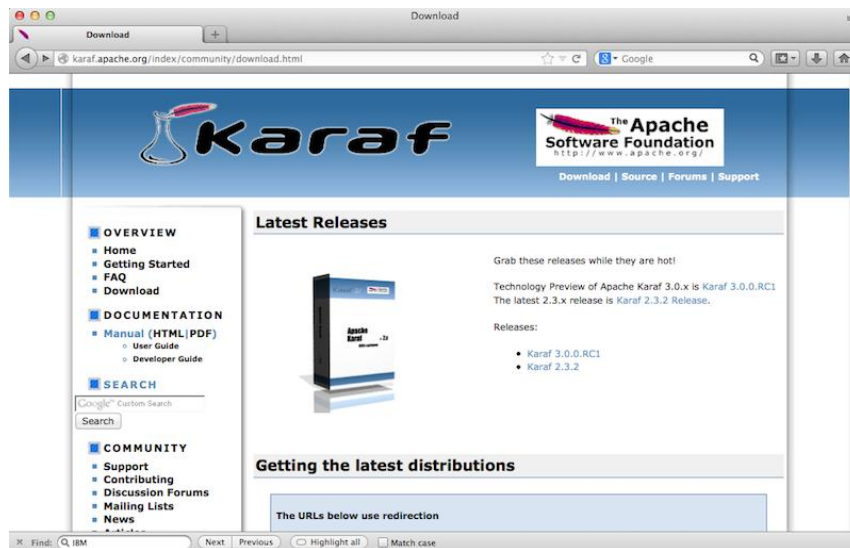


Chapter 1



```
icbts:LAK jgoodyear$ tar -zxf apache-karaf-2.3.2.tar.gz
icbts:LAK jgoodyear$ cd apache-karaf-2.3.2
icbts:apache-karaf-2.3.2 jgoodyear$ ls -lah
total 1808
drwxr-xr-x@ 15 jgoodyear  wheel   510B Aug  7 20:05 .
drwxr-xr-x@  4 jgoodyear  wheel   136B Aug  7 20:05 ..
-rw-r--r--@  1 jgoodyear  wheel    27K Jul  7 10:31 LICENSE
-rw-r--r--@  1 jgoodyear  wheel   1.8K Jul  7 10:31 NOTICE
-rw-r--r--@  1 jgoodyear  wheel   3.8K Jul  7 10:31 README
-rw-r--r--@  1 jgoodyear  wheel  123K Jul  7 10:31 RELEASE-NOTES
drwxr-xr-x@  9 jgoodyear  wheel   306B Aug  7 20:05 bin
drwxr-xr-x@  3 jgoodyear  wheel   102B Jul  7 10:31 data
drwxr-xr-x@  8 jgoodyear  wheel   272B Jul  7 10:31 demos
drwxr-xr-x@  3 jgoodyear  wheel   102B Jul  7 10:31 deploy
drwxr-xr-x@ 21 jgoodyear  wheel   714B Jul  7 10:31 etc
-rw-r--r--@  1 jgoodyear  wheel   263K Jul  7 10:30 karaf-manual-2.3.2.html
-rw-r--r--@  1 jgoodyear  wheel  480K Jul  7 10:30 karaf-manual-2.3.2.pdf
drwxr-xr-x@ 10 jgoodyear  wheel   340B Aug  7 20:05 lib
drwxr-xr-x@  3 jgoodyear  wheel   102B Jul  7 10:30 system
icbts:apache-karaf-2.3.2 jgoodyear$
```

```

    apache-karaf-2.3.2 — java — 69x15
icbts:apache-karaf-2.3.2 jgoodyear$ ./bin/karaf

      /_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_
     /_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_
    /_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_
   /_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_
  /_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_
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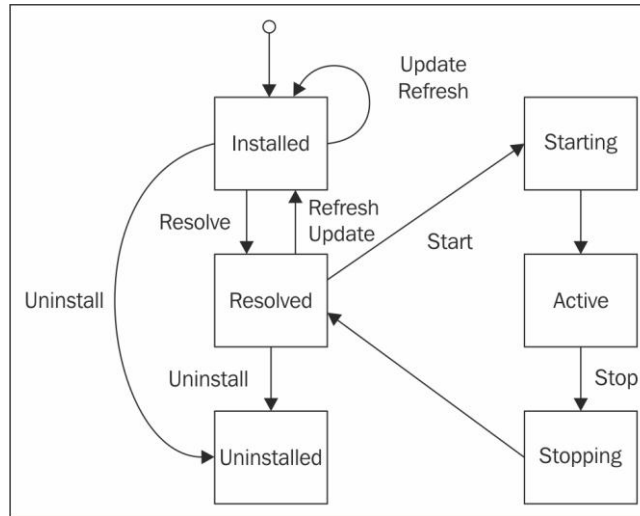
Apache Karaf (2.3.2)

Hit '<tab>' for a list of available commands
and '[cmd] --help' for help on a specific command.
Hit '<ctrl-d>' or type 'osgi:shutdown' or 'logout' to shutdown Karaf.

karaf@root> █

