

Fedora Scenario 1

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Installation

Set up

1. Use Fedora 10 vm server ✓
2. Install mysql server ✓
3. Install wildfire ✓
4. Install JDK6 ✓
5. Install LAMS
 - JBoss 4.0.2 ✓
 - LAMS 2.3 installer ✓
 - Starting up LAMS 2.3 ✓

Fedora 10 VM

Downloaded from <http://www.vmware.com/appliances/directory/68067>

Install MySQL

```
[root@localhost ~]# yum install mysql-server
Loaded plugins: refresh-packagekit
Setting up Install Process
Parsing package install arguments
Resolving Dependencies
--> Running transaction check
----> Package mysql-server.i386 0:5.0.77-1.fc10 set to be updated
--> Processing Dependency: mysql = 5.0.77-1.fc10 for package: mysql-server
--> Processing Dependency: perl(DBI) for package: mysql-server
--> Processing Dependency: libmysqlclient.so.15(libmysqlclient_15) for package: mysql-server
--> Processing Dependency: perl-DBI for package: mysql-server
--> Processing Dependency: libmysqlclient_r.so.15(libmysqlclient_15) for package: mysql-server
--> Processing Dependency: libmysqlclient.so.15 for package: mysql-server
--> Processing Dependency: perl-DBD-MySQL for package: mysql-server
--> Processing Dependency: libmysqlclient_r.so.15 for package: mysql-server
--> Running transaction check
----> Package mysql.i386 0:5.0.77-1.fc10 set to be updated
----> Package perl-DBD-MySQL.i386 0:4.005-8.fc9 set to be updated
----> Package mysql-libs.i386 0:5.0.77-1.fc10 set to be updated
----> Package perl-DBI.i386 0:1.607-1.fc10 set to be updated
--> Finished Dependency Resolution
```

Dependencies Resolved

```
=====
=====
```

Package	Arch	Version
Repository	Size	
=====	=====	=====
Installing:		
mysql-server	i386	5.0.77-1.fc10
updates	10 M	
Installing for dependencies:		
mysql	i386	5.0.77-1.fc10
updates	3.3 M	
mysql-libs	i386	5.0.77-1.fc10
updates	1.8 M	
perl-DBD-MySQL	i386	4.005-8.fc9
fedora	165 k	
perl-DBI	i386	1.607-1.fc10
fedora	776 k	

```
=====
```

Transaction Summary

```
=====
Install      5 Package(s)
Update      0 Package(s)
Remove      0 Package(s)
```

Total download size: 16 M

Is this ok [y/N]: y

Downloading Packages:

```
(1/5): perl-DBD-MySQL-4.005-8.fc9.i386.
rpm | 165 kB 00:00
(2/5): perl-DBI-1.607-1.fc10.i386.
rpm | 776 kB 00:00
00
(3/5): mysql-libs-5.0.77-1.fc10.i386.
rpm | 1.8 MB 00:00
(4/5): mysql-5.0.77-1.fc10.i386.
rpm | 3.3 MB 00:00
00
(5/5): mysql-server-5.0.77-1.fc10.i386.
rpm | 10 MB 00:01
-----
```

Total

1.3 MB/s | 16 MB 00:13

===== Entering rpm code

```
=====
Running rpm_check_debug
Running Transaction Test
Finished Transaction Test
Transaction Test Succeeded
Running Transaction
```

```
Installing      : mysql-libs
1/5
Installing      : perl-DBI
2/5
Installing      :
mysql
3/5
Installing      : perl-DBD-MySQL
4/5
Installing      : mysql-server
5/5
```

===== Leaving rpm code

Installed:

mysql-server.i386 0:5.0.77-1.fc10

Dependency Installed:

mysql.i386 0:5.0.77-1.fc10 mysql-libs.i386 0:5.0.77-1.fc10 perl-DBD-MySQL.i386 0:4.005-8.fc9 perl-DBI.i386 0:1.607-1.fc10

Complete!

```
[root@localhost ~]# /etc/init.d/mysqld start
```

Initializing MySQL database: Installing MySQL system tables...

090428 22:10:10 [Warning] option 'max_join_size': unsigned value 18446744073709551615 adjusted to 4294967295

090428 22:10:10 [Warning] option 'max_join_size': unsigned value 18446744073709551615 adjusted to 4294967295

OK

Filling help tables...

