



Tomcat 7

VS.

**JBoss AS 7** 

- Purpose
- Internals
- Why dump Tomcat and use AS 7?
- How does it work
- Demo





- Servlets & JSPs
- Low footprint



- Java EE 6 container
- JBoss EAP 6 upstream
- Completely rewritten to achieve:
  - Modular classloading
  - Unmatched paralelism
  - Quick boot & deployment
  - Much better user exp.









- Catalina servlets
- Coyote HTTP connector
- Jasper JSP engine
- Cluster load balancing
- HA dispatching requests

- MSC Modular service container
- JBoss Modules classloading
- Everything else is a "subsystem"
  - Deployer, JBoss Web, transactions, CDI, logging, datasources, cache, JMX, JSF, Java Mail API, JNDI, remoting, security, web services, ...



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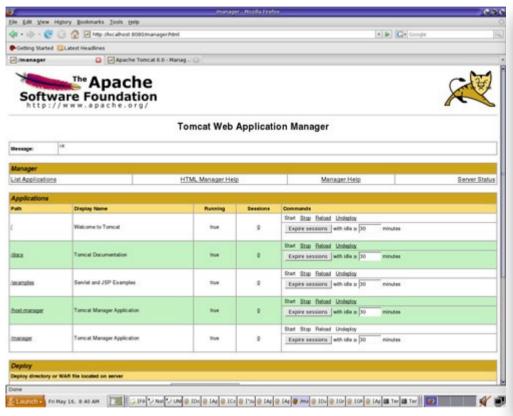


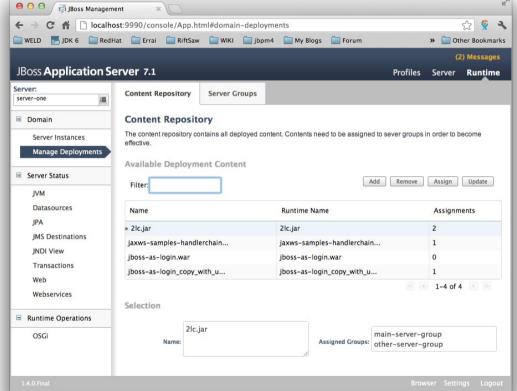


### **Console**

















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    - Doh!



• Tomcat integration:







• JBoss AS 7 integration:







- JBoss AS 7 integration:
  - I want an app, with REST API and a web service.
    - So far OK.
  - The view layer should be JSF 2.0.
    - It's there
  - With a CDI.
    - It's there
  - It uses LDAP for auth.
    - Just configure few things in standalone.xml
  - I'd like all three parts secured using the same config.
    - Sure, through annotations or SecurityContext
  - Seamless transactions across 3 parts.
    - Sure, through EJB annotations or UserTransaction





- But that's not all!
  - Faster startup than Tomcat (< 3 sec.)</li>
    - Faster deployment too
  - Easier configuration (one file, unified model)
  - Easier remote management (REST API)
  - Easier monitoring (REST API)
  - Clearer error messages



### Demo?





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## Thank you.



