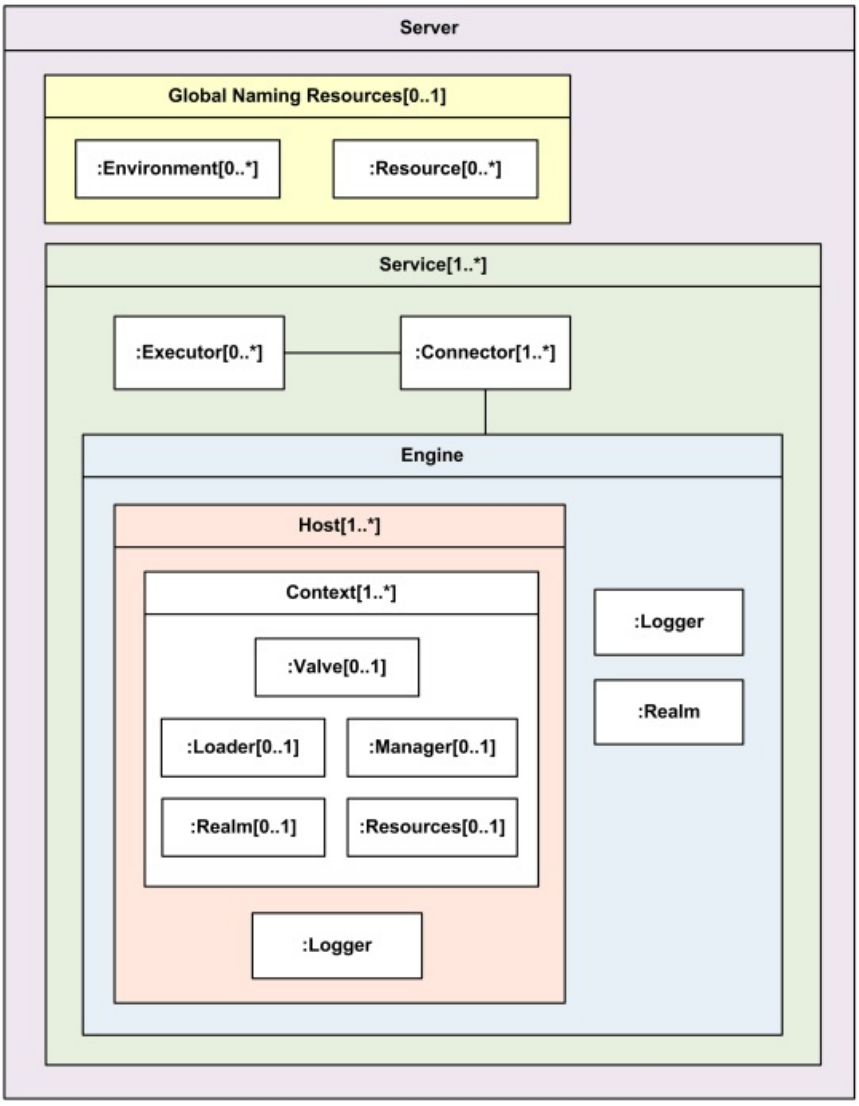
Apache Tomcat 7 Server

UML Composite Structure Diagram Example

This is an example of UML **internal structure diagram** which shows simplified composite structure of non clustered **Apache Tomcat 7** Server.

A **Server** element represents a Catalina **servlet container** of the Apache Tomcat 7 web server. It is a single outermost element in the **conf/server.xml** configuration file. Server element could contain optional **Global Naming Resources** component and one or more **Services**.

Each **Service** element is a composition of **Executors** and **Connectors** that share a single **Engine** component. The Engine receives and processes all requests from one or more connectors, and returns the completed response to the connector for its transmission back to the web client. One or more **Host** elements are nested inside the Engine.



Internal structure example - Apache Tomcat 7 Server

The **Host** element represents a virtual host, which is an association of a network name for a server (such as "www.mycompany.com") with the particular server on which Tomcat is running. More than one network name could be associated with the same virtual host.

The **Context** element represents a **web application**, which runs within a particular virtual host. Each web application is based on a Web Application Archive (WAR) file or a directory containing the corresponding unpacked contents, as described in the **Servlet specification**. Each context must have a unique context name.

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This document describes **UML 2.5** and is based on **OMG™ Unified Modeling Language™ (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 at **webmaster@uml-diagrams.org**.