

JUDCon

JBoss Users & Developers Conference

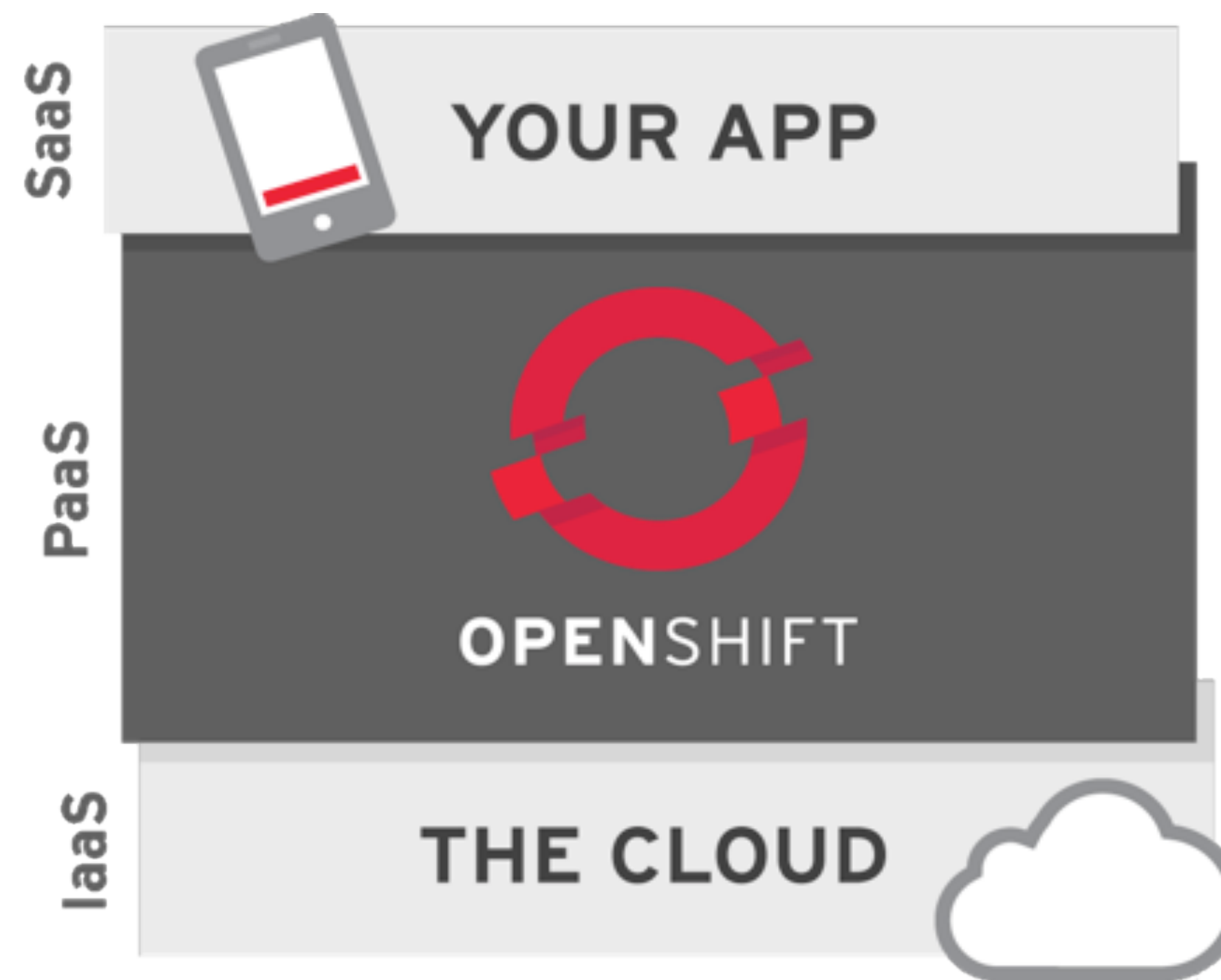
2012: Boston

Deployment of Java EE6 apps on OpenShift made easy

