

# Incubator

## Hardware and Software Requirements

Version 2.0



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## 1 Supported Hardware Platforms

For a small office deployment of OVO Incubator only a single machine is required. The minimum required system configuration is shown below:

- Single, 2.6 GHz CPU (Dual CPU is recommended)
- 2 GB RAM
- 40 GB Disk Available

In the typical, full deployment scenario, the following minimum hardware environment is recommended:

- **Web Server:** 2 GHz, 512 MB RAM, 30 GB Disk
- **Web Application Server:** Dual 2.6 GHz processor, 2 GB RAM, 40 GB Disk
- **Database Server:** 2 GHz processor, 1 GB RAM, 100 GB RAID 1+0 Disk
- **File Server:** 2 GHz processor, 512 MB RAM, and appropriate RAID storage (Optional)

## 2 Prerequisite Software Requirements

The following software applications must be available on the planned hardware environment prior to installing OVO Incubator:

- Core Software Components
  - Windows 2003/2008 Server
  - Java SDK 1.5.04 or higher
- Browsers
  - Internet Explorer 6.0 or higher (Javascript enabled)
  - Firefox 2.0
  - Safari 2.0
- Web Application Server
  - Apache Tomcat 6.0.14
- Database (one of the following)
  - Microsoft SQL Server 2000
  - Microsoft SQL Server 2005
  - MySQL 5.0
  - Oracle 10g
- Database JDBC Connector (one of the following depending on Database selected)
  - MySQL Connector/J 3.1.11 or higher
  - Microsoft JDBC driver from JTDS 1.1 or higher
  - Oracle Database 10g/Release 2 10.2.0.2

The following optional software applications may also be required prior to installation and deployment depending on your deployment topology.

- LDAP Compatible directory service (v2/v3 protocol support)
  - Microsoft Active Directory
  - OpenLDAP
- Web Server
  - Microsoft IIS 6.0
  - Apache 2.0
- Web Application Firewall
  - Apache mod\_security module
- Web Server Connector (one of the following depending on Web Server choice)
  - Tomcat Microsoft IIS ISAPI Connector, ISAPI\_Redirect, for Windows 1.2.14
  - Apache 2.0 Connector mod\_jk 1.2.14 or higher
- Mod\_SSL for Apache Web Server
- URLscan for Microsoft IIS
- MySQL Administration Tool 1.1

### 3 Required Software Components

The following table outlines the server-side software products and where to find them.

Software Component	Description	Source
Windows 2003 Server	Host Operating System	Microsoft (Commercial Product)
Windows 2008	Host Operating System	Microsoft (Commercial Product)
Java SDK 1.5.04 or higher	Java Virtual Machine	Sun (Cost: Free)
Apache Tomcat	J2EE Web Application Server	<a href="http://tomcat.apache.org/download-55.cgi">http://tomcat.apache.org/download-55.cgi</a> (Cost:Free)
Microsoft SQL Server 2000/2005	Database Server (one required)	Microsoft (Commercial Product)
Oracle Database 10g	Oracle Database Server (one required)	Oracle (Commercial Product)
MySQL 5.0	Database Server (one required)	<a href="http://www.mysql.com/">http://www.mysql.com/</a> (Cost: Free)
MySQL Connector/J	JDBC Database Connector	<a href="http://dev.mysql.com/downloads/">http://dev.mysql.com/downloads/</a> (Cost: Free)
jTDS JDBC Connector	Microsoft JDBC Connector	<a href="http://jtds.sourceforge.net/">http://jtds.sourceforge.net/</a> (Cost: Free)
Oracle JDBC Driver	Oracle JDBC Connector	<a href="http://www.oracle.com/technology/software/tech/java/sqlj_jdbc/index.html">http://www.oracle.com/technology/software/tech/java/sqlj_jdbc/index.html</a>

## 4 Optional Software Components

The following table outlines the optional software products and where to find them.

Software Component	Description	Source
Apache Web Server	Web Server	<a href="http://httpd.apache.org/">http://httpd.apache.org/</a> (Cost: Free)
Microsoft IIS	Web Server	Microsoft (Commercial Product)
Mod_jk Connector	Web Server Connector for Apache Web Server	<a href="http://tomcat.apache.org/connectors-doc/">http://tomcat.apache.org/connectors-doc/</a> (Cost: Free)
Tomcat IIS ISAPI Connector	Web Server Connector for Microsoft IIS	<a href="http://tomcat.apache.org/connectors-doc/">http://tomcat.apache.org/connectors-doc/</a> (Cost: Free)
Apache mod_security	Web Application Firewall (used with Apache Web Server)	<a href="http://www.modsecurity.org/">http://www.modsecurity.org/</a> (Cost: Free)
Apache mod_ssl	SSL module for Apache Web Server	<a href="http://www.modssl.org/">http://www.modssl.org/</a> (Cost: Free)
Microsoft SQL Server 200/2005	Database Server	Microsoft (Commercial Product)
URLScan	URL Scanning ISAPI filter for Microsoft IIS	<a href="http://www.microsoft.com/technet/security/tools/urlscan.mspx">http://www.microsoft.com/technet/security/tools/urlscan.mspx</a> (Cost: Free)
MySQL Administration Tool	Administration Tool for MySQL	<a href="http://dev.mysql.com/downloads/">http://dev.mysql.com/downloads/</a> (Cost: Free)

## 5 Client Software

Software Component	Source
Java JRE 1.5.06	Automatically downloaded where necessary <a href="http://java.sun.com/j2se/1.5.0/download.jsp">http://java.sun.com/j2se/1.5.0/download.jsp</a>
Internet Explorer 6.0/7.0 (JavaScript Enabled)	<a href="http://www.microsoft.com/windows/ie/default.msp">http://www.microsoft.com/windows/ie/default.msp</a>
Firefox 2.0 (JavaScript Enabled)	<a href="http://www.mozilla.com/firefox/">http://www.mozilla.com/firefox/</a>
Safari 2.0.1 (JavaScript Enabled)	<a href="http://www.apple.com/support/downloads/safari.html">http://www.apple.com/support/downloads/safari.html</a> or <a href="http://www.apple.com/support/downloads/safariupdate201.html">http://www.apple.com/support/downloads/safariupdate201.html</a>