Wildfly and OpenShift with NetBeans

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Developer

Who am I ?

Jug-leader at AlpesJug

Core Developer on the WildFly project

Netbeans WildFly plugin

“Living on a razor's edge
Balancing on a ledge”

redhat.

redhat.

www.netbeans.org

185 MB

v8.0.2

redhat.

WildFly

www.wildfly.org

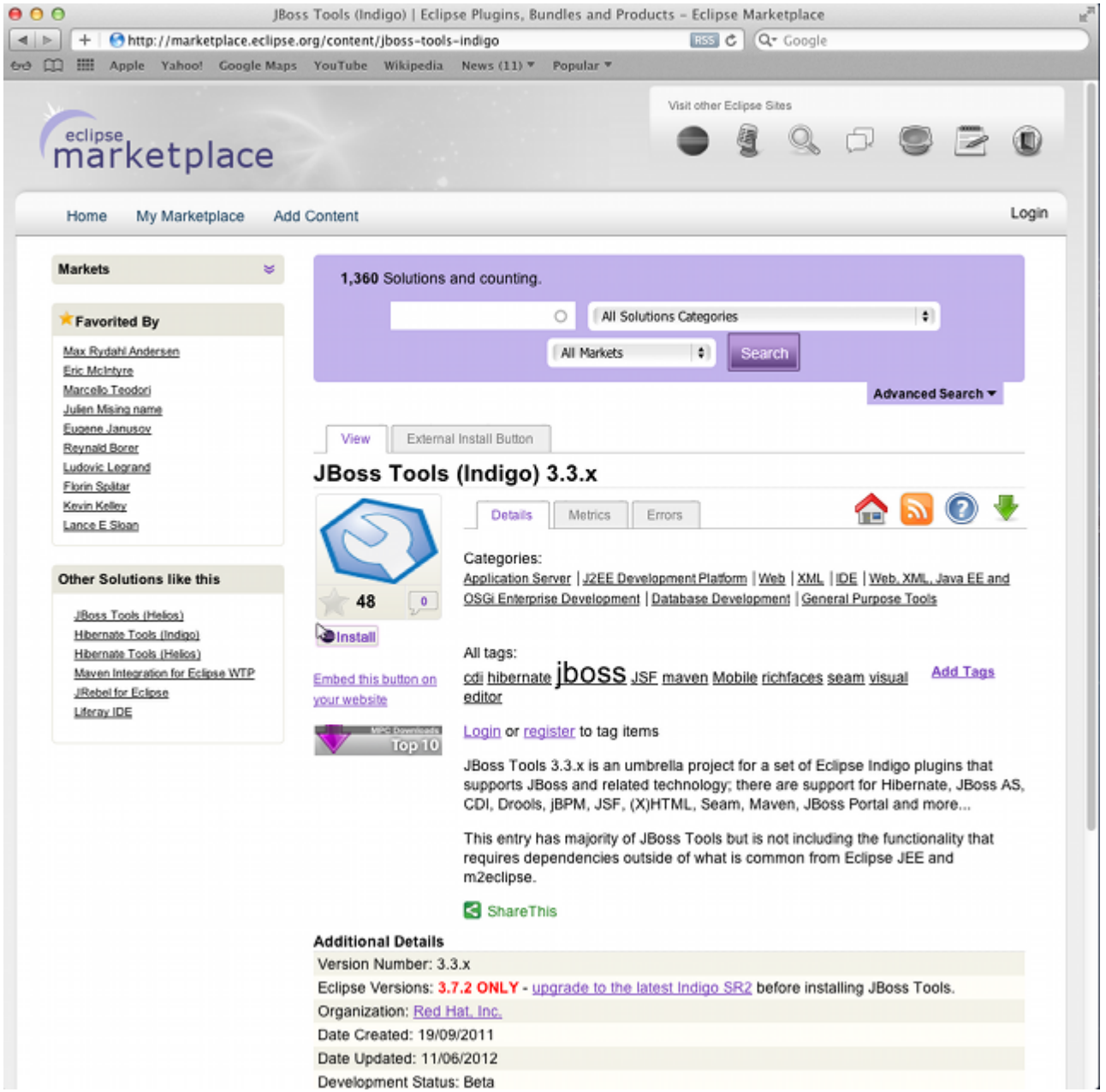
129 MB

V8.2.0/ 9.0 ?

redhat.