090428 22:10:10 [Warning] option 'max_join_size': unsigned value 18446744073709551615 adjusted to 4294967295

090428 22:10:10 [Warning] option 'max_join_size': unsigned value 18446744073709551615 adjusted to 4294967295

OK

To start mysqld at boot time you have to copy support-files/mysql.server to the right place for your system

PLEASE REMEMBER TO SET A PASSWORD FOR THE MySQL root USER !

To do so, start the server, then issue the following commands:

```
/usr/bin/mysqladmin -u root password 'new-password'
```

```
/usr/bin/mysqladmin -u root -h localhost.localdomain password 'new-password'
```

Alternatively you can run:

```
/usr/bin/mysql_secure_installation
```

which will also give you the option of removing the test databases and anonymous user created by default. This is strongly recommended for production servers.

See the manual for more instructions.

You can start the MySQL daemon with:

```
cd /usr ; /usr/bin/mysqld_safe &
```

You can test the MySQL daemon with mysql-test-run.pl

```
cd mysql-test ; perl mysql-test-run.pl
```

Please report any problems with the /usr/bin/mysqlbug script!

The latest information about MySQL is available on the web at

<http://www.mysql.com>

Support MySQL by buying support/licenses at <http://shop.mysql.com>

```
Starting MySQL: [ OK ]
```

```
[root@localhost ~]# mysql -u root -p
```

```
Enter password:
```

```
Welcome to the MySQL monitor. Commands end with ; or \g.
```

```
Your MySQL connection id is 2
```

```
Server version: 5.0.77 Source distribution
```

```
Type 'help;' or '\h' for help. Type '\c' to clear the buffer.
```

```
mysql> \q
```

```
Bye
```

```
[root@localhost ~]#
```

Install Wildfire

Getting [Wildfire 2.6.2](#)

```

[root@localhost tmp]# wget http://www.igniterealtime.org/builds/wildfire/wildfire_2_6_2.rpm
--2009-04-28 22:12:35-- http://www.igniterealtime.org/builds/wildfire/wildfire_2_6_2.rpm
Resolving www.igniterealtime.org... 70.98.39.60
Connecting to www.igniterealtime.org|70.98.39.60|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 22304489 (21M) [text/plain]
Saving to: `wildfire_2_6_2.rpm'

100%
[=====>]
22,304,489  184K/s  in 2m 1s

2009-04-28 22:14:47 (180 KB/s) - `wildfire_2_6_2.rpm' saved [22304489/22304489]

[root@localhost tmp]# rpm -ivh wildfire_2_6_2.rpm
Preparing...                               ##### [100%]
 1:wildfire                               ##### [100%]
Preparing JRE ...
[root@localhost tmp]# wildfire start
testing JVM in /opt/wildfire/jre ...
Starting wildfire
nohup: appending output to `nohup.out'
[root@localhost tmp]#

```

Install Java JDK6

```

[root@localhost tmp]# ./jdk-6u13-linux-i586-rpm.bin
Sun Microsystems, Inc. Binary Code License Agreement

for the JAVA SE DEVELOPMENT KIT (JDK), VERSION 6

SUN MICROSYSTEMS, INC. ("SUN") IS WILLING TO LICENSE THE
SOFTWARE IDENTIFIED BELOW TO YOU ONLY UPON THE CONDITION
THAT YOU ACCEPT ALL OF THE TERMS CONTAINED IN THIS BINARY
CODE LICENSE AGREEMENT AND SUPPLEMENTAL LICENSE TERMS
(COLLECTIVELY "AGREEMENT"). PLEASE READ THE AGREEMENT
CAREFULLY. BY DOWNLOADING OR INSTALLING THIS SOFTWARE, YOU
ACCEPT THE TERMS OF THE AGREEMENT. INDICATE ACCEPTANCE BY
SELECTING THE "ACCEPT" BUTTON AT THE BOTTOM OF THE
AGREEMENT. IF YOU ARE NOT WILLING TO BE BOUND BY ALL THE
TERMS, SELECT THE "DECLINE" BUTTON AT THE BOTTOM OF THE
AGREEMENT AND THE DOWNLOAD OR INSTALL PROCESS WILL NOT
CONTINUE.
...

Do you agree to the above license terms? [yes or no]
yes

Unpacking...
Checksumming...
Extracting...
UnZipSFX 5.50 of 17 February 2002, by Info-ZIP (Zip-Bugs@lists.wku.edu).
  inflating: jdk-6u13-linux-i586.rpm
  inflating: sun-javadb-common-10.4.1-3.1.i386.rpm
  inflating: sun-javadb-core-10.4.1-3.1.i386.rpm
  inflating: sun-javadb-client-10.4.1-3.1.i386.rpm
  inflating: sun-javadb-demo-10.4.1-3.1.i386.rpm
  inflating: sun-javadb-docs-10.4.1-3.1.i386.rpm
  inflating: sun-javadb-javadoc-10.4.1-3.1.i386.rpm
Preparing...                               ##### [100%]
 1:jdk                                     ##### [100%]
Unpacking JAR files...
  rt.jar...
  jsse.jar...
  charsets.jar...
  tools.jar...
  localedata.jar...