```

Chapter 2



Apache Karaf Web Console - Bundles

localhost:8181/system/console/bundles

Apache Karaf Web Console Bundles

Admin Bundles Configuration Configuration Status Events Features Gogo Licenses Log Service Services

System Information

Bundle information: 84 bundles in total, 83 bundles active, 1 active fragments, 0 bundles resolved, 0 bundles installed.

x Apply Filter		Filter All	Reload	Install/Update...	Refresh Packages
Id	Name	Version	Category	Status	Actions
0	System Bundle (org.apache.felix.framework)	4.0.3		Active	
13	Apache Aries Blueprint API (org.apache.aries.blueprint.api)	1.0.0		Active	
8	Apache Aries Blueprint CM (org.apache.aries.blueprint.cm)	1.0.1		Active	
7	Apache Aries Blueprint Core (org.apache.aries.blueprint.core)	1.1.0		Active	
20	Apache Aries JMX API (org.apache.aries.jmx.api)	1.1.0		Active	
39	Apache Aries JMX Blueprint API (org.apache.aries.jmx.blueprint.api)	1.1.0		Active	
37	Apache Aries JMX Blueprint Core (org.apache.aries.jmx.blueprint.core)	1.1.0		Active	
25	Apache Aries JMX Core (org.apache.aries.jmx.core)	1.1.1		Active	
12	Apache Aries Proxy API (org.apache.aries.proxy.api)	1.0.0		Active	
10	Apache Aries Proxy Service (org.apache.aries.proxy.impl)	1.0.1		Active	

Chapter 3

Apache Karaf Web Console Configuration

Admin Bundles **Configuration** Configuration Status Events Features Gogo Licenses Log Service Services System Information

Configuration Admin Service is running.

Name	Bundle	Actions
Apache Felix Web Console Event Plugin	-	[edit] [delete] [add]
Apache Karaf JMX Management	Apache Karaf :: Management	[edit] [delete] [add]
Apache Karaf Log	Apache Karaf :: Shell :: Log Commands	[edit] [delete] [add]
Apache Karaf Shell	Apache Karaf :: Shell :: SSH	[edit] [delete] [add]
Apache Karaf Shell Config	-	[edit] [delete] [add]
Maven URL Configuration	OPS4J Pax Uri - mvn:	[edit] [delete] [add]
org.apache.felix.fileinstall	-	[edit] [delete] [add]
org.apache.felix.fileinstall.f040af9c-c5f4-4a6c-9c89-7a1029fc1110	Apache Felix File Install	[edit] [delete] [add]
org.apache.karaf.features	-	[edit] [delete] [add]
org.apache.karaf.features.nhr	-	[edit] [delete] [add]

org.apache.felix.fileinstall

FileInstaller

Poll directory: /apache-karaf-2.3.1/deploy

Poll interval: 3000

Log level: 0

Start new bundles?: true

File name filter:

