

Introduction to SpringSource dm Server

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Agenda



- What is the dm Server?
- Getting started
- Building modular applications
- Q&A

SpringSource dmServer



- It's an application server
 - but not as you know it
- It's open source
- It's “designed for Spring”
- It's built on OSGi
- It provides an OSGi-based deployment model for those that want it

SpringSource dmServer



- Deploy
 - Standard WAR files
 - Native OSGi bundles
 - Web modules (bundles)
 - “PAR” files
 - a group of bundles that together comprise an application

SpringSource dmServer



- Configure
 - dm Server is built out of configurable subsystems
 - use only what you need

Why OSGi?



- Why build dm Server on OSGi?
- Why use OSGi for applications?

Building middleware on OSGi



- *Potential* end-user benefits:
 - modular platform
 - use only what you need
 - reduced footprint
 - improved start-up time
 - dynamic runtime environment
 - add and remove capabilities at runtime

Building applications on OSGi



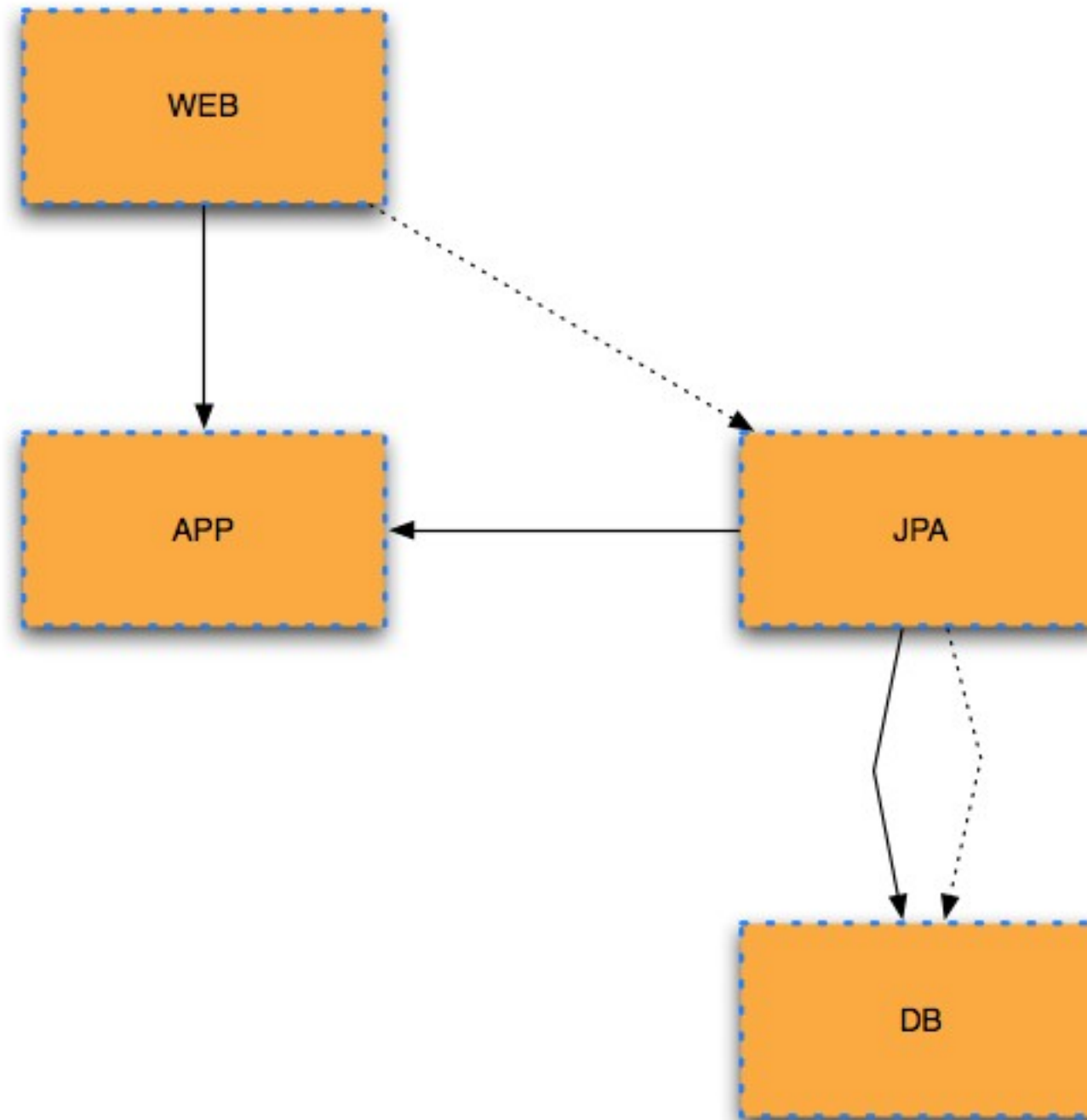
- Modularity
- Dependency management
- Deployment formats
- Runtime view of application wiring
- Dynamic add/remove/*update*
 - developer productivity
 - production change management

Getting Started

Building Modular Applications

GreenPages

GreenPages Sample App



Building Modular Applications

Web modules

Building Modular Applications

Adding a middle tier

Building Modular Applications

Linking the middle tier to the web tier

Building Modular Applications

Creating a PAR file

Building Modular Applications

Adding data access

Q&A