

# how karaf loads big data plugins



yang dong 2 posts since Aug 22, 2018

**how karaf loads big data plugins** Aug 30, 2018 8:41 AM

I run kettle in idea.and add karaf to project path.it thorws the exception:

```
2018-08-30 16:29:48.222 INFO 2460 --- [ restartedMain]
org.pentaho.platform.osgi.KarafBoot : Checking to see if org.pentaho.clean.karaf.cache
is enabled
2018-08-30 16:29:48.231 DEBUG 2460 --- [ restartedMain]
o.ServerSocketBasedKarafInstanceResolver : Attempting to resolve available Karaf instance
number by way of Server Socket
2018-08-30 16:29:48.232 DEBUG 2460 --- [ restartedMain]
o.ServerSocketBasedKarafInstanceResolver : Instance test. Trying port 11001
2018-08-30 16:29:49.234 DEBUG 2460 --- [ restartedMain]
o.ServerSocketBasedKarafInstanceResolver : Karaf instance resolved to: 1
2018-08-30 16:29:52.252 INFO 2460 --- [ restartedMain]
org.pentaho.platform.osgi.KarafInstance :
*****
*** Karaf Instance Number: 1 at D:\ideaProjects\kettle\.system\kar ***
*** af\caches\kettleenvironment\data-1 ***
*** FastBin Provider Port:52901 ***
*** Karaf Port:8802 ***
*** OSGI Service Port:9051 ***
*****
Apache Karaf starting up. Press Enter to open the shell now...
2018-08-30 16:29:52.631 INFO 2460 --- [ Thread-38]
org.apache.karaf.main.Main : Lock acquired. Setting startlevel to 100
19% [=====] 2018-08-30
16:29:53.066 INFO 2460 --- [FelixStartLevel] o.a.karaf.service.guard.impl.Activator : No
role-based security for services as its system property is not set: karaf.secured.services
32% [=====] 2018-08-30
16:29:53.394 INFO 2460 --- [FelixStartLevel] o.a.a.b.c.BlueprintContainerImpl :
Bundle pentaho-webjars-deployer is waiting for namespace handlers [http://aries.apache.org/
blueprint/xmlns/blueprint-cm/v1.1.0]
45% [=====] 2018-08-30
16:30:01.438 INFO 2460 --- [ Thread-46] o.a.k.f.internal.FeaturesServiceImpl :
Installing feature pentaho-client-minimal 1.0
2018-08-30 16:30:01.438 INFO 2460 --- [ Thread-46]
o.a.k.f.internal.FeaturesServiceImpl : Installing feature pentaho-base 1.0
2018-08-30 16:30:01.438 INFO 2460 --- [ Thread-46]
o.a.k.f.internal.FeaturesServiceImpl : Installing feature pentaho-deployers 1.0
2018-08-30 16:30:01.438 INFO 2460 --- [FelixStartLevel]
o.a.a.b.c.BlueprintContainerImpl : Bundle org.apache.karaf.features.command is
waiting for namespace handlers [http://karaf.apache.org/xmlns/shell/v1.1.0]
47% [=====] 2018-08-30
16:30:01.453 INFO 2460 --- [ Thread-46] o.a.k.f.internal.FeaturesServiceImpl :
Installing feature pentaho-webjars-deployer 7.1.0.0-12
```

