

I see, here is a snippet of the log that shows the error:

```
05:50:38,926 | INFO | container/deploy | ? | ? | 6 - org.apache.felix.fileinstall - 3.4.2 | Uninstalling bundle 4
05:50:38,927 | INFO | container/deploy | nt.container.BlueprintExtender$3 299 | 7 - org.apache.aries.blueprint.core - 1.4.0 | Destroying Bluepri
05:51:27,061 | INFO | container/deploy | ? | ? | 6 - org.apache.felix.fileinstall - 3.4.2 | Installing bundle den
05:51:27,187 | INFO | container/deploy | r.internal.JobTracker$Customizer 106 | 199 - org.talend.esb.job.controller - 5.6.1 | Service with refer
05:51:27,206 | WARN | container/deploy | s.blueprint.container.BeanRecipe 851 | 7 - org.apache.aries.blueprint.core - 1.4.0 | Object to be destr
05:51:27,206 | ERROR | container/deploy | container.BlueprintContainerImpl 402 | 7 - org.apache.aries.blueprint.core - 1.4.0 | Unable to start bl

org.osgi.service.blueprint.container.ComponentDefinitionException: Unable to instantiate components
at org.apache.aries.blueprint.container.BlueprintContainerImpl.instantiateEagerComponents(BlueprintContainerImpl.java:685)[7:org.apache.aries.bl
at org.apache.aries.blueprint.container.BlueprintContainerImpl.doRun(BlueprintContainerImpl.java:378)[7:org.apache.aries.blueprint.core:1.4.0]
at org.apache.aries.blueprint.container.BlueprintContainerImpl.run(BlueprintContainerImpl.java:269)[7:org.apache.aries.blueprint.core:1.4.0]
at org.apache.aries.blueprint.container.BlueprintExtender.createContainer(BlueprintExtender.java:276)[7:org.apache.aries.blueprint.core:1.4.0]
at org.apache.aries.blueprint.container.BlueprintExtender.createContainer(BlueprintExtender.java:245)[7:org.apache.aries.blueprint.core:1.4.0]
at org.apache.aries.blueprint.container.BlueprintExtender.modifiedBundle(BlueprintExtender.java:235)[7:org.apache.aries.blueprint.core:1.4.0]
at org.apache.aries.util.tracker.hook.BundleHookBundleTracker$Tracked.customizerModified(BundleHookBundleTracker.java:500)[10:org.apache.aries.ut
at org.apache.aries.util.tracker.hook.BundleHookBundleTracker$Tracked.customizerModified(BundleHookBundleTracker.java:433)[10:org.apache.aries.ut
at org.apache.aries.util.tracker.hook.BundleHookBundleTracker$AbstractTracked.track(BundleHookBundleTracker.java:725)[10:org.apache.aries.util:1.
at org.apache.aries.util.tracker.hook.BundleHookBundleTracker$Tracked.bundleChanged(BundleHookBundleTracker.java:463)[10:org.apache.aries.util:1.
at org.apache.aries.util.tracker.hook.BundleHookBundleTracker$BundleEventHook.event(BundleHookBundleTracker.java:422)[10:org.apache.aries.util:1.
