



JBoss EAP 6

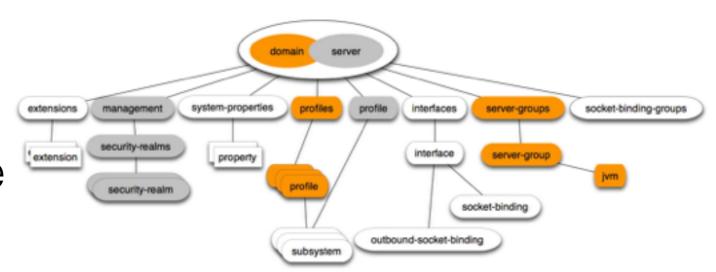
bouwsteen

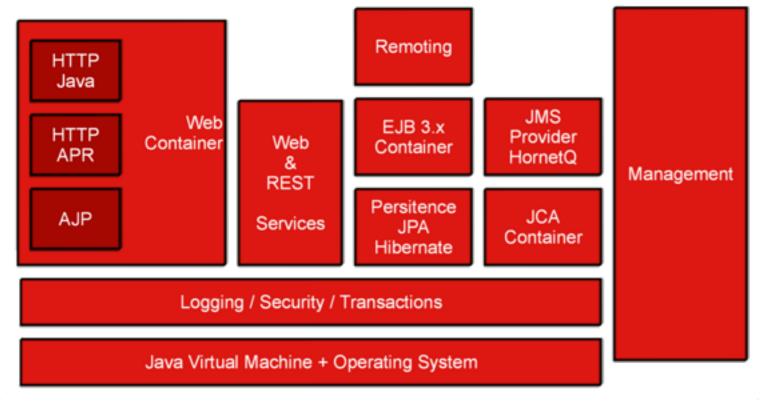
Agenda

- wat is JBoss EAP 6
- is opgeleverd: jboss eap 6 classic
- wens: jboss eap 6 containerized
- demo

Wat is JBoss EAP 6

- Gebaseerd op JBoss AS 7 EAP 6 Configuration Tree Structure
- Profielen, Web & Full
- domein mode standalone





https://access.redhat.com/support/configurations/jboss

https://access.redhat.com/knowledge/articles/112673

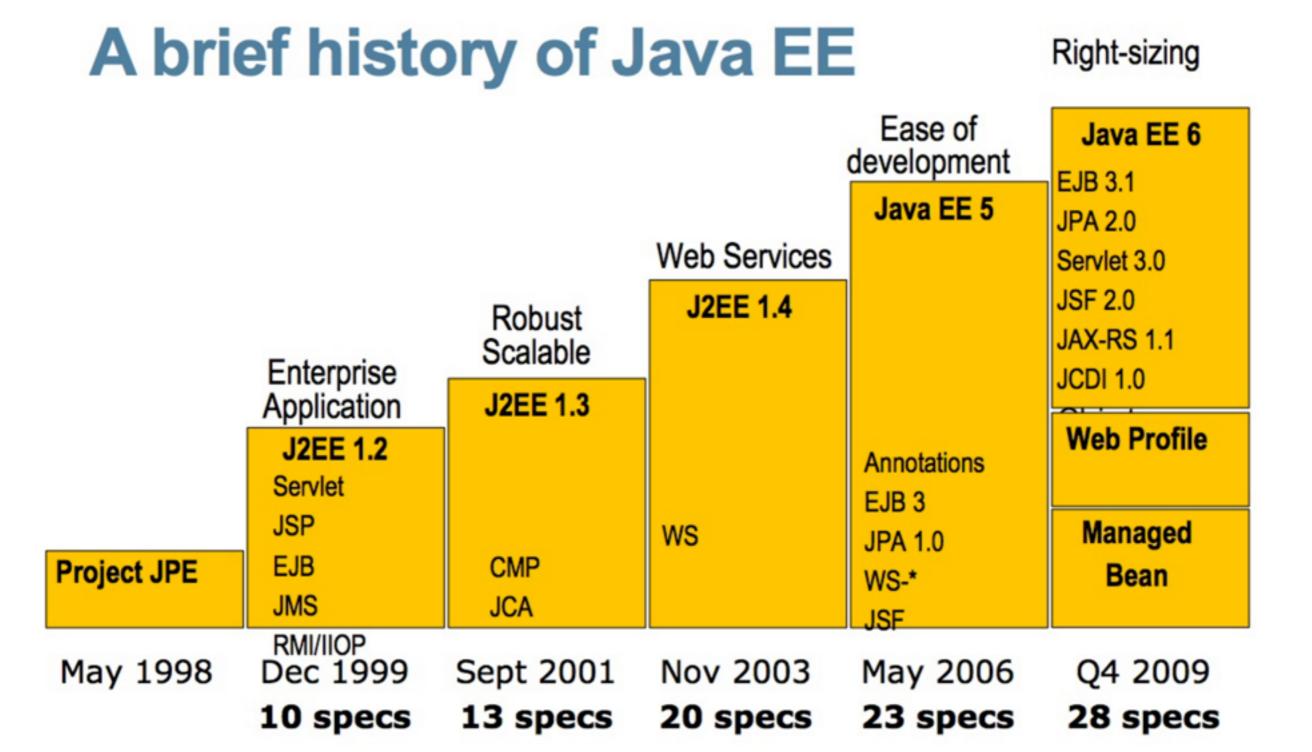
Bestaande JBoss bouwsteen vs JBoss EAP 6 bouwsteen