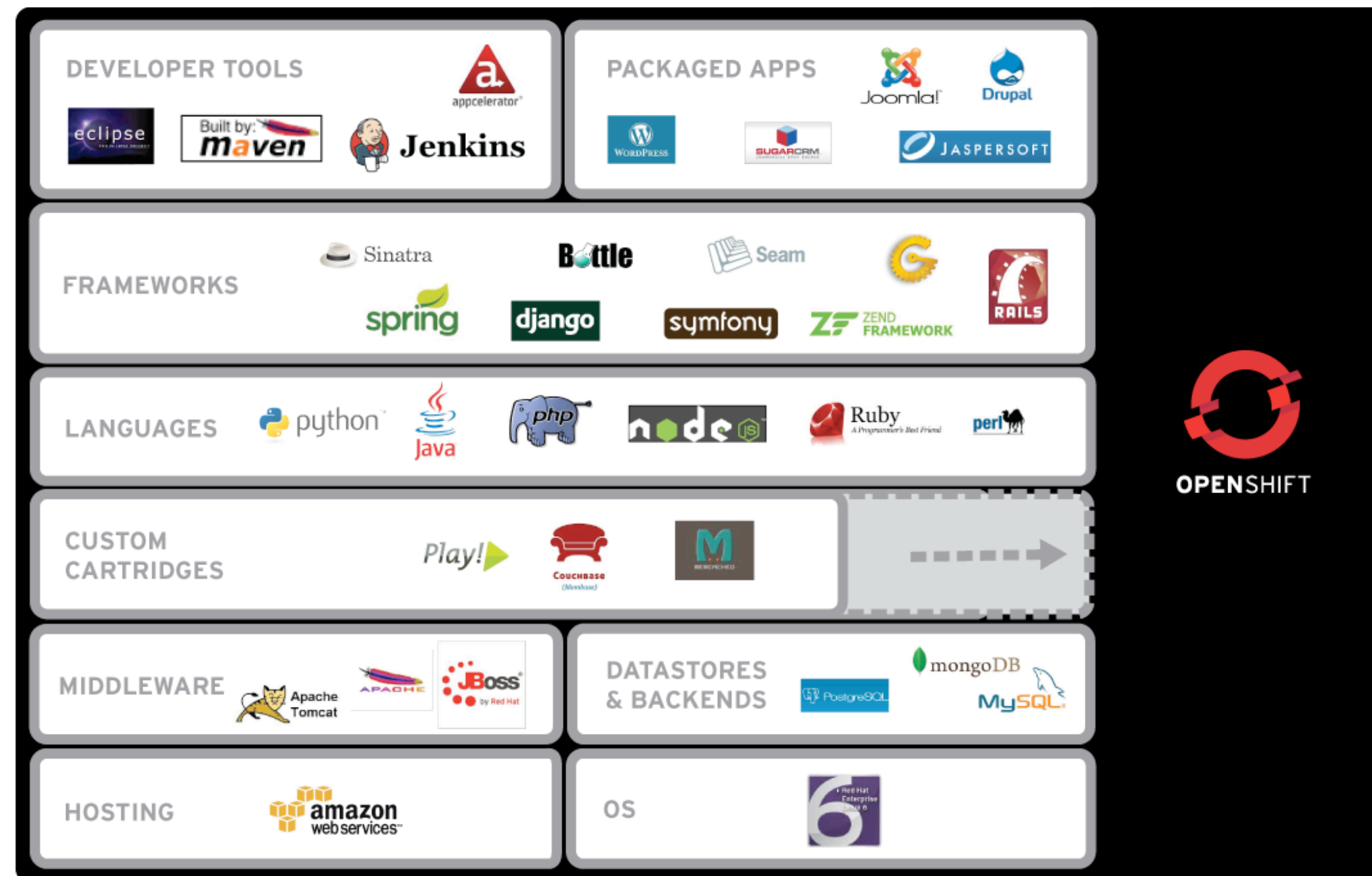
Xavier Coulon, Red Hat
@xcoulon

What is OpenShift ?

Red Hat's free, auto-scaling Platform as a Service (PaaS) for applications in the cloud.