Temp directory: /apache-karaf-2.3.1/data/generated-bundles

No initial delay: true

Start bundles transiently: false

Use the bundle activation policy when starting: true

Bundles start level: 0

Configuration Information

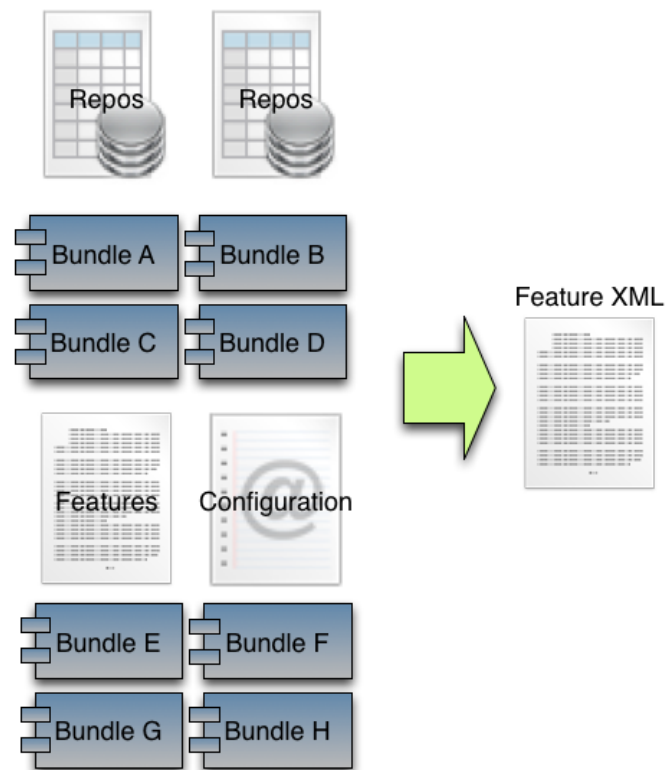
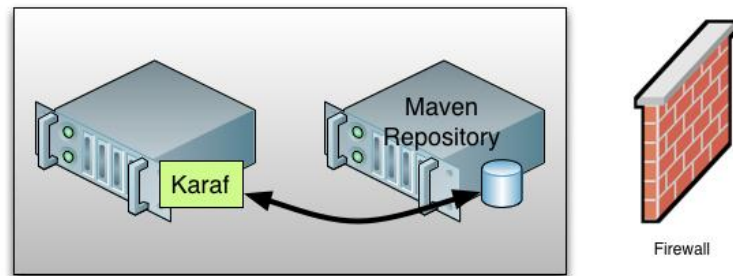
Persistent Identity (PID): org.apache.felix.fileinstall.f040af9c-c5f4-4a6c-9c89-7a1029fc1110

Factory Persistent Identifier (Factory PID): org.apache.felix.fileinstall

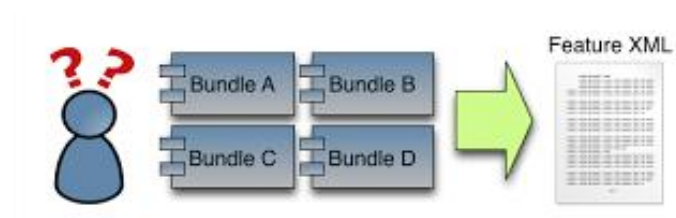
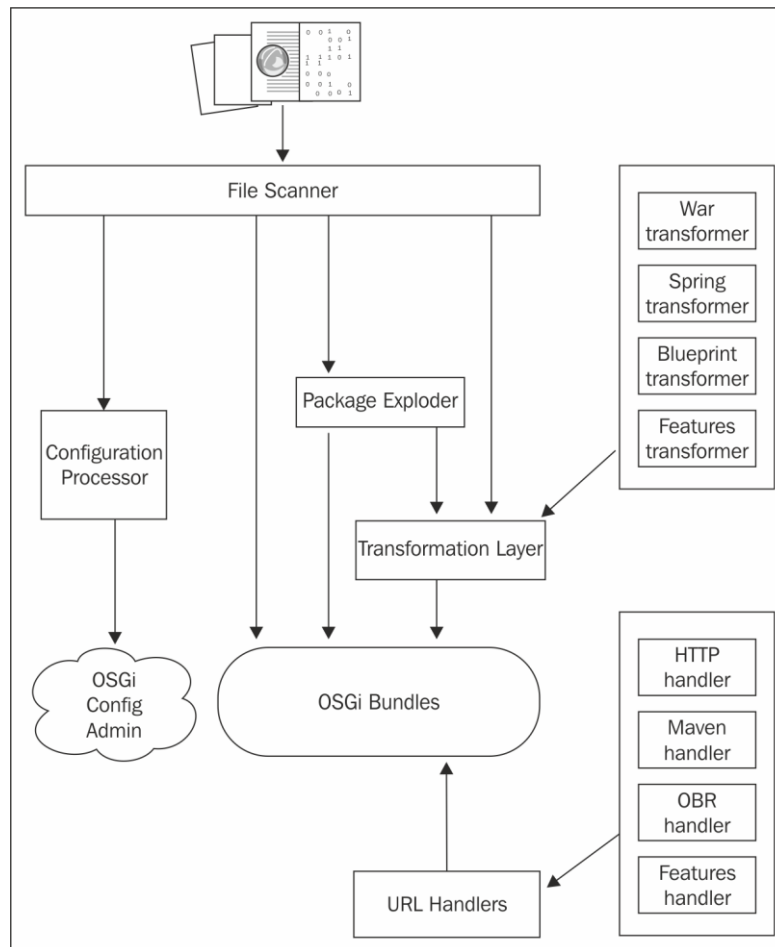
Configuration Binding: Apache Felix File Install (org.apache.felix.fileinstall), Version 3.2.6

