

Java™ Servlet 2.5 API

Package Diagram Example

An example of **UML 2.5 package diagram** representing most important interfaces and classes of **Java™ Servlet 2.5 API**. This API is described in Java Servlet Specification Version 2.5 and is a required (part of) API of the **Java Platform, Enterprise Edition ("Java EE"), version 5**.

Application Programming Interface (**API**) is a common programming term which is usually defined as a set of interfaces, classes and some rules specifying how some client of the API could (re)use the services and/or resources provided by the software component implementing that API.

Note, **UML 2.5** does not provide notation or a **stereotype** to support modeling of APIs. On the diagram below Servlet API is notated as a package stereotyped as «API», which is not a standard UML stereotype.

A **servlet** is a Java class directly or indirectly implementing Servlet interface of the Java Servlet API. Java EE documentation usually refers to servlets as web **components**. Life cycle of servlets is managed by a web container. The web container is provided as a part of a web server or Java EE application server.

Java Servlet 2.5 API consists of two packages: **javax.servlet** and **javax.servlet.http**. The **javax.servlet** package contains a number of interfaces and classes (both abstract and concrete) that describe and define the contracts between a servlet class and the runtime environment provided for an instance of such a class by a conforming servlet container.

The **javax.servlet.http** is package containing API interfaces and classes specialized for the servlets supporting **HTTP** protocol and corresponding runtime environment.