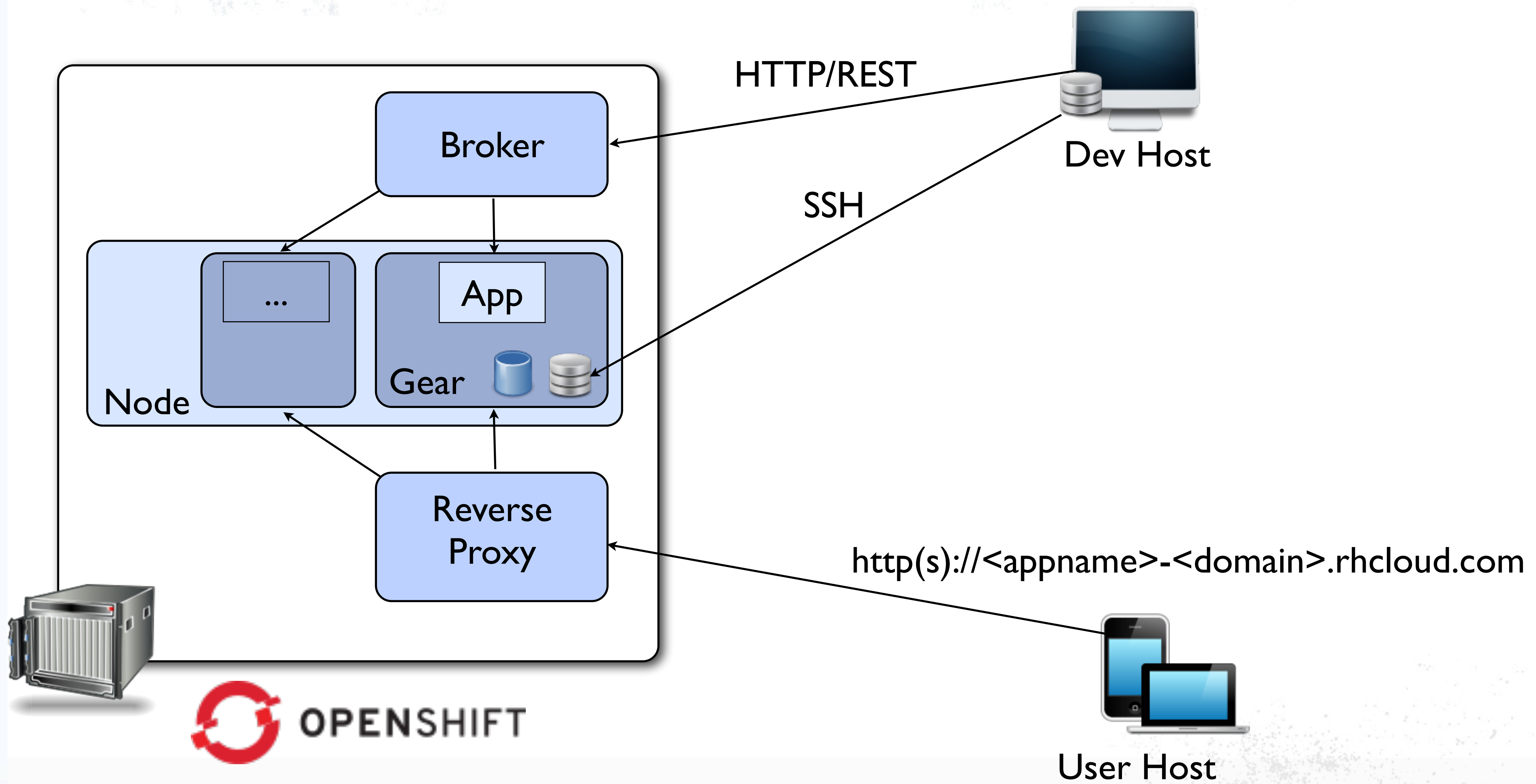
What is supported on OpenShift ?



OpenShift is Open Source

The screenshot shows the GitHub profile for the OpenShift organization. The browser address bar displays 'https://github.com/openshift'. The page header includes the GitHub logo, a search bar, and navigation links for 'Explore', 'Gist', 'Blog', and 'Help'. The user 'xcoulon' is logged in. The organization name 'openshift (OpenShift Origin)' is prominently displayed, along with the note 'You are a member of this Organization!'. Below this, the organization's email 'openshift@redhat.com' and membership date 'May 16, 2011' are shown. Statistics indicate 51 Public Repos, 0 Private Repos, and 28 Members. The 'Repositories (51)' section features a search bar and tabs for 'All Repositories', 'Public', 'Private', 'Sources', 'Forks', and 'Mirrors'. Two repositories are highlighted: 'crankcase' (Ruby, 168 views, 46 forks) and 'os-client-tools' (Ruby, 80 views, 21 forks). The 'Organization Members (28)' section lists members such as adetish, anagy, blentz, danmcp, fabianofranz, fotioslindiakos, gshiple, ironcladlou, and J5, each with their profile picture and repository/follower counts.

10,000 feet overview



User Host

Which tools for OpenShift ?

Which tools for OpenShift ?

The screenshot shows a web browser window with the URL `https://openshift.redhat.com/app/account`. The page title is "My Account | OpenShift by R". The navigation bar includes "Community", "Developer Center", and a user profile "xcoulon@redhat.com". The main navigation menu has "My Applications", "Create Application", "Help", and "My Account".

My Account

Personal Information

OpenShift currently allows access via an existing Red Hat account or through an account created with your e-mail and password.

Login	Account Type
xcoulon@redhat.com	Red Hat ↗

[Change password...](#)

Public Keys

OpenShift uses public keys to securely encrypt the connection between your local machine and your application and to authorize you to upload code. You must create a private and public key on your local machine and then upload the public key before you can connect to your applications' Git repositories. [Read our User Guide topic on keys.](#)

default	AAAB3Nza..gNBARYU3	Delete
---------	--------------------	------------------------

[Add a new key...](#)

Namespace

Your namespace is unique to your account and is the suffix of the public URLs we assign to your applications. See [the User Guide](#) for information about adding your own domain names to an application.