https://www.openshift.com/app/account/new

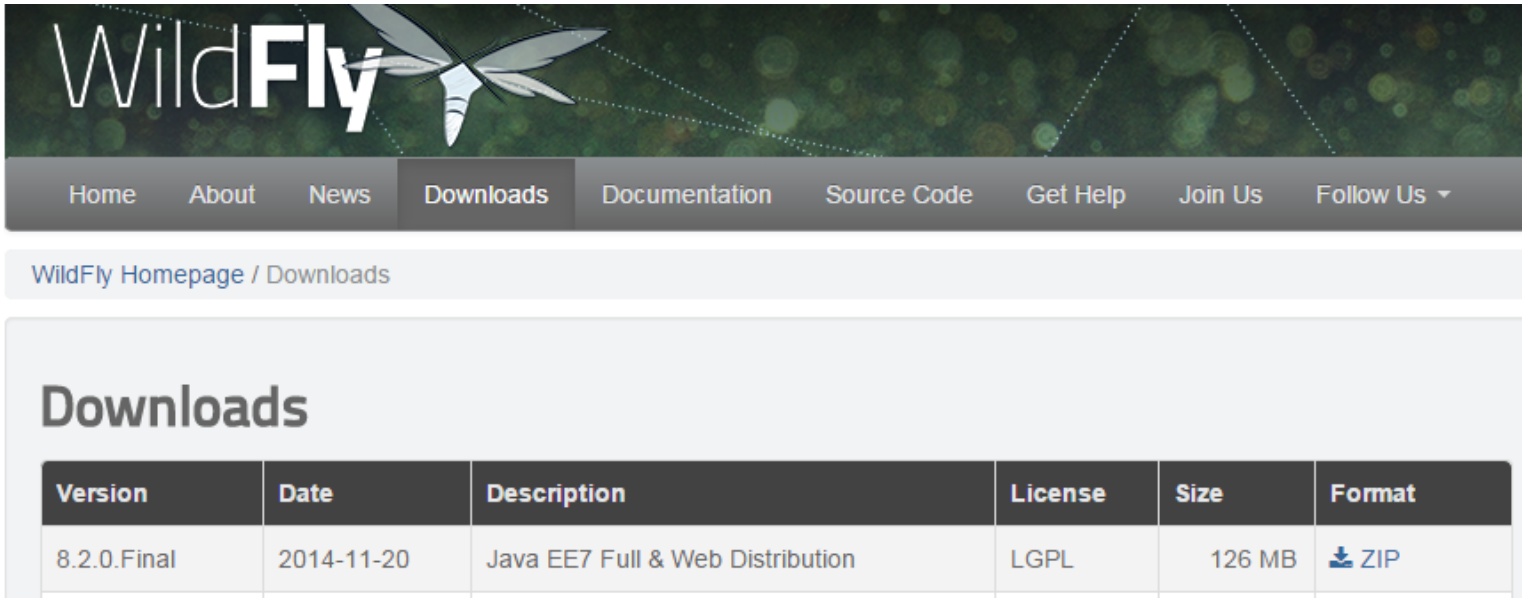
Official Jboss Tooling is Eclipse based :-/



redhat.

redhat.