```

```

    plugin.jar...
    javaws.jar...
    deploy.jar...
Installing JavaDB
Preparing... ##### [100%]
  1:sun-javadb-common ##### [ 17%]
  2:sun-javadb-core ##### [ 33%]
  3:sun-javadb-client ##### [ 50%]
  4:sun-javadb-demo ##### [ 67%]
  5:sun-javadb-docs ##### [ 83%]
  6:sun-javadb-javadoc ##### [100%]

Java(TM) SE Development Kit 6 successfully installed.

Product Registration is FREE and includes many benefits:
* Notification of new versions, patches, and updates
* Special offers on Sun products, services and training
* Access to early releases and documentation

Product and system data will be collected. If your configuration
supports a browser, the Sun Product Registration form for
the JDK will be presented. If you do not register, none of
this information will be saved. You may also register your
JDK later by opening the register.html file (located in
the JDK installation directory) in a browser.

For more information on what data Registration collects and
how it is managed and used, see:
http://java.sun.com/javase/registration/JDKRegistrationPrivacy.html

Press Enter to continue.....

Done.
[root@localhost tmp]# java -version
java version "1.6.0_13"
Java(TM) SE Runtime Environment (build 1.6.0_13-b03)
Java HotSpot(TM) Client VM (build 11.3-b02, mixed mode, sharing)
[root@localhost tmp]#

```

Installing LAMS 2.3

Install JBoss 4.0.2

```

[root@localhost tmp]# wget http://transact.dl.sourceforge.net/sourceforge/jboss/jboss-4.0.2.tar.gz
--2009-04-28 22:20:59-- http://transact.dl.sourceforge.net/sourceforge/jboss/jboss-4.0.2.tar.gz
Resolving transact.dl.sourceforge.net... 202.55.147.10
Connecting to transact.dl.sourceforge.net|202.55.147.10|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 61652409 (59M) [application/x-gzip]
Saving to: `jboss-4.0.2.tar.gz.1'

100%
[=====>]
61,652,409 20.8M/s in 2.8s

2009-04-28 22:21:02 (20.8 MB/s) - `jboss-4.0.2.tar.gz' saved [61652409/61652409]

[root@localhost tmp]# cd /usr/local/
[root@localhost local]# tar xzf /tmp/jboss-4.0.2.tar.gz
[root@localhost local]#

```

LAMS 2.3 Unix Installer

Get the installers from: [Downloads](#)

```
[root@localhost tmp]# tar xzf lams-unix-installer-2.3-20090429.1705.tar.gz
[root@localhost tmp]# cd lams-unix-installer-2.3
[root@localhost lams-unix-installer-2.3]#
```

Editing lams.properties

```
...
# The directory that contains your JDK. (Must be 1.5 or higher)
JDK_DIR=/usr/java/jdk1.6.0_13/
...
```

Running the installer

```
[root@localhost lams-unix-installer-2.3]#
./install-lams.sh
JDK_DIR is valid

-----

WELCOME to the LAMS 2.3 unix Installer!

Please ensure you have read and accepted the license agreement before continuing

Make sure you have correctly configured the lams.properties file to your
preferred settings.

You should read the installation guide before continuing.

JAVA_HOME = /usr/java/jdk1.6.0_13/

-----

LAMS requires about 117MB of space, continue with installation? (y)es, (n)o: y

Do you wish to install LAMS as a Java Service Wrapper? (y)es, (n)o, (q)uit: n

Using LAMS database with the following parameters...
Database name: lams2
Database user: lamsuser
Database password: lamsdemo

Creating LAMS database.
Buildfile: ant-scripts/configure-database.xml
Database Created.

Filling database with LAMS tables

Buildfile: ant-scripts/filter-config.xml
Buildfile: ant-scripts/configure-database.xml
Done.

Database Created.

Copying lams.ear directory to /usr/local/jboss-4.0.2/server/default/deploy.

Done.

Configuring JBoss with your settings.
Buildfile: ant-scripts/configure-deploy.xml
cp: cannot stat `repository/*': No such file or directory
cp: cannot stat `secure/*': No such file or directory

Configuring the java Wrapper
Copying lams.properties to /etc.

LAMS 2.3 Configuration completed!
Please view the README for instructions on how to run LAMS.

[root@localhost lams-unix-installer-2.3]#
```

