

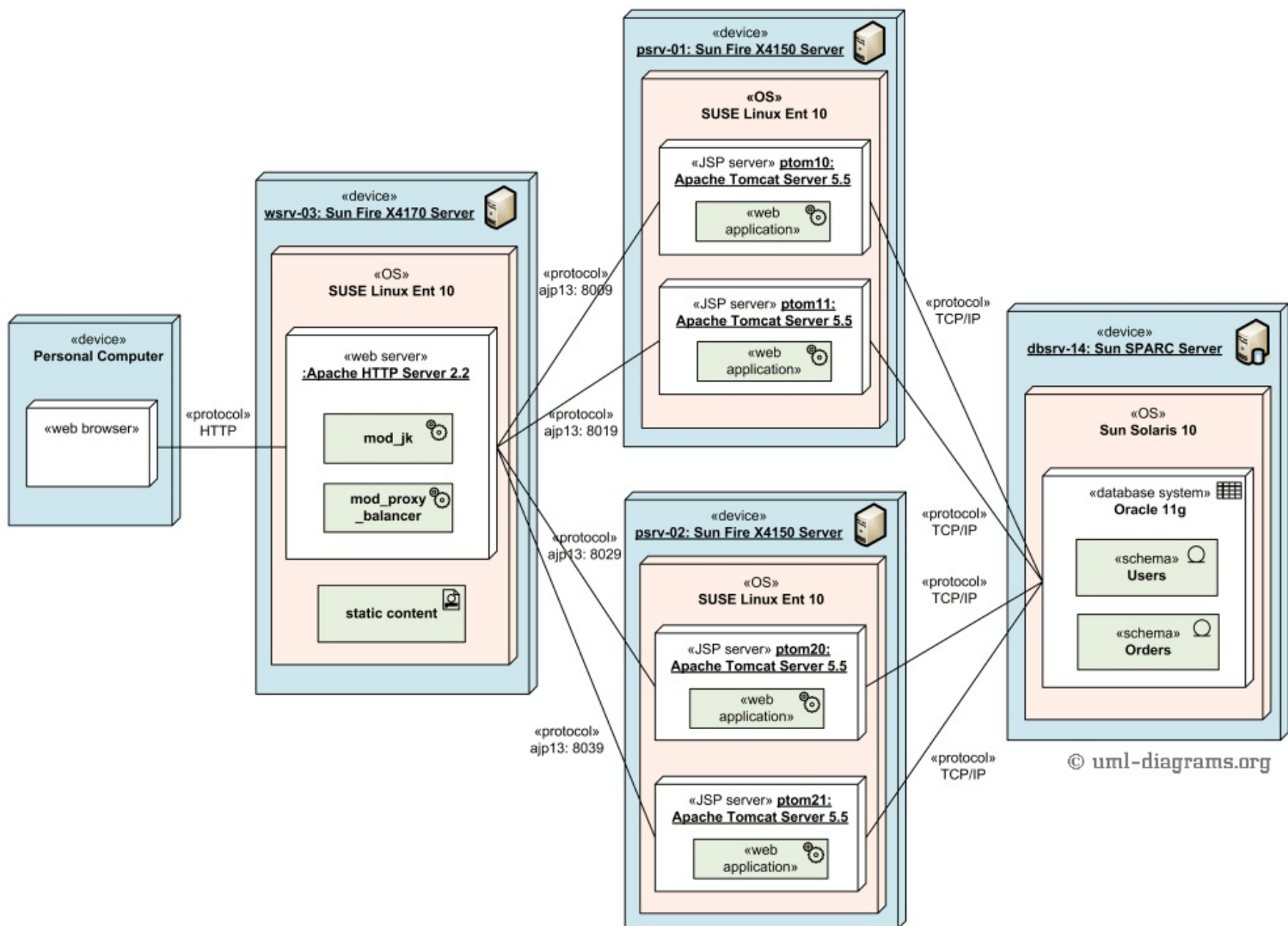
Web Application Clusters

UML Deployment Diagram Example

An example of **deployment diagram** for J2EE **web application** with load balancing and clustering which shows specific server instances involved.

Incoming HTTP requests are first processed by **Apache web server**. Static content such as HTML pages, images, CSS, and JavaScript is served by the web server. Requests to JSP pages are **load balanced** and forwarded to 2x2 Apache Tomcat servers using both vertical and horizontal **clustering**.

All 4 instances of Apache Tomcat servers save/receive data to/from a single instance of Oracle 11g DBMS, which could become a performance bottleneck if web application is data-intensive.



Load balanced and clustered deployment of J2EE web application

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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.

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