- grote memory footprint
- veel legacy
- onduidelijke structuur
- verschillende configuratiefiles

- complete rework op basis van EE6 standaarden
- sneller
- duidelijke structuur, modulair
- 1 configuratie file
- cli & verbeterde interface
- geen JON
- MAVEN

Java EE 6

Java EE 8 +/- 2017



EE6 voorbeeld

EJB 2.X

```
DEPLOYMENT DESCR
public class BankBean implements SessionBean{
 private SessionContext context;
 public void setContext(SessionContext context) { /* ... */ }
                                                                 <enterprise-beans>
 public void ejbActivate() throws EJBException, RemoteException { /* ...
                                                                   <session>
 public void ejbPassivate() throws EJBException, RemoteException { /* .
                                                                        <display-name>BankSB</display-name>
 public void ejbRemove() throws EJBException, RemoteException { /* ... *.
                                                                        <ejb-name>BankBean</ejb-name>
 public void ejbCreate throws EJBException, RemoteException { /* ... */
                                                                        <local-home>com.advocacy.legacy.ejb.BankLocalHome</local-</pre>
 public void setSessionContext(SessionContext ctx)
               throws EJBException, RemoteException { /* ... */ }
                                                                home>
                                                                        <local>com.advocacy.legacy.ejb.BankLocal</local>
                                                                        <ejb-class>com.advocacy.legacy.ejb.BankBean</ejb-class>
                                                                        <session-type>Stateless</session-type>
    CODE
                                                                        <transaction-type>Container</transaction-type>
                                                                   </session>
                                                                 </enterprise-beans>
```

EJB 3.1

```
@Stateful
public class BankBean {
    public boolean deposit(double amount, Account account){...}
    public boolean transfer(double amount, Account from, Account to){...}
}
```

Geen DD meer nodig, meer functies, makkelijker!!!

Profielen

default

most commonly used subsystems: logging, security, configadmin, jpa, transactions, mail, datasources, infinispan, weld, webservices, ee and ejb3

```
ha
```

default + jgroups and modcluster subsystems (cluster)

