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Migrating Services to JBoss Enterprise Application Platform 6

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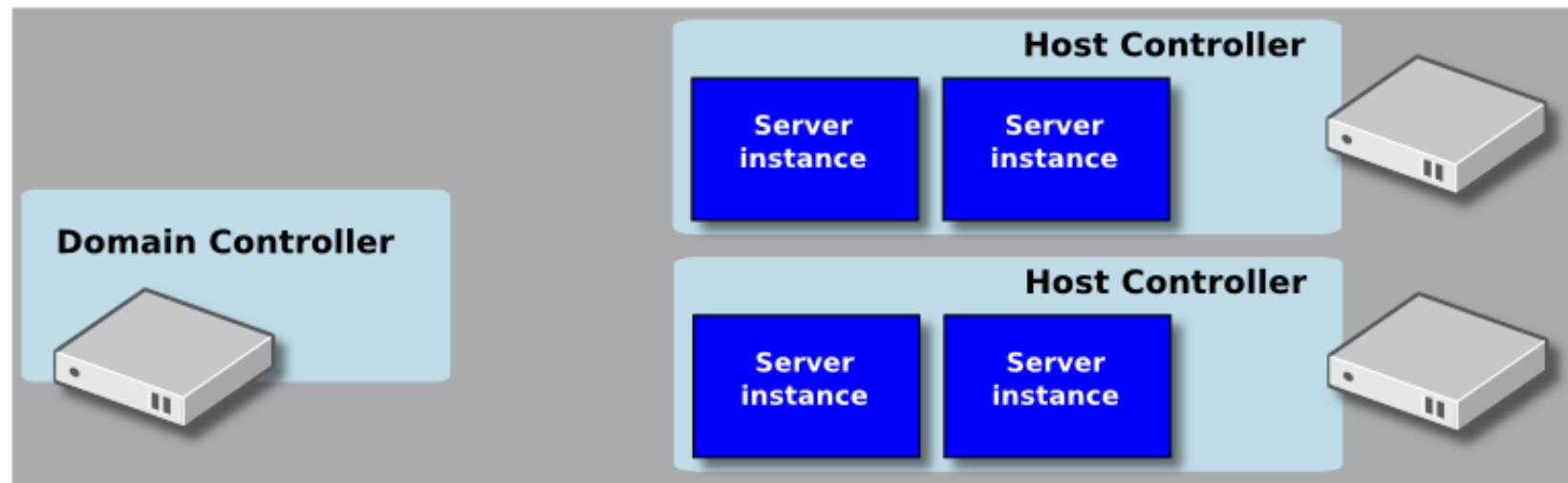
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Standalone Mode



Domain Mode



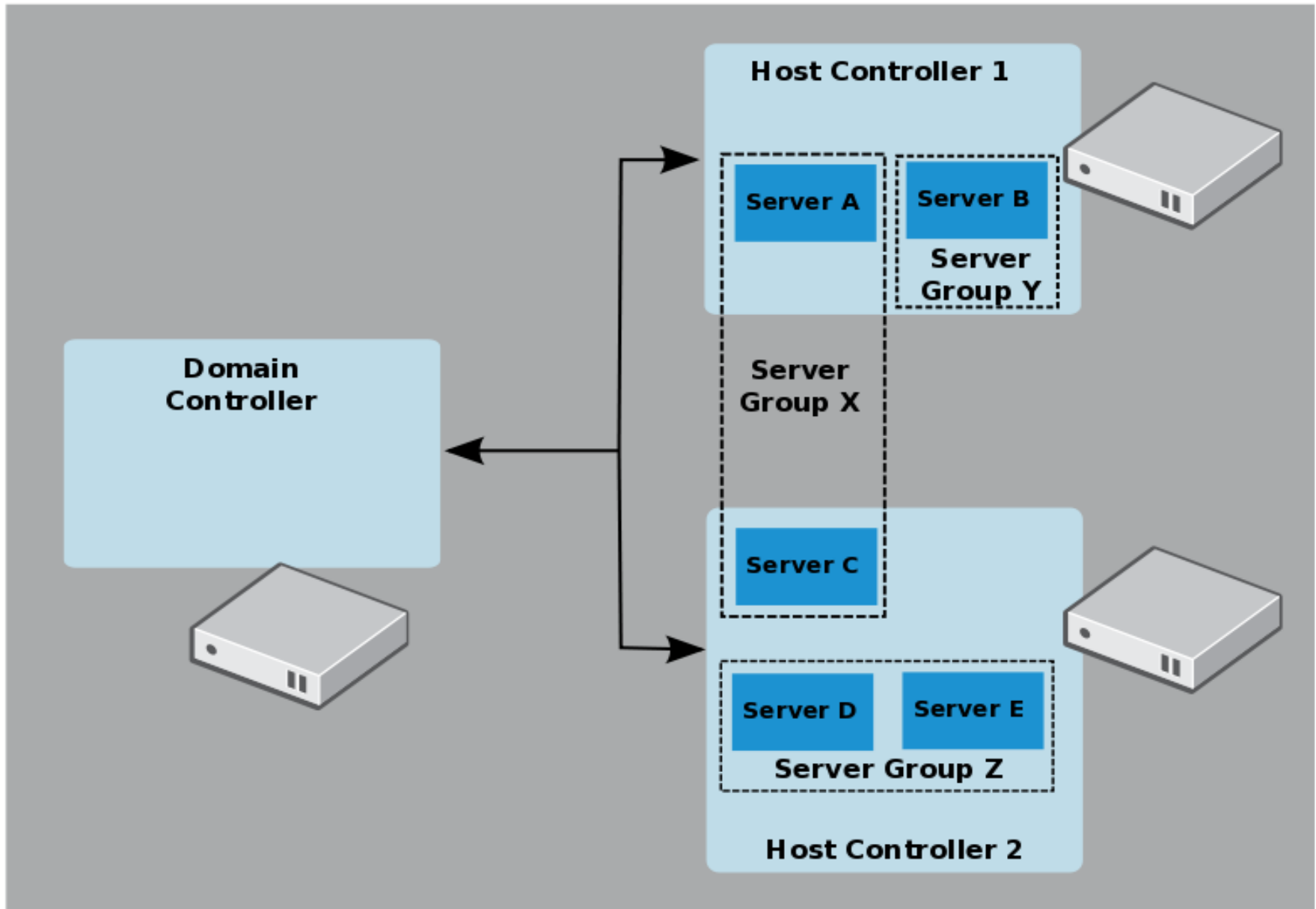
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An Example of a Domain