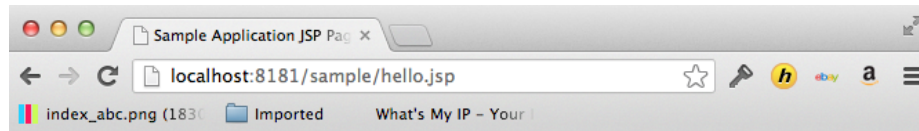
Save Unbind Delete Reset Cancel

Chapter 4



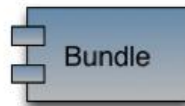
Chapter 5



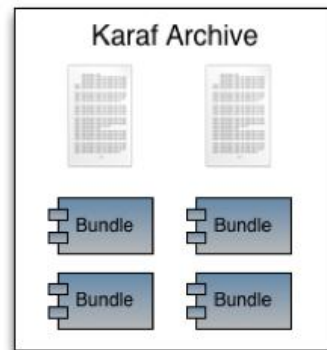


Sample Application JSP Page

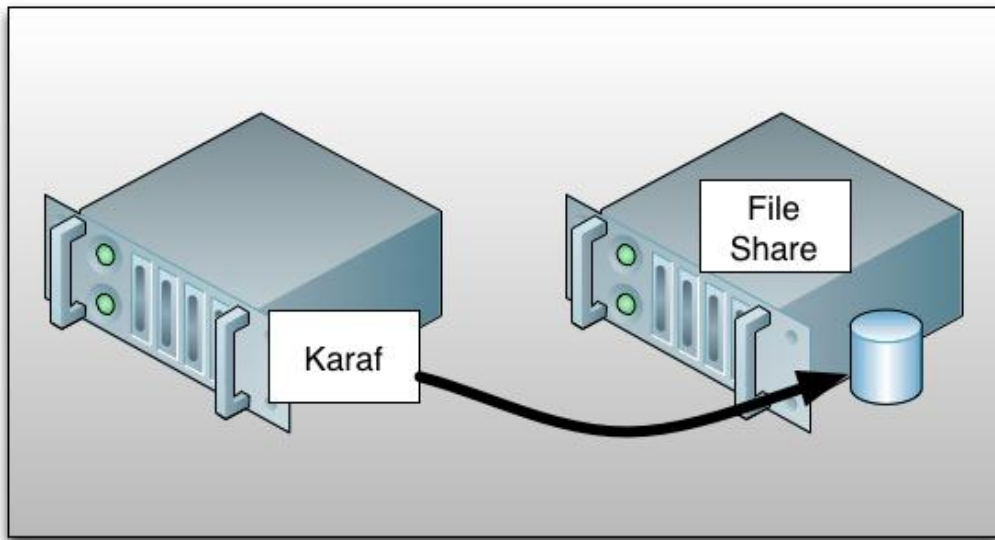
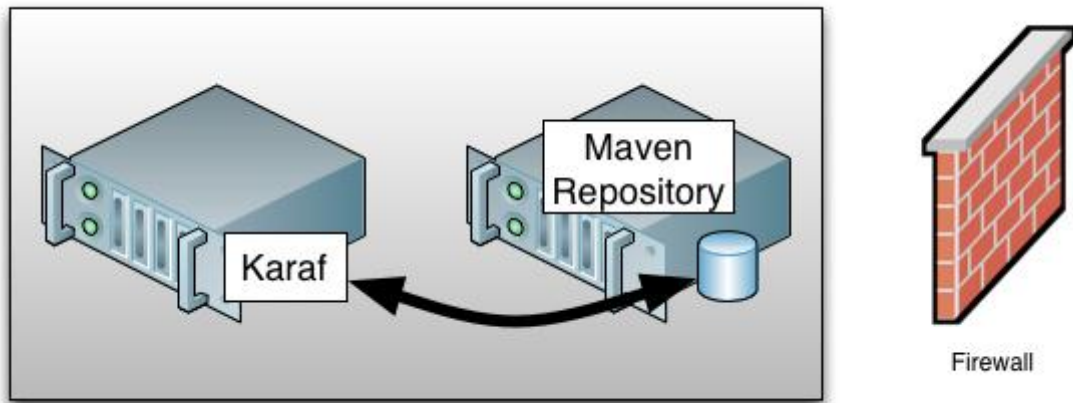
This is the output of a JSP page that is part of the Hello, World application.
Hello!

