# Jetty 8.x

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## Container Features

| Feature name | Java | Ant | Maven2 | Comment |
|---|---|---|---|---|
| Container Instantiation | ✅ `ContainerFactory.createContainer("jetty8x"...)` | ✅ `<cargo containerId="jetty8x".../>` | ✅ `<containerId>jetty8x</containerId>` | |
| Local Container | ✅ | ✅ | ✅ | |
| Container Classpath | ✅ | ✅ | ✅ | |
| Container Start | ✅ | ✅ | ✅ | |
| Container Stop | ✅ | ✅ | ✅ | |
| Container Timeout | ✅ | ✅ | ✅ | |
| Embedded Container | ✅ `o.c.c.c.jetty.Jetty8xEmbeddedLocalContainer` | ✅ | ✅ | |
| Installed Container | ✅ `o.c.c.c.jetty.Jetty8xInstalledLocalContainer` | ✅ | ✅ | |
| Passing system properties | ✅ | ✅ | ✅ | |
| Installer | ✅ | ✅ | ✅ | |
| Remote Container | ✅ `o.c.c.c.jetty.Jetty8xRemoteContainer` | ✅ | ✅ | |

## Configuration Features

| Feature name | Java | Ant | Maven2 | Comment |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| Standalone Local Configuration for installed container | ✅ `o.c.c.c.jetty.Jetty8xStandaloneLocalConfiguration` | ✅ | ✅ | |
| Standalone Local Configuration for embedded container | ✅ `o.c.c.c.jetty.Jetty8xEmbeddedStandaloneLocalConfiguration` | ✅ | ✅ | |
| Existing Local Configuration for installed container | ✅ `o.c.c.c.jetty.Jetty8xExistingLocalConfiguration` | ✅ | ✅ | |
| Existing Local Configuration for embedded container | ❌ | ❌ | ❌ | |
| Runtime Configuration | ✅ `o.c.c.c.jetty.JettyRuntimeConfiguration` | ✅ | ✅ | |
| Static deployment of WAR | ✅ | ✅ | ✅ | |
| Static deployment of expanded WAR | ✅ | ✅ | ✅ | |
| Static deployment of EJB | ❌ | ❌ | ❌ | |
| Static deployment of EAR | ❌ | ❌ | ❌ | |
| Static deployment of RAR | ❌ | ❌ | ❌ | |
| Static deployment of files | ❌ | ❌ | ❌ | |
| Static deployment of OSGi Bundles | ❌ | ❌ | ❌ | |

## Deployer Features

| Feature name | Java | Ant | Maven2 | Comment |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| Installed Deployer | ✅ `o.c.c.c.jetty.Jetty7xInstalledLocalDeployer` | ✅ | ✅ | |
| Embedded Deployer | ✅ `o.c.c.c.jetty.Jetty7xEmbeddedLocalDeployer` | ✅ | ✅ | |
| Remote Deployer | ✅ `o.c.c.c.jetty.JettyRemoteDeployer` | ✅ | ✅ | |

## Other Features

| Feature name | Java | Ant | Maven2 | Comment |
|---|---|---|---|---|
| Debugging | ✅ | ✅ | ✅ | |

## Supported Configuration properties

The tables below list both the general configuration properties as well as the container-specific ones.

### Standalone Local Configuration Properties

#### For installed container o.c.c.c.jetty.Jetty8xInstalledLocalContainer

| Property name | Java Property | Supported? | Default value | Javadoc |
|---|---|---|---|---|
| cargo.hostname | GeneralPropertySet.HOSTNAME | ❌ | `localhost` | |
| cargo.java.home | GeneralPropertySet.JAVA_HOME | ✅ | *JAVA_HOME version 6 or newer* | ⭐ |
| cargo.jetty.createContextXml | JettyPropertySet.CREATE_CONTEXT_XML | ✅ | `true` | ⭐ |
| cargo.jetty.servlet.default.useFileMappedBuffer | JettyPropertySet.USE_FILE_MAPPED_BUFFER | ✅ | `true` | ⭐ |
| cargo.jetty.session.path | JettyPropertySet.SESSION_PATH | ✅ | N/A | ⭐ |

| | | | | |
|---|---|---|---|---|
| cargo.jvmargs | GeneralPropertySet.JVMARGS | ✅ | N/A | ⭐ |
| cargo.logging | GeneralPropertySet.LOGGING | ✅ | `medium` | ⭐ |
| cargo.port.offset | GeneralPropertySet.PORT_OFFSET | ✅ | `0` | ⭐ |
| cargo.process.spawn | GeneralPropertySet.SPAWN_PROCESS | ✅ | `false` | ⭐ |
| cargo.protocol | GeneralPropertySet.PROTOCOL | ❌ | `http` | |
| cargo.runtime.args | GeneralPropertySet.RUNTIME_ARGS | ✅ | N/A | ⭐ |
| cargo.servlet.port | ServletPropertySet.PORT | ✅ | `8080` | ⭐ |
| cargo.servlet.users | ServletPropertySet.USERS | ❌ | N/A | |
| cargo.standalone.ignoreNonExistingProperties | GeneralPropertySet.IGNORE_NON_EXISTING_PROPERTIES | ✅ | `false` | ⭐ |

> **Datasource and Resource configuration**
>
> In addition to the forementioned properties, this container configuration can also set up datasources and/or resources.
>
> For more details, please read: DataSource and Resource Support.

