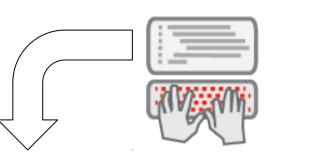


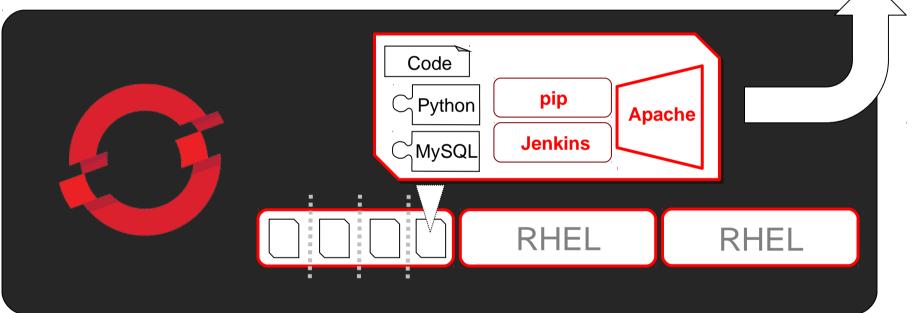






OpenShift Automates Build, Test, Publish



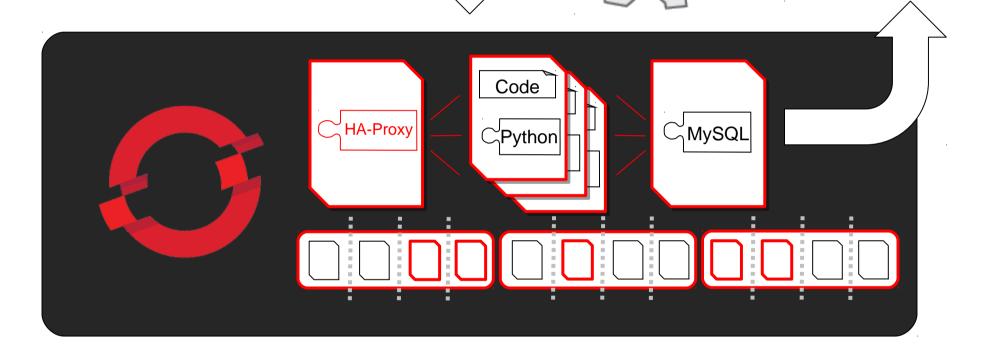








OpenShift Automates Application Scaling!







OpenShift Origin – The Open Source Project

https://openshift.redhat.com/community/open-source

The open sourcing of the OpenShift PaaS platform

- •Apache 2.0 License •Available as:
 - Source, RPMs
 - .ISO, LiveCD (run your own)









Need more?

IRC: freenode #openshift Community: <u>https://openshift.redhat.com/</u> Email: <u>openshift@redhat.com</u> Facebook/Twitter/微博: @openshift Codes: http://github.com/openshift







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