at org.eclipse.osgi.framework.internal.core.Framework$10.call(Framework.java:1606)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.eclipse.osgi.internal.serviceregistry.ServiceRegistry.notifyHookPrivileged(ServiceRegistry.java:1239)[org.eclipse.osgi-3.8.0.v20120529-154
at org.eclipse.osgi.internal.serviceregistry.ServiceRegistry.notifyHooksPrivileged(ServiceRegistry.java:1222)[org.eclipse.osgi-3.8.0.v20120529-15
at org.eclipse.osgi.framework.internal.core.Framework.notifyEventHooksPrivileged(Framework.java:1603)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.eclipse.osgi.framework.internal.core.Framework.publishBundleEventPrivileged(Framework.java:1558)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.eclipse.osgi.framework.internal.core.Framework.publishBundleEvent(Framework.java:1505)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.eclipse.osgi.framework.internal.core.Framework.publishBundleEvent(Framework.java:1500)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.eclipse.osgi.framework.internal.core.BundleHost.startWorker(BundleHost.java:391)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.eclipse.osgi.framework.internal.core.AbstractBundle.start(AbstractBundle.java:300)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.apache.felix.fileinstall.internal.DirectoryWatcher.startBundle(DirectoryWatcher.java:1245)[6:org.apache.felix.fileinstall:3.4.2]
at org.apache.felix.fileinstall.internal.DirectoryWatcher.startBundles(DirectoryWatcher.java:1217)[6:org.apache.felix.fileinstall:3.4.2]
at org.apache.felix.fileinstall.internal.DirectoryWatcher.doProcess(DirectoryWatcher.java:509)[6:org.apache.felix.fileinstall:3.4.2]
at org.apache.felix.fileinstall.internal.DirectoryWatcher.process(DirectoryWatcher.java:358)[6:org.apache.felix.fileinstall:3.4.2]
at org.apache.felix.fileinstall.internal.DirectoryWatcher.run(DirectoryWatcher.java:310)[6:org.apache.felix.fileinstall:3.4.2]
```

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Caused by: java.lang.NoClassDefFoundError: routines/MRZInfo
at java.lang.Class.getDeclaredConstructors0(Native Method)[:1.7.0_75]
at java.lang.Class.privateGetDeclaredConstructors(Class.java:2585)[:1.7.0_75]
at java.lang.Class.getConstructors(Class.java:1522)[:1.7.0_75]
at org.apache.aries.blueprint.container.BeanRecipe.findMatchingConstructors(BeanRecipe.java:509)
at org.apache.aries.blueprint.container.BeanRecipe.getInstance(BeanRecipe.java:327)
at org.apache.aries.blueprint.container.BeanRecipe.internalCreate2(BeanRecipe.java:806)
at org.apache.aries.blueprint.container.BeanRecipe.internalCreate(BeanRecipe.java:787)
at org.apache.aries.blueprint.di.AbstractRecipe$1.call(AbstractRecipe.java:79)
at java.util.concurrent.FutureTask.run(FutureTask.java:262)[:1.7.0_75]
at org.apache.aries.blueprint.di.AbstractRecipe.create(AbstractRecipe.java:88)
at org.apache.aries.blueprint.di.RefRecipe.internalCreate(RefRecipe.java:62)
at org.apache.aries.blueprint.di.AbstractRecipe.create(AbstractRecipe.java:106)
at org.apache.aries.blueprint.container.ServiceRecipe.createService(ServiceRecipe.java:284)[7:org.apache.aries.blueprint.core:1.4.0]
at org.apache.aries.blueprint.container.ServiceRecipe.internalGetService(ServiceRecipe.java:251)[7:org.apache.aries.blueprint.core:1.4.0]
at org.apache.aries.blueprint.container.ServiceRecipe.getService(ServiceRecipe.java:354)[7:org.apache.aries.blueprint.core:1.4.0]
at org.apache.aries.blueprint.container.ServiceRecipe$TriggerServiceFactory.getService(ServiceRecipe.java:507)
at org.eclipse.osgi.internal.serviceregistry.ServiceUse$1.run(ServiceUse.java:141)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at java.security.AccessController.doPrivileged(Native Method)[:1.7.0_75]
at org.eclipse.osgi.internal.serviceregistry.ServiceUse.getService(ServiceUse.java:139)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.eclipse.osgi.internal.serviceregistry.ServiceRegistrationImpl.getService(ServiceRegistrationImpl.java:468)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.eclipse.osgi.internal.serviceregistry.ServiceRegistry.getService(ServiceRegistry.java:467)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.eclipse.osgi.framework.internal.core.BundleContextImpl.getService(BundleContextImpl.java:594)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.talend.esb.job.controller.internal.JobTracker$Customizer.addingService(JobTracker.java:107)