Local WildFly

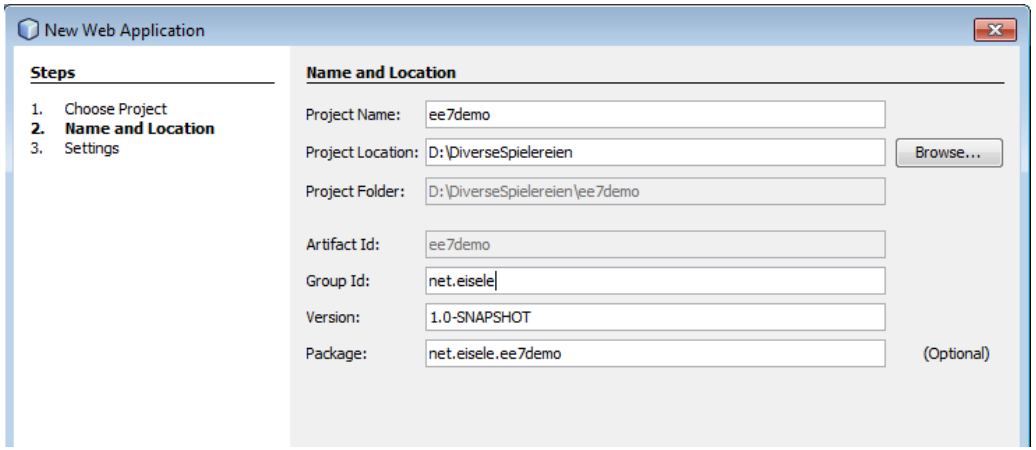


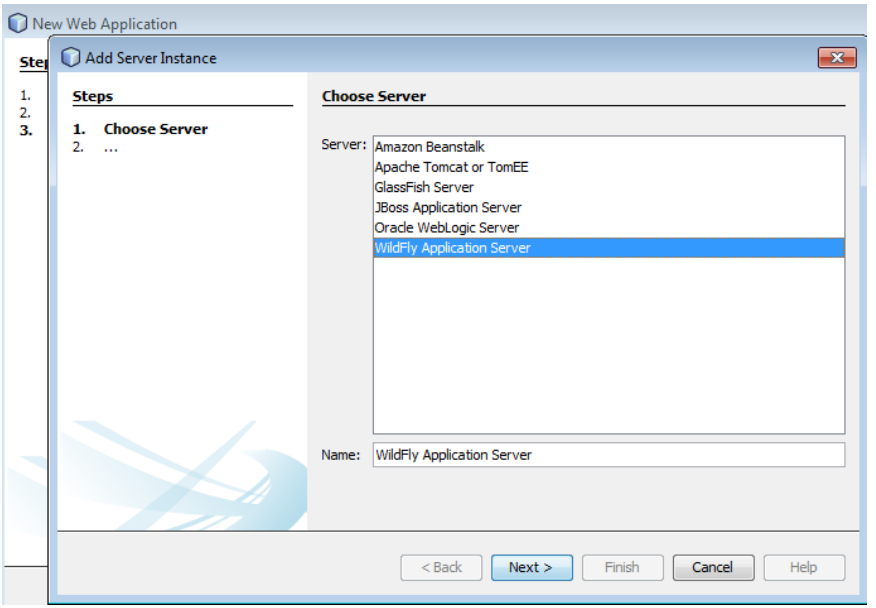
redhat.

Install = Unzip

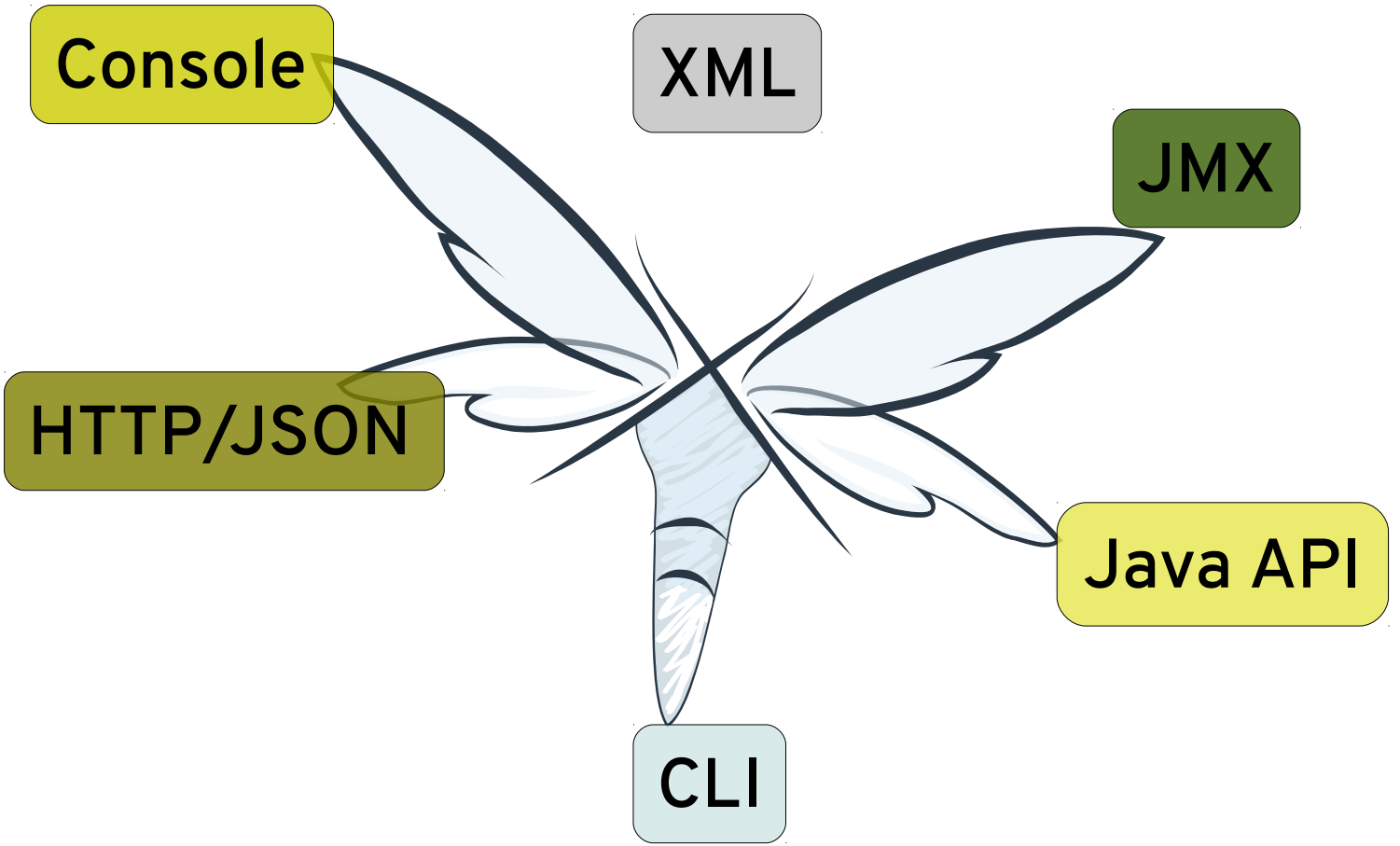
redhat.