`http://applicationname-xcoulon.rhcloud.com`

[Change your namespace...](#)

Which tools for OpenShift ?

```
xcoulon in /Users
xcoulon@macbook:~$ rhc domain show
Password:

User Info
=====
Namespace: xcoulon
RHLogin: xcoulon@redhat.com

Application Info
=====
myapp20
  Framework: jbossas-7
  Creation: 2012-06-08T18:04:04-04:00
  UUID: c6f55f9d2b53469092a899b5dea4fa7b
  Git URL: ssh://c6f55f9d2b53469092a899b5dea4fa7b@myapp20-xcoulon.rhcloud.com/~/.git/myapp20.git/
  Public URL: http://myapp20-xcoulon.rhcloud.com/

Embedded:
  None

test7
  Framework: jbossas-7
  Creation: 2012-05-16T06:12:59-04:00
  UUID: 031292521b8a460aa48dd5040c746468
  Git URL: ssh://031292521b8a460aa48dd5040c746468@test7-xcoulon.rhcloud.com/~/.git/test7.git/
  Public URL: http://test7-xcoulon.rhcloud.com/

Embedded:
  mongodb-2.0 - Connection URL: mongodb://127.2.46.1:27017/
```


Which tools for OpenShift ?

The screenshot displays the Eclipse IDE interface with the following components:

- Project Explorer:** Shows a project structure.
- OpenShift Explorer:** A panel for managing OpenShift resources.
- JBoss Central:** The main content area, featuring:
 - Create Projects:** Links to Dynamic Web Project, Java EE Web Project, HTML5 Project, Spring MVC Project, OpenShift Application, Java EE Project, RichFaces Project, and GWT Web Project.
 - Project Examples:** JBoss Quickstarts.
 - Documentation:** New and Noteworthy, Reference, FAQ, Screenscasts, User Forum, Developer Forum, Wiki, and Issue Tracker.
 - Settings:** A checkbox for "Show on Startup".
 - Getting Started:** Software/Update.
 - News:** A list of recent articles and blog posts.
 - Blogs:** A section for blog entries.
- Task List:** A panel for managing tasks, with a search bar and "All" and "Activate..." buttons.
- Connect Mylyn:** A notification to connect to task and ALM tools.
- Bottom Bar:** Includes Markers, Properties, Data Source Explorer, Snippets, Progress, Console, and Error Log.
- Table:** A table with columns: Description, Resource, Path, Location, and Type. It currently shows "0 items".
- Status Bar:** Shows "0 items selected".

Time for live demo !



Features Summary

Features Summary

- Domain and Applications management

Features Summary

- Domain and Applications management
- Server Adapter for “git commit & push” of sources (and binaries)

Features Summary

- Domain and Applications management
- Server Adapter for “git commit & push” of sources (and binaries)
- Show environment variables

Features Summary

- Domain and Applications management
- Server Adapter for “git commit & push” of sources (and binaries)
- Show environment variables
- Tail log files

Features Summary

- Domain and Applications management
- Server Adapter for “git commit & push” of sources (and binaries)
- Show environment variables
- Tail log files
- Port-forwarding for remote debugging and remote data access

What's next ?

What's next ?

- Support for Instant Applications

What's next ?

- Support for Instant Applications
- Support for multiple platforms

What's next ?

- Support for Instant Applications
- Support for multiple platforms
- Even more Application Management (start/stop/restart)

What's next ?

- Support for Instant Applications
- Support for multiple platforms
- Even more Application Management (start/stop/restart)
- Easier Application Debugging

What's next ?

- Support for Instant Applications
- Support for multiple platforms
- Even more Application Management (start/stop/restart)
- Easier Application Debugging
- Application Snapshot (backup is not a feature on OpenShift)

Links

JBoss Tools / JBoss Developer Studio:

- Download: jboss.org/tools
- IRC: #jbosstools
- JIRA: issues.jboss.org/browse/JBIDE
- Twitter: @jbosstools

OpenShift:

- <http://openshift.com>

Special Thanks

Special Thanks

André Dietisheim

Rob Stryker

Max Rydahl Andersen

JBDS QE Team

OpenShift Team

Don't miss

Don't miss

Deploying the JBoss Portfolio to the Cloud
(Bill DeCoste - tomorrow 11am - track 2)

Don't miss

Deploying the JBoss Portfolio to the Cloud
(Bill DeCoste - tomorrow 11am - track 2)

Making developers life easier with JBoss Developer Studio
(Max Rydahl Andersen - tomorrow 2pm - track 1)

Thank you !

Q / A