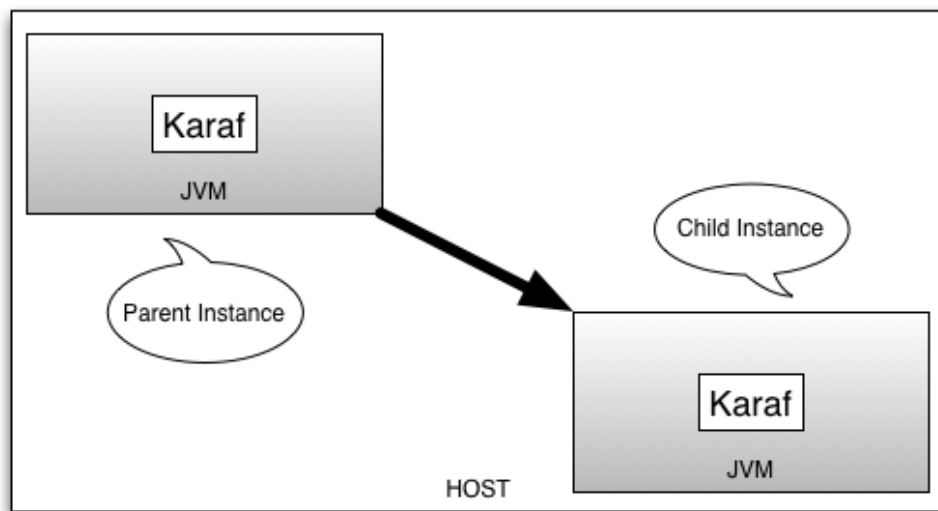
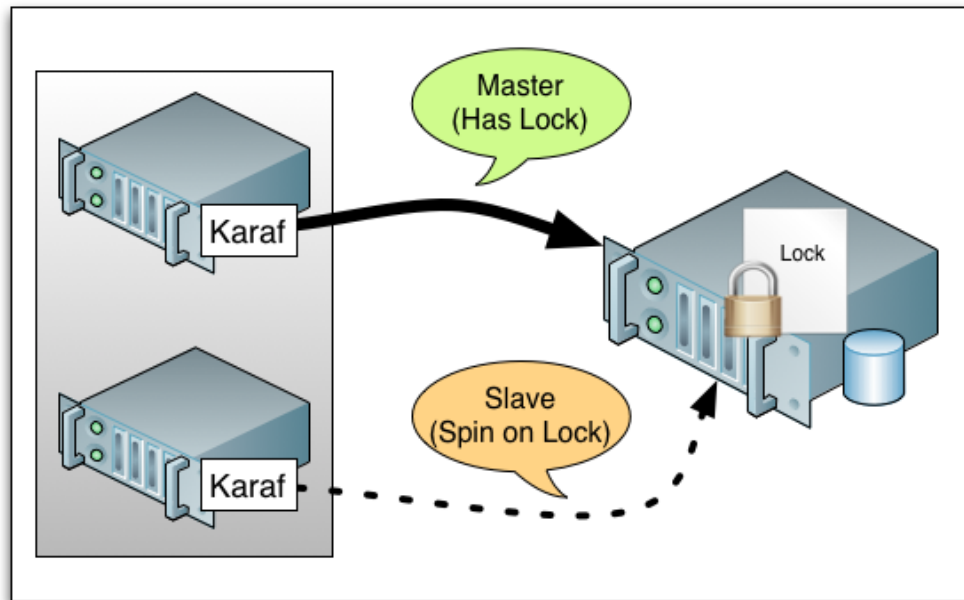


Feature XML



Chapter 6





Chapter 7