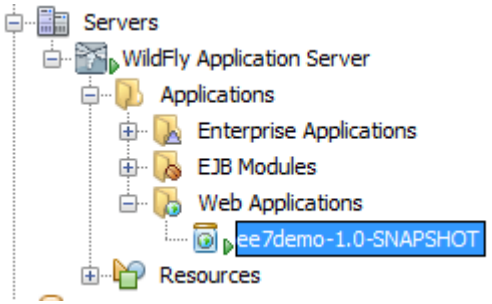
NetBeans WildFly Plugin





redhat.


Console
XML
JMX
HTTP/JSON
Java API
CLI



WildFly Application Server | Run (ee7demo)

```
07:01:04,788 INFO  [org.hibernate.validator.internal.util.Version] (MSC service thread 1-1) HV000001: Hibernate Validator 5.1.3.Final
07:01:05,114 INFO  [org.jboss.as.ejb3.deployment.processors.EjbJndiBindingsDeploymentUnitProcessor] (MSC service thread 1-1) JNDI binding

        java:global/ee7demo-1.0-SNAPSHOT/Hello!net.eisele.ee7demo.Hello
        java:app/ee7demo-1.0-SNAPSHOT/Hello!net.eisele.ee7demo.Hello
        java:module/Hello!net.eisele.ee7demo.Hello
        java:global/ee7demo-1.0-SNAPSHOT/Hello
        java:app/ee7demo-1.0-SNAPSHOT/Hello
        java:module/Hello

07:01:05,283 INFO  [org.jboss.weld.deployer] (MSC service thread 1-2) JBAS016005: Starting Services for CDI deployment: ee7demo-1.0-SNAPS
07:01:05,317 INFO  [org.jboss.weld.Version] (MSC service thread 1-2) WELD-000900: 2.2.6 (Final)
07:01:05,350 INFO  [org.jboss.weld.deployer] (MSC service thread 1-6) JBAS016008: Starting weld service for deployment ee7demo-1.0-SNAPSH
07:01:06,339 INFO  [org.wildfly.extension.undertow] (MSC service thread 1-4) JBAS017534: Registered web context: /ee7demo-1.0-SNAPSHOT
07:01:06,521 INFO  [org.jboss.as.server] (DeploymentScanner-threads - 2) JBAS018559: Deployed "ee7demo-1.0-SNAPSHOT.war" (runtime-name :
```


redhat.

Current Status

Configuration of the management port

WildFly 9 support

redhat.

Future

Remote WildFly ?

Domain Mode WildFly ?

Launching the jboss-cli or scripts from the plugin.

Fixing the Windows Issues ;)

redhat.

It is FREE. Give it a try.

OPENSHIFT®
by Red Hat®

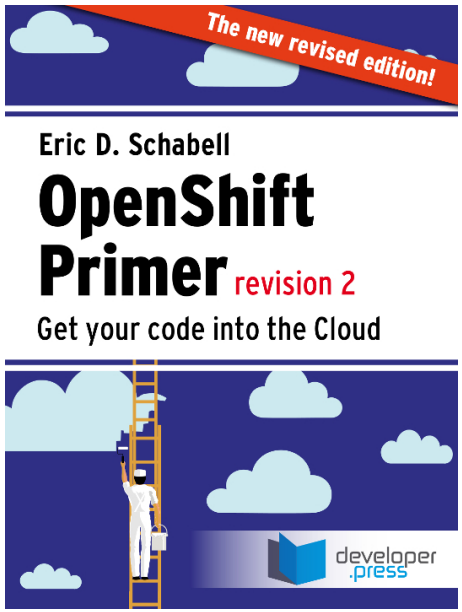
https://www.openshift.com/app/account/new

A little OpenShift History

- Nov 2010: Makara acquired
- In 2011: merged into OpenShift project
- May 2012: Open Sourced
- Dec 2012: OpenShift Primer (e-book)
- 2013: Online Public PaaS / Enterprise Private PaaS / xPaaS Services
- Apr 2014: OpenShift Primer revision 2 (e-book)
- June 2014: OpenShift Online Market Place, extend reach to LTAM / APAC
- Sep 2014: European hosting
- Coming soon: v3 with Docker, Kubernetes, etc...

redhat.

Learn even more.



https://www.parleys.com/play/52aedc3fe4b0cc758a75808d/chapter0/about

http://developerpress.com/OpenShiftPrimerRevision2-175421

1 Gear = 500 Memory + 1 GB Storage

Free = 3 gears = 3 applications

redhat.

OpenShift Online Plans

Your Plan

Free

OpenShift offers a ton of features for free.