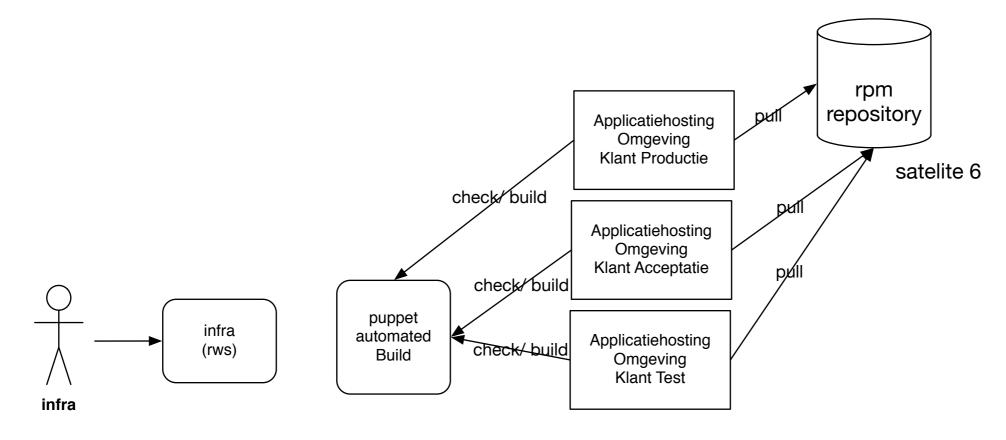
full

default + messaging subsystem (HornetQ), cmp, jacorb, jax

full-ha

full + jgroups and modcluster subsystems (cluster)