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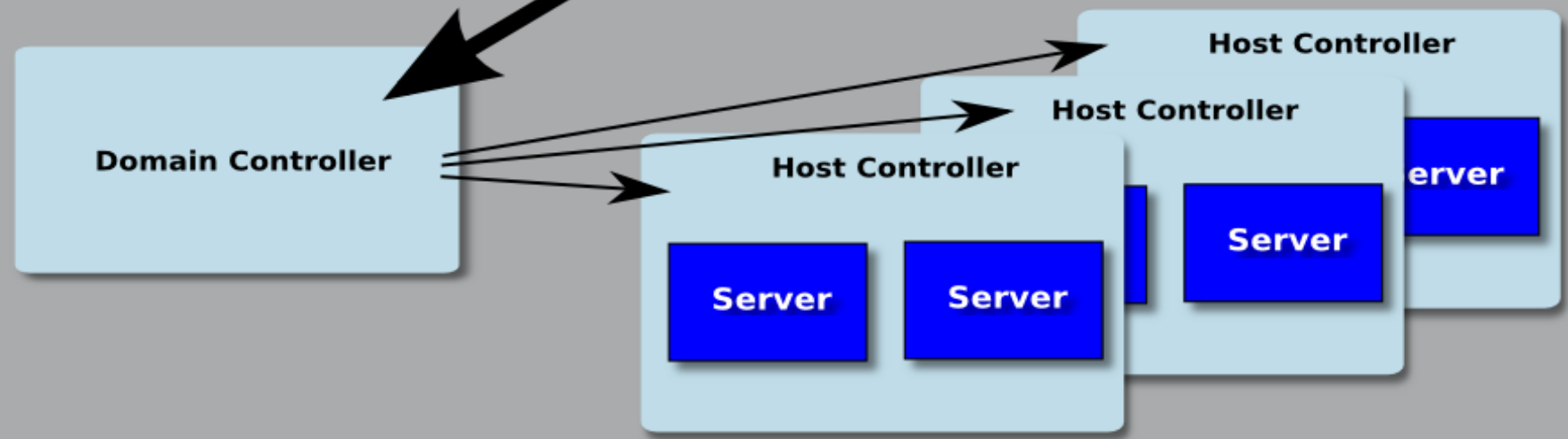
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Administering EAP 6

The image shows two screenshots. On the left is a terminal window titled 'instructor@instructor:~/home/student/0248/opt/jboss-eap-6.0/bin'. It displays the output of the 'jboss-cli.sh connect' command, showing a successful connection to the host controller. The output includes details like 'extension', 'path', 'host', 'interface', 'deployment', 'management-client-content', 'socket-binding-group', 'management-sa', 'product-version', and 'username-codename-rotate'. A large black arrow points from the terminal window towards the diagram below. On the right is a screenshot of the 'JBoss Enterprise Application Platform 6.0' Management Console. The 'Databases' tab is active, showing 'JDBC Datasources'. A specific datasource 'java:jboss/datasources/ExampleDS' is selected, and its configuration is visible, including 'Enabled?' and 'Connection' settings.



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Migrating Services

- Datasources
- Logging
- Security
- JVM Configuration
- The Web Subsystem

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Datasources

- EAP 5 and earlier:
 - *-ds.xml file placed in /deploy folder
- EAP 6
 - The datasources subsystem
 - Configured in standalone.xml or domain.xml



Profile: default

- Subsystems
 - Connector
 - JCA
 - Datasources**
 - Resource Adapters
 - Mail
 - Container
 - Core
 - Infinispan
 - OSGi
 - Security
 - Web
- General Configuration
 - Interfaces
 - Socket Binding
 - System Properties

Datasources XA Datasources

JDBC Datasources

JDBC

Avail

Na

Exa

Sele

Attr

Ed

C

Trans

Create Datasource

Step 3/3: Connection Settings

[Need Help?](#)

Connection URL: jdbc:mysql://localhost:3306/mydb

Username: mysqluser

Password:

Security Domain: MySQL_security_domain

[Need Help?](#)

Done Cancel

Add Remove Disable

Enabled?