Included Gears	3 small gears
Max Gears	3
Gear Sizes	small
Supported By	Community
Scaling	Yes (3 min / 3 max)
Storage	1GB per gear
SSL	Shared
Teams	Not included
JBoss EAP 6	Included

See details...

Looking to Upgrade?

Bronze — No monthly fee

Get more with the Bronze plan

Included Gears	3 small gears
Max Gears	16
Gear Sizes	small ($0.02/hour) small.highcpu ($0.025/hour) medium ($0.05/hour) large ($0.10/hour)
Supported By	Community
Scaling	Yes (3 min / 16 max)
Storage	1GB per gear; $1.00/month per additional GB
SSL	For custom domains
Teams	Up to 15
JBoss EAP 6	3 gears free; $0.03/hr per additional gear

Upgrade to Bronze

Silver — $20/Month

Go large with the Silver plan

Included Gears	3 small gears
Max Gears	16
Gear Sizes	small ($0.02/hour) small.highcpu ($0.025/hour) medium ($0.05/hour) large ($0.10/hour)
Supported By	Red Hat & Community
Scaling	Yes (3 min / 16 max)
Storage	6GB per gear; $1.00/month per additional GB
SSL	For custom domains
Teams	Up to 15
JBoss EAP 6	3 gears free; $0.03/hr per additional gear

Upgrade to Silver

redhat.

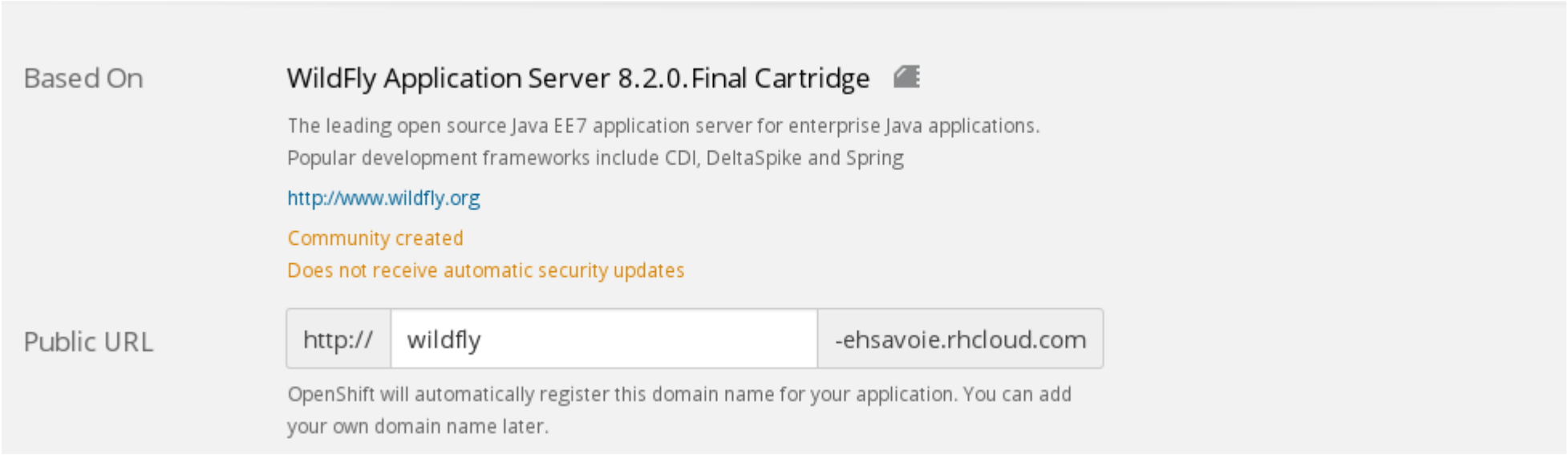
Two different kinds of “cartridges”

Officially Supported (Security Updates, et al)

Community created (just the cartridge)