## how karaf loads big data plugins

```
2018-08-30 16:30:01.485 INFO 2460 --- [ Thread-46]
o.a.k.f.internal.FeaturesServiceImpl : Installing feature pentaho-cache-system 1.0
2018-08-30 16:30:01.485 INFO 2460 --- [ Thread-46]
o.a.k.f.internal.FeaturesServiceImpl : Installing feature transaction 1.1.1
2018-08-30 16:30:01.500 INFO 2460 ---
[FelixStartLevel] .k.s.s.i.SecuredCommandConfigTransformer : Generating
command ACL config org.apache.karaf.command.acl.scope_bundle into service
ACL configs [org.apache.karaf.service.acl.command.scope_bundle.shell,
org.apache.karaf.service.acl.command.scope_bundle.packages,
org.apache.karaf.service.acl.command.scope_bundle.admin,
org.apache.karaf.service.acl.command.scope_bundle.ssh,
org.apache.karaf.service.acl.command.scope_bundle.osgi,
org.apache.karaf.service.acl.command.scope_bundle.config,
org.apache.karaf.service.acl.command.scope_bundle.jaas,
org.apache.karaf.service.acl.command.scope_bundle.features,
org.apache.karaf.service.acl.command.scope_bundle.log]
2018-08-30 16:30:01.601 INFO 2460 ---
[FelixStartLevel] .k.s.s.i.SecuredCommandConfigTransformer : Generating
command ACL config org.apache.karaf.command.acl.feature into service
ACL configs [org.apache.karaf.service.acl.command.feature.uninstall,
org.apache.karaf.service.acl.command.feature.install]
2018-08-30 16:30:01.617 INFO 2460 --- [ Thread-46]
o.a.k.f.internal.FeaturesServiceImpl : Installing feature pentaho-il8n 7.1.0.0-12
2018-08-30 16:30:01.633 INFO 2460 ---
[FelixStartLevel] .k.s.s.i.SecuredCommandConfigTransformer : Generating
command ACL config org.apache.karaf.command.acl.shell into service
ACL configs [org.apache.karaf.service.acl.command.shell.java,
org.apache.karaf.service.acl.command.shell.new,
org.apache.karaf.service.acl.command.shell.edit,
org.apache.karaf.service.acl.command.shell.exec]
2018-08-30 16:30:01.648 INFO 2460 ---
[FelixStartLevel] .k.s.s.i.SecuredCommandConfigTransformer : Generating
command ACL config org.apache.karaf.command.acl.system into service
ACL configs [org.apache.karaf.service.acl.command.system.property,
org.apache.karaf.service.acl.command.system.shutdown,
org.apache.karaf.service.acl.command.system.start-level]
2018-08-30 16:30:01.679 INFO 2460 ---
[FelixStartLevel] .k.s.s.i.SecuredCommandConfigTransformer : Generating
command ACL config org.apache.karaf.command.acl.config into service
ACL configs [org.apache.karaf.service.acl.command.config.property-
append, org.apache.karaf.service.acl.command.config.property-
delete, org.apache.karaf.service.acl.command.config.property-set,
org.apache.karaf.service.acl.command.config.edit,
org.apache.karaf.service.acl.command.config.update,
org.apache.karaf.service.acl.command.config.cancel,
org.apache.karaf.service.acl.command.config.delete]
2018-08-30 16:30:01.711 INFO 2460 ---
[FelixStartLevel] .k.s.s.i.SecuredCommandConfigTransformer : Generating
command ACL config org.apache.karaf.command.acl.jaas into service ACL configs
[org.apache.karaf.service.acl.command.jaas.update]
2018-08-30 16:30:01.711 INFO 2460 ---
[FelixStartLevel] .k.s.s.i.SecuredCommandConfigTransformer : Generating
command ACL config org.apache.karaf.command.acl.bundle into service
ACL configs [org.apache.karaf.service.acl.command.bundle.watch,
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## how karaf loads big data plugins

```
org.apache.karaf.service.acl.command.bundle.update,
org.apache.karaf.service.acl.command.bundle.install,
org.apache.karaf.service.acl.command.bundle.uninstall,
org.apache.karaf.service.acl.command.bundle.refresh,
org.apache.karaf.service.acl.command.bundle.restart,
org.apache.karaf.service.acl.command.bundle.stop,
org.apache.karaf.service.acl.command.bundle.start]
2018-08-30 16:30:01.758 INFO 2460 ---
[FelixStartLevel] .k.s.s.i.SecuredCommandConfigTransformer : Generating
command ACL config org.apache.karaf.command.acl.kar into service
ACL configs [org.apache.karaf.service.acl.command.kar.uninstall,
org.apache.karaf.service.acl.command.kar.install]
48% [=====] 2018-08-30
16:30:01.789 INFO 2460 --- [FelixStartLevel] o.a.a.b.c.BlueprintContainerImpl
: Bundle org.apache.karaf.jaas.modules is waiting for namespace handlers [http://
karaf.apache.org/xmlns/jaas/v1.0.0]
61% [=====] 2018-08-30
16:30:01.961 INFO 2460 --- [ Thread-46] o.a.k.f.internal.FeaturesServiceImpl :
Installing feature config 3.0.3
69% [=====] 2018-08-30
16:30:43.527 INFO 2460 --- [FelixStartLevel] o.a.a.b.c.BlueprintContainerImpl
: Bundle org.apache.aries.transaction.blueprint is waiting for dependencies
[(objectClass=javax.transaction.TransactionManager)]
86% [=====]
]ERROR: Bundle pentaho-blueprint-activators-7.1.0.0 [59] Error starting
blueprint:mvn:pentaho/pentaho-blueprint-activators/7.1.0.0-12/xml/standard
(org.osgi.framework.BundleException: Unresolved constraint in bundle pentaho-
blueprint-activators-7.1.0.0 [59]: Unable to resolve 59.0: missing requirement [59.0]
org.osgi.wiring.package; (org.osgi.wiring.package=org.pentaho.platform.osgi))
org.osgi.framework.BundleException: Unresolved constraint in bundle pentaho-
blueprint-activators-7.1.0.0 [59]: Unable to resolve 59.0: missing requirement [59.0]
org.osgi.wiring.package; (org.osgi.wiring.package=org.pentaho.platform.osgi)
at org.apache.felix.framework.Felix.resolveBundleRevision(Felix.java:4002)
at org.apache.felix.framework.Felix.startBundle(Felix.java:2045)
at org.apache.felix.framework.Felix.setActiveStartLevel(Felix.java:1299)
at org.apache.felix.framework.FrameworkStartLevelImpl.run(FrameworkStartLevelImpl.java:304)
at java.lang.Thread.run(Thread.java:748)
89% [=====]
]org.osgi.framework.BundleException: Unresolved constraint in bundle pentaho-osgi-
utils-impl [62]: Unable to resolve 62.0: missing requirement [62.0] org.osgi.wiring.package;
(&(org.osgi.wiring.package=org.pentaho.capabilities.api)(version>=7.1.0)(!(version>=8.0.0)))
at org.apache.felix.framework.Felix.resolveBundleRevision(Felix.java:4002)
at org.apache.felix.framework.Felix.startBundle(Felix.java:2045)
at org.apache.felix.framework.Felix.setActiveStartLevel(Felix.java:1299)
at org.apache.felix.framework.FrameworkStartLevelImpl.run(FrameworkStartLevelImpl.java:304)
at java.lang.Thread.run(Thread.java:748)
ERROR: Bundle pentaho-osgi-utils-impl [62] Error starting mvn:pentaho/pentaho-osgi-
utils-impl/7.1.0.0-12 (org.osgi.framework.BundleException: Unresolved constraint in
bundle pentaho-osgi-utils-impl [62]: Unable to resolve 62.0: missing requirement [62.0]
org.osgi.wiring.package; (&(org.osgi.wiring.package=org.pentaho.capabilities.api)(version>=7.1.0)(!
(version>=8.0.0))))
org.osgi.framework.BundleException: Unresolved constraint in bundle pentaho-mongodb-
plugin [65]: Unable to resolve 65.0: missing requirement [65.0] org.osgi.wiring.package;
(org.osgi.wiring.package=org.pentaho.di.core)
```

## how karaf loads big data plugins

