

# HowToRunTapestry5OnJBoss6Dot0

Tapestry 5.x cannot find the core pages and components from the URLs provided from classloaders in JBoss 6.0. We will override Tapestry's `ClasspathURLConverter` with one customised for JBoss 6.0. This builds on the work done for JBoss 5 in <https://issues.apache.org/jira/browse/TAP5-576>.

```
public class ClasspathURLConverterJBoss6Dot0 implements ClasspathURLConverter
{
    private static Logger log = Logger.getLogger(ClasspathURLConverterJBoss6Dot0.class);

    public URL convert(URL url)
    {
        // If the URL is a "vfs" URL (JBoss 6.0 uses a Virtual File System)...

        if (url != null && url.getProtocol().startsWith("vfs"))
        {
            // Ask the VFS what the physical URL is...

            try
            {
                URLConnection connection = url.openConnection();
                Object jBossVirtualFile = connection.getContent();
                // Use reflection so that we don't need JBoss in the classpath at compile time.
                File physicalFile = (File) invoke(jBossVirtualFile, "getPhysicalFile");
                URL physicalFileURL = physicalFile.toURI().toURL();
                return physicalFileURL;
            }
            catch (Exception e)
            {
                logger.error(e.getCause().toString());
            }
        }

        return url;
    }

    private Object invokerGetter(Object target, String getter) throws NoSuchMethodException,
        InvocationTargetException, IllegalAccessException
    {
        Class<?> type = target.getClass();
        Method method;
        try
        {
            {
                method = type.getMethod(getter);
            }
            catch (NoSuchMethodException e)
            {
                method = type.getDeclaredMethod(getter);
                method.setAccessible(true);
            }
            return method.invoke(target);
        }
    }
}
```

To override the default implementation of `ClasspathURLConverter`, just add the above `ClasspathURLConverterJBoss6Dot0.java` to your project and add the following piece of code to your `AppModule.java`.

```
public static void contributeServiceOverride(MappedConfiguration<Class, Object> configuration)
{
    configuration.add(ClasspathURLConverter.class, new ClasspathURLConverterJBoss6Dot0());
}
```

The above just override the default `ClasspathURLConverter` service. For more information on overriding a general service, please see <http://tapestry.apache.org/ioc-cookbook-overriding-ioc-services.html>.

The above fix has been tested with Tapestry 5.2 on JBoss 6.0.0.