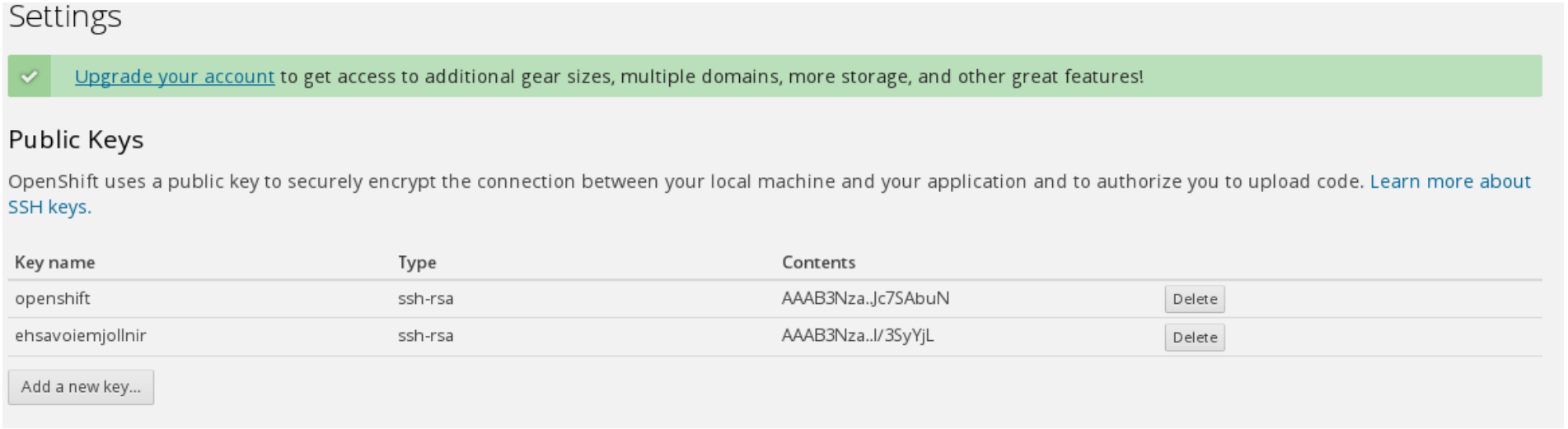
redhat.

WildFly On OpenShift



redhat.

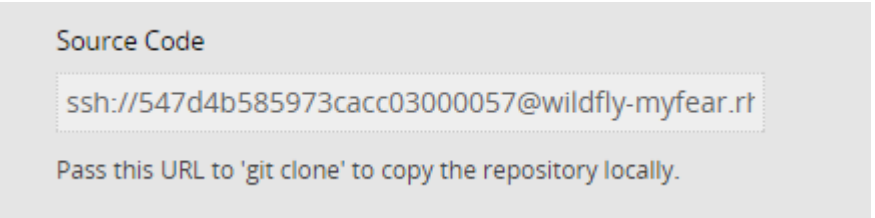
Upload SSH Keys



redhat.

Access

- Port Forwarding (rhc port-forward <APP_NAME>
- rhc git-clone <APP_NAME>
- git clone



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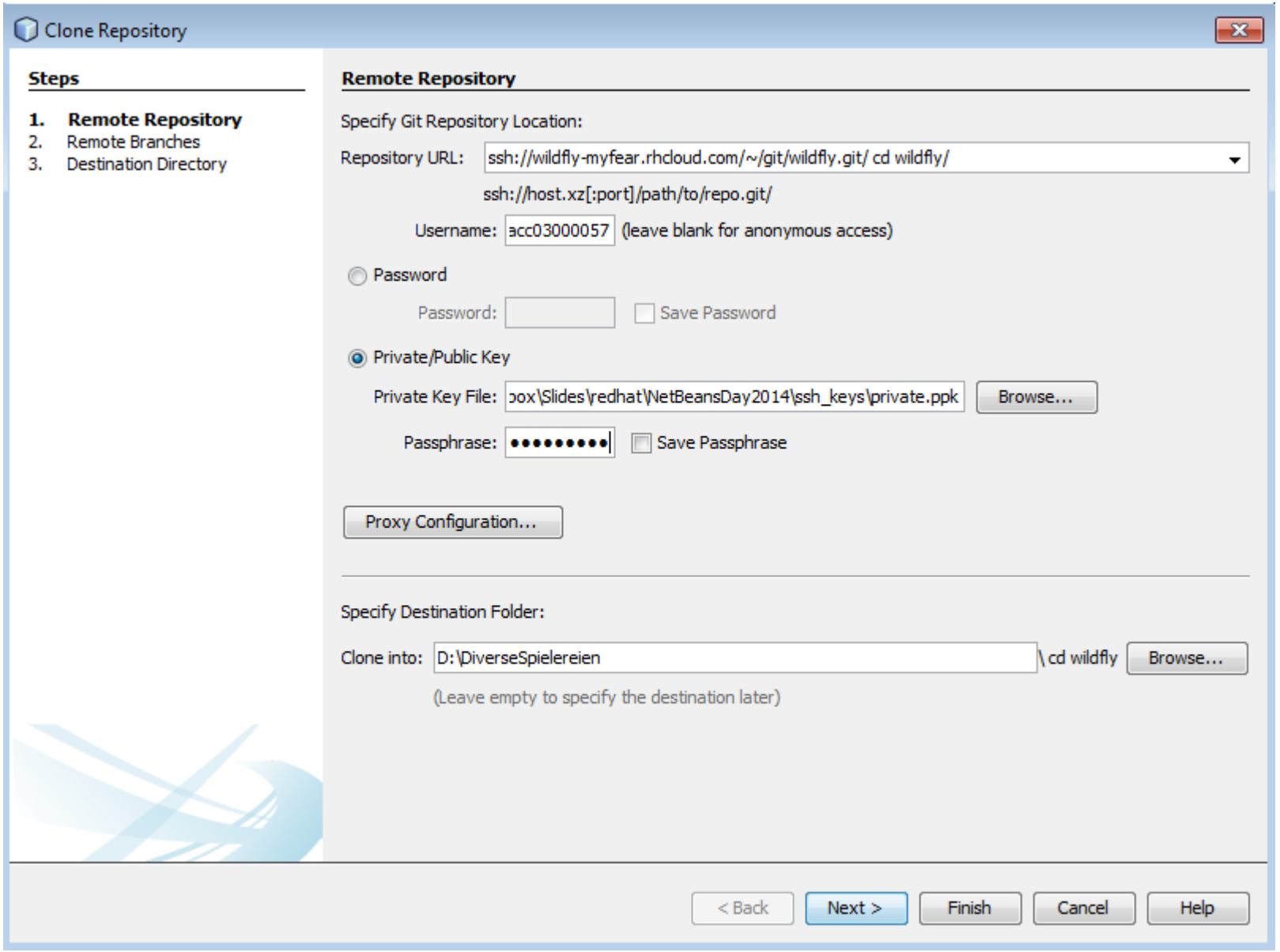
Clone Repository
Steps
1. Remote Repository
2. Remote Branches
3. Destination Directory
Remote Repository
Specify Git Repository Location:
Repository URL: ssh://wildfly-myfear.rhcloud.com/~/git/wildfly.git/ cd wildfly/
ssh://host.xz[:port]/path/to/repo.git/
Username: acc03000057 (leave blank for anonymous access)
Password
Password:
Save Password
Private/Public Key
Private Key File: ox\Slides\redhat\NetBeansDay2014\ssh_keys\private.ppk
Browse...
Passphrase:
Save Passphrase
Proxy Configuration...
Specify Destination Folder:
Clone into: D:\DiverseSpielereien \ cd wildfly
Browse...
(Leave empty to specify the destination later)
< Back
Next >
Finish
Cancel
Help