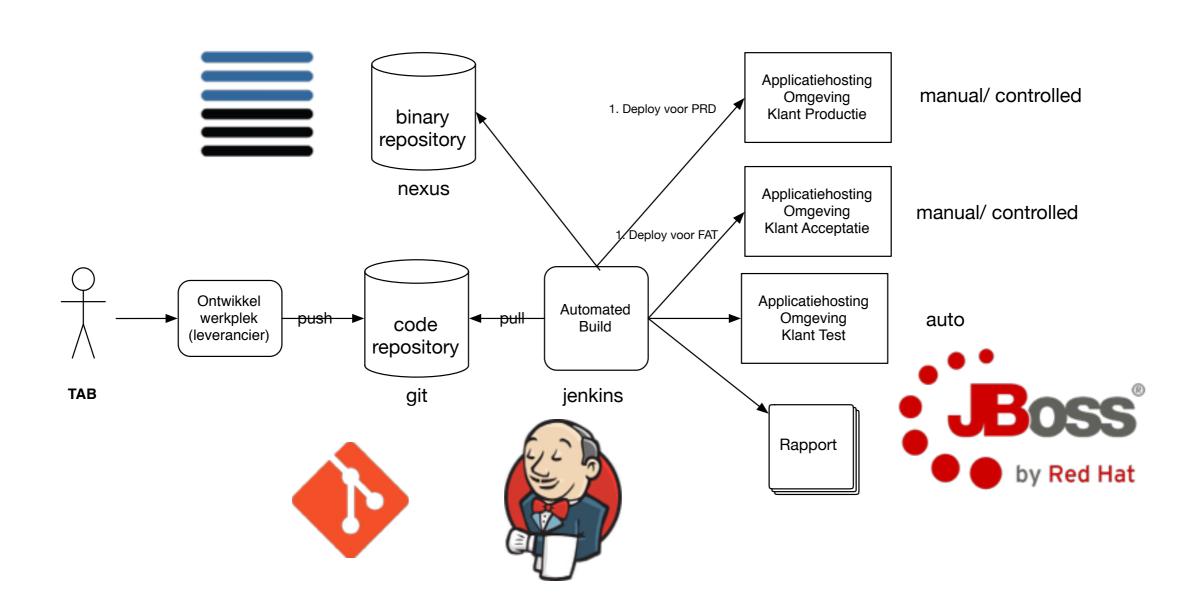
Is opgeleverd, classic



Spec file—> Satelite —> Puppet Modules —> config yaml

Documentatie: HLD, SOW, Gebr. HL, Beh HL, TO, FO

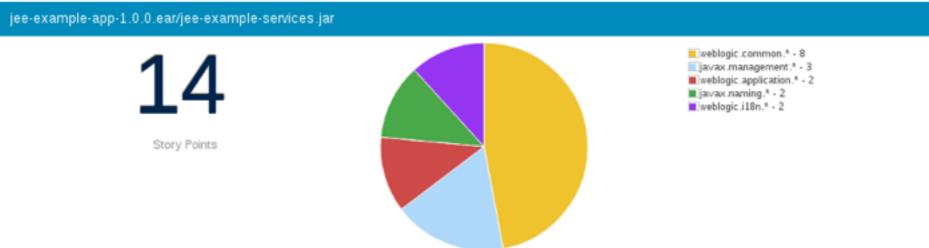
Deployment classic



Migratie

- Statement of Welcome
- code migratie EE6 —> tooling —>windup
- aanmaken infra (Beheerhandleiding)
- aanmaken jenkins project (Gebruikershandleiding)
- testen
- project migratie naar maven + jboss-as plugin (Gebruikershandleiding)

Windup





Name	Technology	Issues	Estimated Story Points
META-INF/MANIFEST.MF	Han thist		0
META-INF/ejb-jar.xml	E30 >84L		0
META-INF/weblogic-ejb-jar.xml			3
META-INF/maven/org.windup.example/jee-example- services/pom.properties	Properties		0
com.acme.anvil.listener.AnvilWebLifecycleListener	Decompled Java File	Warnings: 5 items Ensure that the Initial Context connection properties do not need to change for JBoss Ensure that the ObjectName exists in JBoss Ensure that the ObjectName exists in JBoss This class is proprietary to Weblogic, remove. This class is proprietary to Weblogic, remove.	7
com.acme.anvil.listener.AnvilWebStartupListener	Decompled Java File	Warnings: 10 items Ensure that the Object Name exists in JBoss Replace with EJB 3.1 @ Singleton / @ Startup annotations. Replace with EJB 3.1 @ Singleton / @ Startup annotations. In JBoss 5, replace with an MBean. In JBoss 5, replace with an MBean. In JBoss 5, replace with an MBean. In JBoss 6, replace with an @ Singleton EJB. In JBoss 6, replace with an @ Singleton EJB. In JBoss 6, replace with an @ Singleton EJB. Requires migration effort	2
com.acme.anvil.service.ProductCatalogBean	Decempted Java File	Warnings: 1 items Requires migration effort	1
com.acme.anvil.service.jms.LogEventPublisher	Decompiled Java File	Warnings: 1 items Ensure that the InitialContext connection properties do not need to change for JBoss	1

JBoss EAP 6 containerized

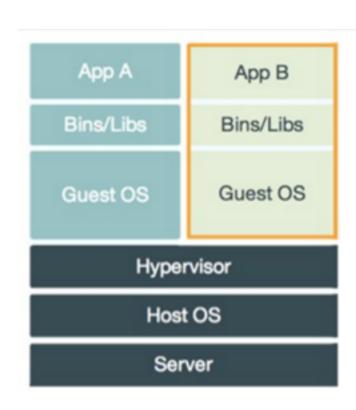
dockercontainers Applicatiehosting manual/controlled Omgeving 1. Deploy voor PRD Klant Productie binary docker repository nexus Applicatiehosting manual/controlled Omgeving Klant Acceptatie 1. Deploy voor FAT Applicatiehosting Ontwikkel Automated Omgeving werkplek push ▶ pull auto code Build (leverancier) Klant Test repository **TAB** git jenkins Rapport by Red Hat

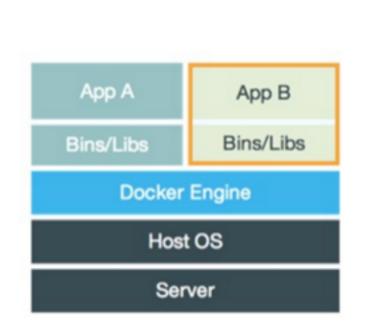
Docker

The way to go

docker

- Geautomatiseerd/ herhaalbaar
- Hardware agnostisch
- Geïsoleerd
- Efficient





http://npalm.github.io/docker-introduction/#/

Demo











- deployment classic
- deployment classic + docker
- deployment classic + docker + paas