1-1 of 1

Password

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Using the CLI:

```
/profile=default/subsystem=datasources/data-source=my_DS:add(  
  jndi-name="java:jboss/myDS",  
  connection-url="jdbc:mysql://localhost:3306/mydb",  
  driver-name="com.mysql",  
  transaction-isolation=TRANSACTION_READ_COMMITTED,  
  min-pool-size=5,  
  max-pool-size=20,  
  pool-prefill=true,  
  user-name=mysqluser,  
  password=test,  
  prepared-statements-cache-size=32,  
  share-prepared-statements=true,  
  blocking-timeout-wait-millis=60000,  
  idle-timeout-minutes=20  
)
```



Logging

- In EAP 5:
 - conf/jboss-log4j.xml file
- In EAP 6:
 - The logging subsystem
 - Configured in standalone.xml or domain.xml



Profile: default

Root Logger Log Categories Handler

Subsystems

Connector

Container

Core

Logging

Threads

JMX

Config Admin

Infinispan

OSGi

Security

Web

General Configuration

Interfaces

Socket Binding

System Properties

Log Categories

Defines a logger category.

Add Remove

Name	Log Level
com.arjuna	WARN
jacorb	WARN
jacorb.config	ERROR
org.apache.tomcat.util.modeler	WARN

<< < 1-4 of 5 > >>

Details

Attributes Handlers

Edit

[Need Help?](#)

Name: com.arjuna

Log Level: WARN

Use Parent Handlers: true

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Security

- In EAP 5:
 - conf/login-config.xml file
- In EAP 6:
 - The security subsystem
 - Configured in standalone.xml or domain.xml



Profile: default

- Subsystems
 - Connector
 - Container
 - Core
 - Logging
 - Threads
 - JMX
 - Config Admin
 - Infinispan
 - OSGi
 - Security
 - Security Subsystem
 - Security Domains**
 - Web
- General Configuration
 - Interfaces
 - Socket Binding
 - System Properties

Security Domains

Security Domains

Registered security domains. Please select a domain to edit the security policies.

Add Remove

Name	Option
▸ jboss-ejb-policy	View →
jboss-web-policy	View →
other	View →

<< < 1-3 of 3 > >>

Details

Attributes

Edit

[Need Help?](#)

Name: jboss-ejb-policy

Cache Type: default



JVM Configuration

- In EAP 5:
 - bin/run.conf file
- In EAP 6 **Standalone** mode:
 - standalone.conf file
- In EAP 6 **Domain** mode:
 1. Define a <jvm> in host.xml
 2. In domain.xml, a <server-group> can override a host's <jvm>
 3. In host.xml, a <server> can override a server group's <jvm>



- Host: master
- Server
 - Server Configurations
 - Server Groups
- Host Settings
 - JVM Configurations**
 - Interfaces
 - Host Properties

JVM Configurations

Host JVM Configurations

These JVM configuration are applicable to any server on a host. JVM configurations can be assigned to server configuration by name.

Available JVM Configurations

Add **Remove**

Name
default

<< < 1-1 of 1 > >>

Selection

Edit

[Need Help?](#)

Name: default

Heap Size: 64m

Max Heap Size: 256m

Permgen Size: 256m

Max Permgen Size: 256m



The Web Subsystem

- In EAP 5:
 - Ports and network addresses are defined, well, basically all over the place!
- In EAP 6:
 1. The web subsystem
 2. `<interface>` definitions
 3. `<socket-binding-group>` definitions
- Configured in `standalone.xml`; or `domain.xml` and `host.xml` for Domain mode



Profile: default

Subsystems

Connector

Container

Core

Infinispan

OSGi

Security

Web

Servlet/HTTP

Web Services

General Configuration

Interfaces

Socket Binding

System Properties

Servlet

Servlet/HTTP Configuration

The configuration of the jboss.web subsystem.

Edit

[Need Help?](#)

Disabled?: false

Development?: false

Instance ID:

▶ Advanced

Connectors

Virtual Servers

Add

Remove

Name	Protocol	Enabled?
• http	HTTP/1.1	✓

Edit

[Need Help?](#)

Name: http

Socket Binding:

Protocol: HTTP/1.1

Scheme: http

Enabled?: true

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JB248: JBoss Application Administration I

- Replaces our popular JB336 course
- Learn how to install, configure and manage EAP 6
- Covers the topics on the JBoss Certified Application Administrator (JBCAA) Exam
- Visit <http://www.redhat.com/training> for course schedule
- In development is JB348: JBoss Application Administration II, which will cover more advanced topics like HornetQ, Infinispan, clustering and performance tuning.

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