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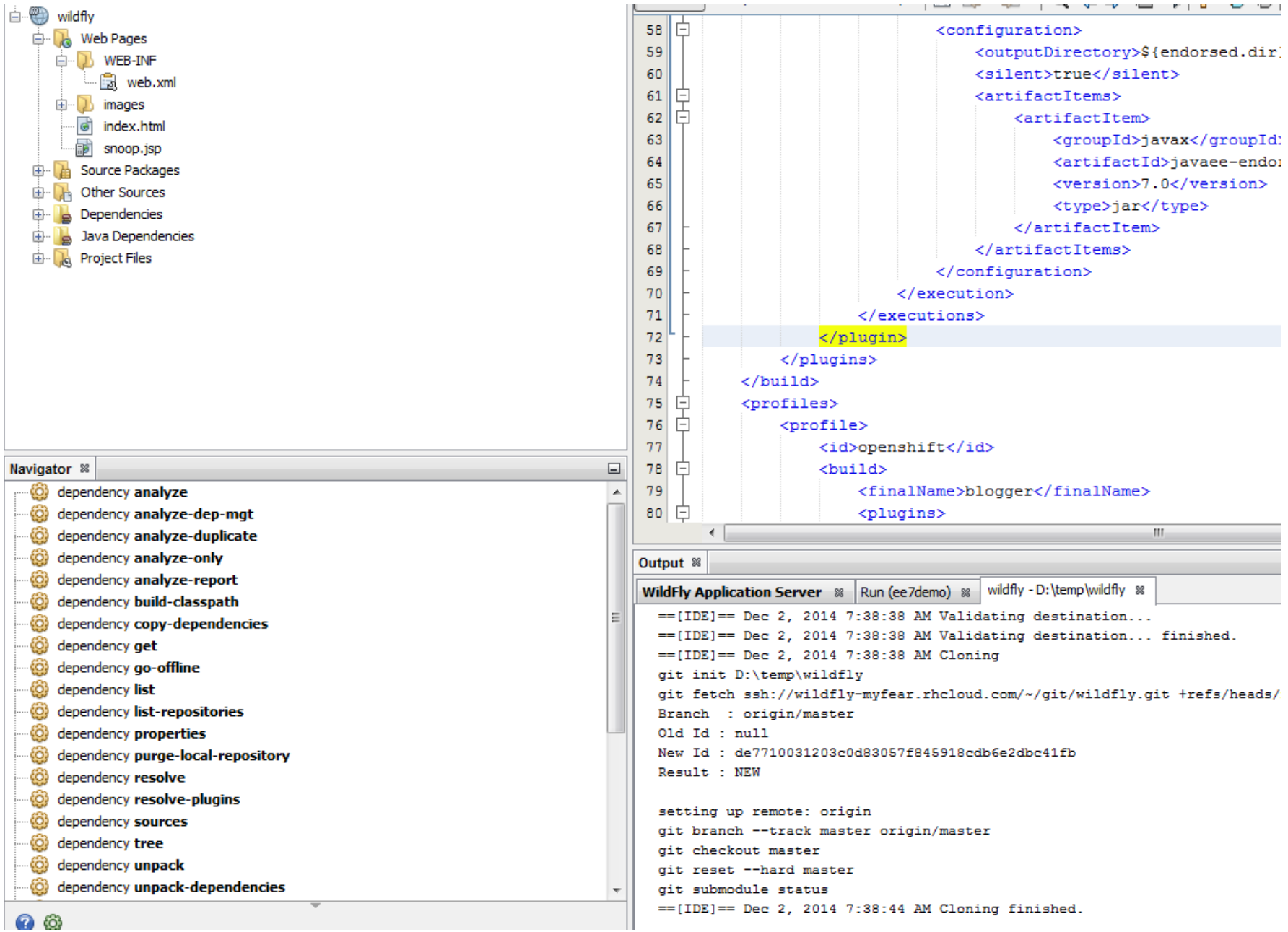
wildfly
Web Pages
WEB-INF
web.xml
images
index.html
snoop.jsp
Source Packages
Other Sources
Dependencies
Java Dependencies
Project Files
Navigator
dependency analyze
dependency analyze-dep-mgt
dependency analyze-duplicate
dependency analyze-only
dependency analyze-report
dependency build-classpath
dependency copy-dependencies
dependency get
dependency go-offline
dependency list
dependency list-repositories
dependency properties
dependency purge-local-repository
dependency resolve
dependency resolve-plugins
dependency sources
dependency tree
dependency unpack
dependency unpack-dependencies
58 <configuration>
59 <outputDirectory>${endorsed.dir
60 <silent>true</silent>
61 <artifactItems>
62 <artifactItem>
63 <groupId>javax</groupId
64 <artifactId>javaee-endo
65 <version>7.0</version>
66 <type>jar</type>
67 </artifactItem>
68 </artifactItems>
69 </configuration>
70 </execution>
71 </executions>
72 </plugin>
73 </plugins>
74 </build>
75 <profiles>
76 <profile>
77 <id>openshift</id>
78 <build>
79 <finalName>blogger</finalName>
80 <plugins>
Output
WildFly Application Server
Run (ee7demo)
wildfly - D:\temp\wildfly
==[IDE]== Dec 2, 2014 7:38:38 AM Validating destination...
==[IDE]== Dec 2, 2014 7:38:38 AM Validating destination... finished.
==[IDE]== Dec 2, 2014 7:38:38 AM Cloning
git init D:\temp\wildfly
git fetch ssh://wildfly-myfear.rhcloud.com/~/git/wildfly.git +refs/heads/
Branch : origin/master
Old Id : null
New Id : de7710031203c0d83057f845918cdb6e2dbc41fb
Result : NEW
setting up remote: origin
git branch --track master origin/master
git checkout master
git reset --hard master
git submodule status
==[IDE]== Dec 2, 2014 7:38:44 AM Cloning finished.