at org.osgi.util.tracker.ServiceTracker$Tracked.customizerAdding(ServiceTracker.java:932)[karaf.jar:2.3.9]
at org.osgi.util.tracker.ServiceTracker$Tracked.customizerAdding(ServiceTracker.java:1)[karaf.jar:2.3.9]
at org.osgi.util.tracker.AbstractTracked.trackAdding(AbstractTracked.java:256)[karaf.jar:2.3.9]
at org.osgi.util.tracker.AbstractTracked.track(AbstractTracked.java:229)[karaf.jar:2.3.9]
at org.osgi.util.tracker.ServiceTracker$Tracked.serviceChanged(ServiceTracker.java:894)[karaf.jar:2.3.9]
at org.eclipse.osgi.internal.serviceregistry.FilteredServiceListener.serviceChanged(FilteredServiceListener.java:107)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.eclipse.osgi.framework.internal.core.BundleContextImpl.dispatchEvent(BundleContextImpl.java:861)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.eclipse.osgi.framework.eventmgr.EventManager.dispatchEvent(EventManager.java:230)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.eclipse.osgi.framework.eventmgr.ListenerQueue.dispatchEventSynchronous(ListenerQueue.java:148)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.eclipse.osgi.internal.serviceregistry.ServiceRegistry.publishServiceEventPrivileged(ServiceRegistry.java:819)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.eclipse.osgi.internal.serviceregistry.ServiceRegistry.publishServiceEvent(ServiceRegistry.java:771)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.eclipse.osgi.internal.serviceregistry.ServiceRegistrationImpl.register(ServiceRegistrationImpl.java:130)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.eclipse.osgi.internal.serviceregistry.ServiceRegistry.registerService(ServiceRegistry.java:214)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.eclipse.osgi.framework.internal.core.BundleContextImpl.registerService(BundleContextImpl.java:433)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
at org.apache.aries.blueprint.container.BlueprintContainerImpl.registerService(BlueprintContainerImpl.java:452)[7:org.apache.aries.blueprint.core:1.4.0]
at org.apache.aries.blueprint.container.ServiceRecipe.register(ServiceRecipe.java:192)[7:org.apache.aries.blueprint.core:1.4.0]
at org.apache.aries.blueprint.container.BlueprintContainerImpl.registerServices(BlueprintContainerImpl.java:703)[7:org.apache.aries.blueprint.core:1.4.0]
at org.apache.aries.blueprint.container.BlueprintContainerImpl.doRun(BlueprintContainerImpl.java:377)[7:org.apache.aries.blueprint.core:1.4.0]
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... 23 more
Caused by: java.lang.ClassNotFoundException: routines.MRZInfo
  at org.eclipse.osgi.internal.loader.BundleLoader.findClassInternal(BundleLoader.java:501)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
  at org.eclipse.osgi.internal.loader.BundleLoader.findClass(BundleLoader.java:421)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
  at org.eclipse.osgi.internal.loader.BundleLoader.findClass(BundleLoader.java:412)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]
  at org.eclipse.osgi.internal.baseadaptor.DefaultClassLoader.loadClass(DefaultClassLoader.java:107)[org.eclipse.osgi-3.8.0.v20120529-1548.jar:]

  at java.lang.ClassLoader.loadClass(ClassLoader.java:358)[:1.7.0_75]
  ... 64 more
05:51:27,231 | INFO | container/deploy | ? | 6 - org.apache.felix.fileinstall - 3.4.2 | Started bundle: file:
```

My job, I am creating an object of type **MRZInfo** which is calling a routine code. Code snippet:

```
MRZInfo mrz = new MRZInfo(input_string);
```

The routine code extends another routine code which implements another routine code which extends java serializable. Here is a diagram:

**routines.MRZInfo** extends **routines.AbstractLDSInfo** implements **routine.LDSElement** extends **Serializable**

Hope this little explanation helps.