Starting LAMS

```

[root@localhost lams-unix-installer-2.3]# cd /usr/local/jboss-4.0.2/bin/
[root@localhost bin]# ./run.sh
run.sh: Missing file: /lib/tools.jar
run.sh: Unexpected results may occur. Make sure JAVA_HOME points to a JDK and not a JRE.
=====

JBoss Bootstrap Environment

JBOSS_HOME: /usr/local/jboss-4.0.2

JAVA: java

JAVA_OPTS: -server -Xms128m -Xmx512m -XX:MaxPermSize=256m -Dprogram.name=run.sh

CLASSPATH: /usr/local/jboss-4.0.2/bin/run.jar:/lib/tools.jar

=====

21:29:49,005 INFO [Server] Starting JBoss (MX MicroKernel)...
21:29:49,008 INFO [Server] Release ID: JBoss [Zion] 4.0.2 (build: CVSTag=JBoss_4_0_2 date=200505022023)
21:29:49,008 INFO [Server] Home Dir: /usr/local/jboss-4.0.2
21:29:49,009 INFO [Server] Home URL: file:/usr/local/jboss-4.0.2/
21:29:49,009 INFO [Server] Library URL: file:/usr/local/jboss-4.0.2/lib/
21:29:49,011 INFO [Server] Patch URL: null
21:29:49,011 INFO [Server] Server Name: default
21:29:49,012 INFO [Server] Server Home Dir: /usr/local/jboss-4.0.2/server/default
21:29:49,013 INFO [Server] Server Home URL: file:/usr/local/jboss-4.0.2/server/default/
21:29:49,014 INFO [Server] Server Data Dir: /usr/local/jboss-4.0.2/server/default/data
21:29:49,014 INFO [Server] Server Temp Dir: /usr/local/jboss-4.0.2/server/default/tmp
21:29:49,015 INFO [Server] Server Config URL: file:/usr/local/jboss-4.0.2/server/default/conf/
21:29:49,015 INFO [Server] Server Library URL: file:/usr/local/jboss-4.0.2/server/default/lib/
21:29:49,016 INFO [Server] Root Deployment Filename: jboss-service.xml
21:29:49,019 INFO [Server] Starting General Purpose Architecture (GPA)...
21:29:49,472 INFO [ServerInfo] Java version: 1.6.0_13,Sun Microsystems Inc.
21:29:49,472 INFO [ServerInfo] Java VM: Java HotSpot(TM) Server VM 11.3-b02,Sun Microsystems Inc.
21:29:49,473 INFO [ServerInfo] OS-System: Linux 2.6.27.12-170.2.5.fc10.i686.i386
21:29:50,153 INFO [Server] Core system initialized
21:29:52,582 INFO [Log4jService$URLWatchTimerTask] Configuring from URL: resource:log4j.xml
2009-04-28 21:29:52,760 INFO [WebService] Using RMI server codebase: http://localhost.localdomain:8083/
2009-04-28 21:29:53,104 INFO [NamingService] Started jndi bootstrap jnpPort=1099, rmiPort=1098, backlog=50
...
...

2009-04-28 21:31:05,688 INFO [LocaleFilter] Initializing filter 'LocaleFilter'
2009-04-28 21:31:05,689 INFO [LocaleFilter] Filter 'LocaleFilter' configured successfully
2009-04-28 21:31:05,713 INFO [EARDeployer] Started J2EE application: file:/usr/local/jboss-4.0.2/server/default
/deploy/lams.ear/
2009-04-28 21:31:05,846 INFO [Http11Protocol] Starting Coyote HTTP/1.1 on http-0.0.0.0-8080
2009-04-28 21:31:06,263 INFO [ChannelSocket] JK: ajpl3 listening on /0.0.0.0:8009
2009-04-28 21:31:06,281 INFO [JkMain] Jk running ID=0 time=0/53 config=null
2009-04-28 21:31:06,301 INFO [Server] JBoss (MX MicroKernel) [4.0.2 (build: CVSTag=JBoss_4_0_2
date=200505022023)] Started in 1m:17s:282ms

```

LAMS starts fine 🎉

Functional Test

Unknown macro: {live-template}