

Class Not Found Issues

Permalink to this page: <https://wiki.apache.org/confluence/x/tSkIBg>

Preface

This page discusses the various ways you see Class Not Found errors or very similar errors. It is strongly advised you read the following topics:

- Classloader HOWTO pages: [Tomcat 9.0](#), [Tomcat 8.5](#), [Tomcat 7.0](#), (historic: [Tomcat 6.0](#)).
- [Don't use packageless classes and declare all imported classes!](#)
- [Another answer to a classloader issue](#)

If you get a `NoClassDefFoundError` exception, the root cause might be the same as for a `ClassNotFoundException` exception.

Questions

1. [Why is jsp:useBean is not working?](#)
2. [Why do I get java.lang.NoClassDefFoundError: javax/servlet/Filter?](#)
3. [Why do I get java.lang.NoClassDefFoundError: org/xml/sax/InputSource?](#)

Answers

Why is `jsp:useBean` is not working?

Make sure:

- Your bean is packaged in a class.
- You have fully qualified your class name (e.g.: `com.bar.package.MyClass`) OR
- You have imported your class into your jsp (e.g.: `<%@ page import="com.bar.package.MyClass"%>`)

Why do I get `java.lang.NoClassDefFoundError: javax/servlet/Filter` ?

You probably have `servlet-api.jar` floating around somewhere it shouldn't be. This really messes up the classloaders since Tomcat's classloaders don't act quite as normal as one expects (see links above). `servlet-api.jar` should only be found only once in `$CATALINA_HOME/lib`.

Why do I get `java.lang.NoClassDefFoundError: org/xml/sax/InputSource` ?

You have conflicting XML api jar files in your classpath. Read the README or RELEASE-NOTES for more information.