JavaTM 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**.

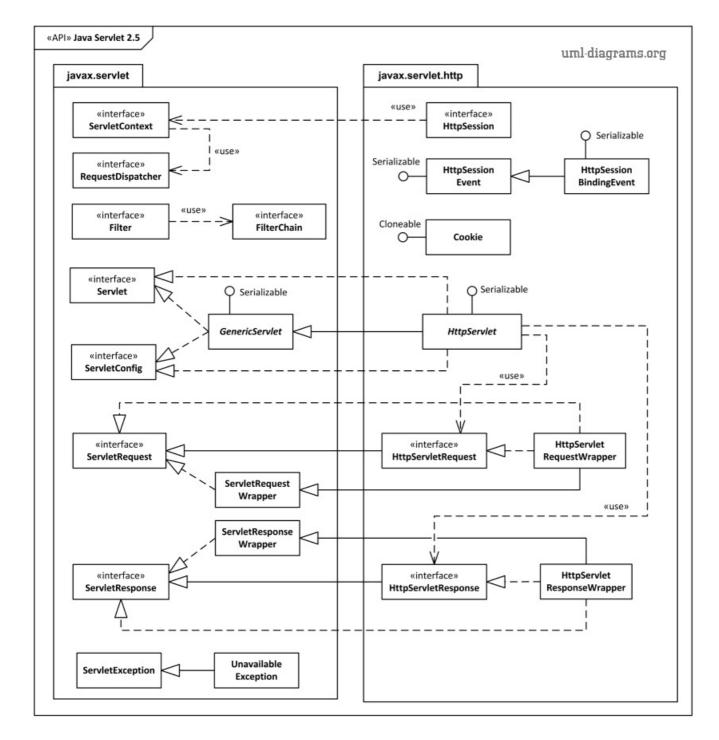
Application Programming Interface (**API**) is a common programming term which is usually defined as a set of interfaces, classes and some rules specifying how some client of the API could (re)use the services and/or resources provided by the software component implementing that API.

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.



UML package diagram representing major interfaces and classes of Java™ Servlet 2.5 API.

Two abstract classes in the Java Servlet API that implement the Servlet interface are GenericServlet and HttpServlet. The HttpServlet is usually extended by developers to implement application specific servlets supporting HTTP protocol.

Noticed a spelling error? Select the text using the mouse and press Ctrl + Enter.



This document describes UML 2.5 and is based on OMGTM Unified Modeling LanguageTM (OMG UML®) 2.5 specification [UML 2.5 FTF - Beta 1].

All UML diagrams were created in **Microsoft Visio** 2007-2016 using **UML 2.2 stencils**. You can send your comments and suggestions to webmaster@uml-diagrams.org.

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