

Eclipse Project Discoverer - 1.0

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Extension ID

`com.castsoftware.dmtjeeclipsediscoverer`

What's new ?

See [Eclipse Project Discoverer - 1.0 - Release Notes](#) for more information.

Extension description

This discoverer detects a project for each Eclipse Java project (`.project`) identified.

In what situation should you install this extension?

This extension should be used when you are analyzing Eclipse based JEE applications. The discoverer will automatically detect **one project** for every Eclipse Java `.project` file configured as follows:

- with the `org.eclipse.jdt.core.javanature` nature.
- with **no nature at all**, or with one of the following natures:
 - `com.ibm.etools.j2ee.EAR13Nature`
 - `com.ibm.wtp.j2ee.EARNature`
 - `org.eclipse.wst.common.modulecore.ModuleCoreNature`

One corresponding Analysis Unit (per project) will then be created for analysis purposes.



- **project inheritance** and **project aggregation** is supported
- the `pom.xml` must be valid XML and not contain any erroneous characters or spaces - you can check the consistency of an XML file by opening it in a browser - errors will be shown.

Resulting source package configuration

- Application root path:
 - using `WEB-INF/web.xml` grand parent folder if it exists
- Source folders configured in `.classpath`
- Class path configured in `.classpath`
- Java language & environment (1.1 to 8.0) according to `.classpath` and project settings
- XML files found in project folder (excluding files in Eclipse `.settings` folders and output class folders)
- `PROPERTIES` files found in project folder (excluding files in output class folders)
- Libraries according to jar names in the project classpath: JUnit, Log4J, Commons logging, DOM4J, JSF, MX4J, Hibernate, Struts, Spring

Technical information

The discoverer is already embedded in **AIP Core**. This embedded version of the extension will not undergo any further updates and instead all functional changes/customer bug fixes will be actioned in the extension.

Eclipse support

Eclipse project support	Supported
3.x	

AIP Core compatibility

This extension is compatible with:

AIP Core release	Supported
8.3.x	

Download and installation instructions

This extension will not be automatically installed when Eclipse related .project files are delivered - the embedded discoverer will be used. Instead if it is required, the extension should be downloaded and installed "manually":

- [Download an extension](#)
- [Install an extension](#)

Packaging messages

The following messages emitted by the discoverer may appear during the packaging action:

Format	Message ID	Message	Remediation
Error	cast.dmt.discover. eclipse.jee. createXMLReaderFailure	Internal error while creating an XML reader	Please contact Support.
Error	cast.dmt.discover. eclipse.jee. ioExceptionInClasspathParsing	Error during .classpath file parsing. The format may not be supported, the file may be corrupted or it may not be an eclipse at all. The project is ignored: %PROJECT_PATH%	Please contact Support.
Error	cast.dmt.discover. eclipse.jee. saxExceptionInClasspath	Error during .classpath file parsing. The format may not be supported, the file may be corrupted or it may not be an eclipse at all. The project is ignored: %PROJECT_PATH%	Please contact Support.
Error	cast.dmt.discover. eclipse.jee. createXMLReaderFailure	Internal error while creating an XML reader	Please contact Support.
Error	cast.dmt.discover. eclipse.jee. ioExceptionInClasspathParsing	Error during .classpath file parsing. The format may not be supported, the file may be corrupted or it may not be an eclipse at all. The project is ignored: %PROJECT_PATH%	Please contact Support.
Error	cast.dmt.discover. eclipse.jee. saxExceptionInClasspath	Error during .classpath file parsing. The format may not be supported, the file may be corrupted or it may not be an eclipse at all. The project is ignored: %PROJECT_PATH%	Please contact Support.
Warning	cast.dmt.discover. eclipse.jee. userDefinedJREContainerNotSupported	User defined JRE (%PATH%) are not supported. This information will not be used for the project: %PROJECT_PATH%	Nothing to do in the delivery. Before running the analysis in CMS, you must define the value for the corresponding Analysis Unit or define a default value for the application.
Warning	cast.dmt.discover. eclipse.jee. unsupportedJVMType	The JVM name "%NAME%" is unknown or not supported. This information is ignored for the project: %PROJECT_PATH%	Nothing to do in the delivery. Before running the analysis in CMS, you must define the value for the corresponding Analysis Unit or define a default value for the application.
Warning	cast.dmt.discover. eclipse.jee. unsupportedClassPathEntryKind	Classpath file entry kind "%KIND%" with path "%PATH%" is not supported. This information is ignored for the project: %PROJECT_PATH%	Nothing to do in the delivery. Before running the analysis in CMS, you must define the value for the corresponding Analysis Unit or define a default value for the application. This message is expected.
Warning	cast.dmt.discover. eclipse.jee. readSettingsFileFailure	Error during reading of eclipse settings file. The content is ignored for the project: %PROJECT_PATH%	Check the content of this file. Before running the analysis in CMS, you must define the java version for the corresponding Analysis Unit or define a default value for the application.
Warning	cast.dmt.discover. eclipse.jee. noSourceLevelInfoInSettingsFile	No source level information in eclipse settings file. Maybe the file is corrupted: %PROJECT_PATH%	Before running the analysis in CMS, you must define the java version for the corresponding Analysis Unit or define a default value for the application.

Warning	cast.dmt.discover. eclipse.jee.project. multipleWebInfWebXm IFound	Multiple web application descriptor files has been found. Only the first one will be used in the project configuration: % PROJECT_PATH%	Check the folder structure under this project. You might have duplicated code.
Warning	cast.dmt.discover. eclipse.jee.project. manifestFileNotFound	META-INF/MANIFEST.MF is required but was not found at the expected location: %PROJECT_PATH%.	The eclipse project is based on OSGi. Check why the file is not provided.

Notes

Missing source folder alerts

When packaging Eclipse based Java code, you may receive **Missing source folder** alerts even though the source folder that is recorded as being missing is actually present in the source code. This alert is usually generated when no .project file has been found in the folder that is recorded as being missing. To resolve this alert, you can manually add the missing .project file and then re-run the source code delivery.