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Maven Plugin

```
<plugin>
    <groupId>com.worldline.maven</groupId>
    <artifactId>openshift-maven-plugin</artifactId>
    <version>0.1-SNAPSHOT</version>
    <configuration>
        <password>${openshift.password}</password>
        <domain>myfear</domain>
        <application>wildfly</application>
    </configuration>
</plugin>
```

https://github.com/worldline/openshift-maven-plugin

redhat.

OpenShift Java Client

```
<dependency>
      <groupId>com.openshift</groupId>
      <artifactId>openshift-java-client</artifactId>
      <version>2.0.0</version>
</dependency>
```

https://developer.jboss.org/wiki/Enable-openshift-ciFullExampleUsingOpenshift-java-client

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A NetBeans Plugin?

Keep an eye open on:
https://github.com/cvanball/OpenShift4NetBeans

And follow: @cvanball

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Just because you asked .. OpenShift can run all kinds of stuff.

Node.js, DIY, Jenkins, PHP, Ruby, Python, Perl

redhat.

NetBeans

OPENSHIFT
by Red Hat

Links and References

https://blog.openshift.com/getting-started-with-sftp-and-openshift/

https://netbeans.org/kb/docs/ide/git.html

https://blogs.oracle.com/geertjan/entry/wildfly_simply_works_in_netbeans

http://java.dzone.com/articles/openshift-how-create-web-0

http://wildfly.org/news/2014/04/25/Getting-Started-WildFly-OpenShift/

https://github.com/worldline/openshift-maven-plugin

https://community.jboss.org/wiki/Enable-openshift-ciFullExampleUsingOpenshift-java-client

https://github.com/openshift/openshift-java-client

https://forums.openshift.com/maven-plugin-to-deploy-jee-app-or-whatever-directly-to-openshift-folder

github.com/javaee-samples/javaee7-samples

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One last thing

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Virtual:JBUG

http://bit.ly/virtualJBUG
@vJBUG

How to contribute to WildFly by Kabir Khan

redhat.