

# Troubleshooting General Bridge Problems

## Bridge and Java Heap Space

The JVM automatically assigns a value to the maximum heap space, depending on the actual system resources at Bridge start. You can see the allocated and the actually used memory on the Bridge on the [node instance preferences page](#).

Nevertheless, you can manually assign a value.

Restart the Bridge after you have changed the Java heap space to make your changes have effect.

After a Bridge update, these changes will be lost and have to be reapplied.

## Windows

You need to edit the Windows registry.

32 - bit	HKEY_LOCAL_MACHINE\SOFTWARE\Apache Software Foundation\Procrun 2.0\E2EConsole-<FQDN>\Parameters\Java
64 - bit	HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Apache Software Foundation\Procrun 2.0\E2EConsole-<FQDN>\Parameters\Java

Change the following value:

Name	Type	Data (Java heap in MB)
JvmMx	REG_DWORD	0x00000080 (128)

If this value is not yet present in the registry, you need to add it.

## Linux

Edit file <path to your Bridge PROG folder>/bin/e2e\_console.sh and search for a command similar to

```
echo "\"$JAVA\" -classpath \"${CLASSPATH}\" [...] >> $TOMCAT_SCRIPT
```

This command may look different in future versions of the Bridge.

Add option -Xmx to this command as follows:

```
echo "\"$JAVA\" -Xmx192m -classpath \"${CLASSPATH}\" [...] >> $TOMCAT_SCRIPT
```

Value 192m in above example claims 192 MB of java heap. Add a value that reflects your needs.

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### Related Pages:

- [Node Instance Preferences > Memory for Bridge Process](#)
- [Managing the Bridge Certificate](#)

### Related Documentation:

- [Introducing Compatibility View](#) (Microsoft Blogs)

## Internet Explorer Throws UI Layout Warning

### Problem

When wanting to access the Bridge with Internet Explorer, a warning similar to the following is displayed:

#### UI Layout Initialization Warning

The layout-container "DIV/#layout" has no height.

## Solution

You are trying to access the Bridge with Internet Explorer in **Compatibility View**. This is not possible.

Change the **Compatibility View Settings** of Internet Explorer in such a way that the Bridge administration interface is displayed in normal mode:

- Uncheck **Display intranet sites in Compatibility View**, if checked.
- Remove localhost from the list of websites, that are added to compatibility mode.

For more information on the compatibility view refer to [Introducing Compatibility View](#) in the Microsoft blogs.

## Bridge Certificate Exception

### Problem

Bridge calls fail (from e.g. the Regression Test Command Line Tool or the Bridge API) and you are getting this error: `javax.net.ssl.SSLHandshakeException: java.security.cert.CertificateException: Certificates does not conform to algorithm constraints.`

### Solution

Check the certificate on your Bridge (see [Managing the Bridge Certificate](#)). MD5 certificates are deprecated as insecure. If your Bridge still uses MD algorithm (**MD5withRSA**), you should create a new certificate and restart the Bridge. The new certificate should have algorithm **SHA256withRSA**.

## Bridge API Documentation is Empty

### Problem

The link to the Bridge API documentation shows an empty screen.

### Solution

The Runtime has been updated, and the new Runtime comes with an updated version of OpenAPI.

Restart your Bridge to use the new version of OpenAPI.