

Problems with Weld

Summary

Before you start reading the summary we would like to mention that we observe a quite good progress and over time CDI implementations are getting better.

We are aware that implementing a CDI container is not an easy task (esp. concerning real portability) and we have high respect for all committers who are working on a CDI implementation (currently: Weld, OpenWebBeans and CanDI). **This page does not intend to blame a group of committers** - it's just a summary of what was experienced/reported (by different users) so far.

We test all features with Apache OpenWebBeans which is very solid and currently offers a better performance than Weld.

However, we also have some tests and [examples](#) for Glassfish3/Weld as well as JBoss AS 7. The problem is: so far every Weld release fixed some issues but also introduced at least one new major issue (at least up to v1.1.1 - some of them might be specific to a specific application server).

We already implemented a lot of workarounds for Weld. However, there are different Weld issue (in different versions) we can't bypass. We already filed several bug reports.

If you are facing a problem in combination with CODI, **please contact our [mailing-list](#)**. Since we know most of the issues the answer will be "Please use /try ..." or "Please file a bug report for Weld" or "We are aware of it and we already filed a bug report" or "You can try the manual workaround: ...". However, please contact us in any case because you might have found a new problem.

Recommendations

We recommend Apache OpenWebBeans (and no - not because it's the CDI implementation hosted at Apache 🍌). OpenWebBeans in combination with CODI is successfully used for several ! real world ! applications which serve millions requests a day and allows to use e.g. advanced plug-ins like the CODI Boost Add-on. In case of JBoss Weld we recommend version 1.1.4+ (and v1.1.1 as an absolute minimum).

Tested environments

see [Intro and Compatibility](#)

Glassfish v3 and new versions of Weld

Usually it's possible to upgrade Glassfish with the newest version of Weld. That's not the case with Weld v1.1.2 due to a cache which broke the integration with Glassfish **at least** up to v3.1.1. Since CODI will resolve the first bean you will see e.g. something like: Critical error during deployment: java.lang.NoClassDefFoundError: org/jboss/weld/context/cache/RequestScopedBeanCache at org.apache.myfaces.extensions.cdi.core.api.config.CodiCoreConfig\$Proxy\$\$\$_WeldClientProxy.isAdvancedQualifierRequiredForDependencyInjection(CodiCoreConfig\$Proxy\$\$\$_WeldClientProxy.java). However, that isn't a CODI bug. If you use the version of weld which is supported by Glassfish officially, you won't have such problems.