```
at org.apache.felix.framework.Felix.resolveBundleRevision(Felix.java:4002)
at org.apache.felix.framework.Felix.startBundle(Felix.java:2045)
at org.apache.felix.framework.Felix.setActiveStartLevel(Felix.java:1299)
at org.apache.felix.framework.FrameworkStartLevelImpl.run(FrameworkStartLevelImpl.java:304)
at java.lang.Thread.run(Thread.java:748)
org.osgi.framework.BundleException: Unresolved constraint in bundle meta-inject-
plugin [66]: Unable to resolve 66.0: missing requirement [66.0] osgi.wiring.package;
(osgi.wiring.package=org.pentaho.di.core)
at org.apache.felix.framework.Felix.resolveBundleRevision(Felix.java:4002)
at org.apache.felix.framework.Felix.startBundle(Felix.java:2045)
at org.apache.felix.framework.Felix.setActiveStartLevel(Felix.java:1299)
at org.apache.felix.framework.FrameworkStartLevelImpl.run(FrameworkStartLevelImpl.java:304)
at java.lang.Thread.run(Thread.java:748)
91% [=====>] ERROR:
Bundle pentaho-mongodb-plugin [65] Error starting wrap:mvn:pentaho/pentaho-mongodb-
plugin/7.1.0.0-12 (org.osgi.framework.BundleException: Unresolved constraint in
bundle pentaho-mongodb-plugin [65]: Unable to resolve 65.0: missing requirement [65.0]
osgi.wiring.package; (osgi.wiring.package=org.pentaho.di.core))
org.osgi.framework.BundleException: Unresolved constraint in bundle pdi-osgi-bridge-
activator [68]: Unable to resolve 68.0: missing requirement [68.0] osgi.wiring.package;
(&(osgi.wiring.package=org.pentaho.capabilities.api)(version>=7.1.0)(!(version>=8.0.0)))
at org.apache.felix.framework.Felix.resolveBundleRevision(Felix.java:4002)
at org.apache.felix.framework.Felix.startBundle(Felix.java:2045)
at org.apache.felix.framework.Felix.setActiveStartLevel(Felix.java:1299)
at org.apache.felix.framework.FrameworkStartLevelImpl.run(FrameworkStartLevelImpl.java:304)
ERROR: Bundle meta-inject-plugin [66] Error starting wrap:mvn:org.pentaho/meta-
inject-plugin/7.1.0.0-12 (org.osgi.framework.BundleException: Unresolved constraint
in bundle meta-inject-plugin [66]: Unable to resolve 66.0: missing requirement [66.0]
osgi.wiring.package; (osgi.wiring.package=org.pentaho.di.core))
at java.lang.Thread.run(Thread.java:748)
92% [=====>] ERROR:
Bundle pdi-osgi-bridge-activator [68] Error starting mvn:pentaho/pdi-osgi-bridge-
activator/7.1.0.0-12 (org.osgi.framework.BundleException: Unresolved constraint in
bundle pdi-osgi-bridge-activator [68]: Unable to resolve 68.0: missing requirement [68.0]
osgi.wiring.package; (&(osgi.wiring.package=org.pentaho.capabilities.api)(version>=7.1.0)(!
(version>=8.0.0))))
100% [=====]
Karaf started in 51s. Bundle stats: 63 active, 68 total
2018-08-30 16:31:33.625 ERROR 2460 --- [ Timeout Thread]
o.p.di.osgi.KarafLifecycleListener : The Kettle Karaf Lifecycle Listener failed to
execute properly after waiting for 100 seconds. Releasing lifecycle hold, but some services
may be unavailable.
2018/08/30 16:31:33 - General - Plugin KettleXmlPlugin does not implement GUIOption, it
will not be editable
```