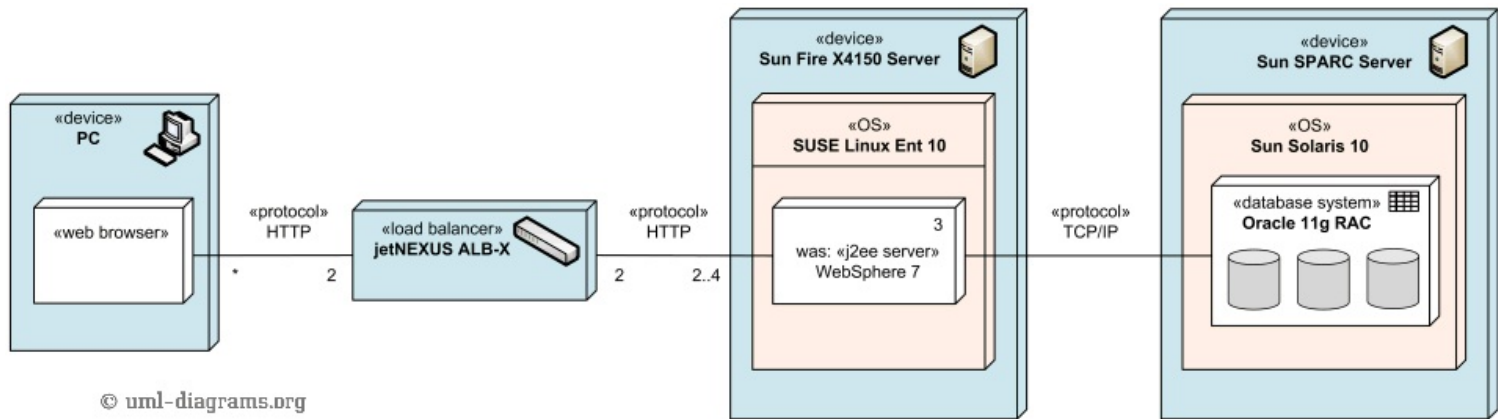


J2EE Web Servers Load Balancing

UML Deployment Diagram Example

An example of **deployment diagram** with hardware and software load balancing and clusters.

A **network load balancer** is an appliance device that is used to split network load across multiple servers. An example shows **jetNEXUS ALB-X** hardware load balancer. It combines the functions of OSI Layer 7 (Application Layer) load balancing, HTTP compression, SSL offload and content caching in one solution.



An example of UML deployment diagram with hardware load balancing of J2EE servers.

Configuration shown has 2 active hardware load balancers connected to 2 to 4 Sun Fire Servers. Each server has 3 instances of IBM WebSphere 7 J2EE application servers installed, so we have both vertical and horizontal **clustering**.

When database connection is requested by application, Oracle run-time connection load balancing selects connection that belongs to the best instance from the connection cache provided by Oracle RAC (Real Application Clusters) database.

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



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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