**For embedded container o.c.c.c.jetty.Jetty8xEmbeddedLocalContainer**

| Property name | Java Property | Supported? | Default value | Javadoc |
|---|---|---|---|---|
| cargo.hostname | GeneralPropertySet.HOSTNAME | ❌ | `localhost` | |
| cargo.java.home | GeneralPropertySet.JAVA_HOME | ✅ | *JAVA_HOME version 6 or newer* | ⭐ |

| | | | | |
|---|---|---|---|---|
| cargo.jetty.createContextXml | JettyPropertySet.CREATE_CONTEXT_XML | ✅ | `true` | ⭐ |
| cargo.jetty.servlet.default.useFileMappedBuffer | JettyPropertySet.USE_FILE_MAPPED_BUFFER | ✅ | `true` | ⭐ |
| cargo.jetty.session.path | JettyPropertySet.SESSION_PATH | ✅ | N/A | ⭐ |
| cargo.jvmargs | GeneralPropertySet.JVMARGS | ✅ | N/A | ⭐ |
| cargo.logging | GeneralPropertySet.LOGGING | ❌ | `medium` | |
| cargo.port.offset | GeneralPropertySet.PORT_OFFSET | ✅ | `0` | ⭐ |
| cargo.protocol | GeneralPropertySet.PROTOCOL | ❌ | `http` | |
| cargo.runtime.args | GeneralPropertySet.RUNTIME_ARGS | ✅ | N/A | ⭐ |
| cargo.servlet.port | ServletPropertySet.PORT | ✅ | `8080` | ⭐ |
| cargo.servlet.users | ServletPropertySet.USERS | ✅ | N/A | ⭐ |
| cargo.standalone.ignoreNonExistingProperties | GeneralPropertySet.IGNORE_NON_EXISTING_PROPERTIES | ✅ | `false` | ⭐ |

### Existing Local Configuration Properties

#### For installed container o.c.c.c.jetty.Jetty8xInstalledLocalContainer

| Property name | Java Property | Supported? | Default value | Javadoc |
|---|---|---|---|---|
| cargo.hostname | GeneralPropertySet.HOSTNAME | ✅ | `localhost` | ⭐ |
| cargo.java.home | GeneralPropertySet.JAVA_HOME | ✅ | *JAVA_HOME version 6 or newer* | ⭐ |

| | | | | |
|---|---|---|---|---|
| cargo.port.offset | GeneralPropertySet.PORT_OFFSET | ✅ | `0` | ★ |
| cargo.process.spawn | GeneralPropertySet.SPAWN_PROCESS | ✅ | `false` | ★ |
| cargo.protocol | GeneralPropertySet.PROTOCOL | ✅ | `http` | ★ |
| cargo.servlet.port | ServletPropertySet.PORT | ✅ | `8080` | ★ |

> ℹ If you specify `cargo.runtime.args` with `--ini=anyfile.ini` (where `anyfile.ini` points to a Jetty INI file), any property set in the CARGO Jetty container will be ignored and the ones read from the INI file used instead.

### Runtime Configuration Properties

> ℹ Before using the Jetty remote deployer, please read: Jetty Remote Deployer

#### For remote container o.c.c.c.jetty.Jetty8xRemoteContainer

| Property name | Java Property | Supported? | Default value | Javadoc |
|---|---|---|---|---|
| cargo.hostname | GeneralPropertySet.HOSTNAME | ✅ | `localhost` | ★ |
| cargo.remote.password | RemotePropertySet.PASSWORD | ✅ | N/A | ★ |
| cargo.remote.username | RemotePropertySet.USERNAME | ✅ | N/A | ★ |
| cargo.servlet.port | ServletPropertySet.PORT | ✅ | `8080` | ★ |

## Tested On

This container is automatically tested on its server using the Codehaus Cargo Continous Integration System once a day.

- The server used for tests is downloaded from: http://repo1.maven.org/maven2/org/eclipse/jetty/jetty-distribution/8.1.11.v20130520/jetty-distribution-8.1.11.v20130520.tar.gz
- Link to the build plan: https://bamboo-ci.codehaus.org/browse/CARGO-SAMPLESJETTY8X