



Web License Manager (WebLM) 4.0 Installation Guide

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1. Release Subject

This document is the release notes and installation notes for release 4.0 of Web License Manager (WebLM).

1.1 Version

The released version of WebLM is 4.0

1.2 Dependencies/Restrictions

1.2.1 Software Pre-requisites

Java – JDK 1.4.2_03
Java server – Tomcat 5.0.28

1.2.2 Hardware Pre-requisites

CPU – Pentium II or equivalent, 750 MHz speed recommended
Memory – Minimum 48 MB RAM
Disk – Minimum 0.5 GB Hard disk

2. Release Details

This section lists down the contents of the deliverable.

2.1 Files

Following files are delivered with this release:

2.1.1 WebLM.war

This contains the core WebLM functionality and licensing server component.

2.1.2 mail.jar^ε

This jar file is required by WebLM server to send emails to administrator in case of failure occurred while sending periodic request.

2.1.3 activation.jar^ε

mail.jar file has an internal dependency on activation.jar.

3. Release Installation

This section describes the WebLM installation.

3.1 New installation

3.1.1 Pre-Installation Procedure

This section will describe the set of steps that must be taken before this release is installed.

^ε These jar files were delivered with tomcat 4.x release. Since tomcat 5.0.28 does not contain them any more, these jars are provided as part of WebLM delivery.

- Install J2SDK 1.4.2_03 on the machine where WebLM will be deployed. Please ensure to install the correct one as per the operating system on which WebLM will be running.
- Install the tomcat 5.0.28 version on the machine where WebLM will be running. Please ensure to install the one as per the operating system on which WebLM will be running.
- Ensure that on the machine on which WebLM will be deployed has an entry for the local host IP address in the hosts file.

E.g. in case of Windows, the file is usually located under C:\Windows\system32\etc folder by the name hosts. The entry in this file should look like:

```
<Localhost_IP_address>    <localhost>
```

E.g. in case of Linux, this file is located under /etc folder by the name hosts. Entry in this file should look something like below:

```
<Localhost_IP_address>    <Machine_Name>    <localhost.localdomain>    <localhost>
```

- Ensure that the user name using which tomcat is installed has read-write permissions for:
/var/tmp folder – Non Windows operating systems.
C:\temp folder – Windows operating system.

3.1.2 Installation Procedure – Windows^γ

This section will describe the installation procedure for Windows operating system.

3.1.2.1 Download WebLM - Windows

Download the file WebLM_Windows.zip file and copy it to some local folder on the machine.

3.1.2.2 Unzip WebLM_Windows.zip

Unzip the contents of WebLM_Windows.zip to some local folder. The unzip results in extracting 3 files in the local folder:

- WebLM.war
- mail.jar
- activation.jar

3.1.2.3 Move file to select location

After unzipping, move each file to its select destination as below:

- WebLM.war -- <tomcat_installed_dir>/webapps
- mail.jar -- <tomcat_installed_dir>/common/lib
- activation.jar -- <tomcat_installed_dir>/common/lib

3.1.3 Installation Procedure – Non Windows^γ

This section will describe the installation procedure for non-Windows operating systems.

^γ Please note that there is no difference between the core WebLM.war for Windows or non-Windows version. The only reason the downloads are different is to make it easier for the Windows/Non-Windows user to unzip OR unjar based on the operating system.

3.1.3.1 Download WebLM - Non Windows

Download the non-Windows jar file, WebLM_other.jar and copy it to some local directory.

3.1.3.2 Unjar WebLM_other.jar

Unjar the contents of WebLM_other.jar file to some directory using command **jar xvf WebLM_other.jar**. The unjar results in extracting 3 files into the current folder:

- WebLM.war
- mail.jar
- activation.jar

3.1.3.3 Move file to select location

Once unjar is done, move the files to select location as below:

- WebLM.war -- <tomcat_installed_dir>/webapps
- mail.jar -- <tomcat_installed_dir>/common/lib
- activation.jar -- <tomcat_installed_dir>/common/lib

3.1.4 Post-Installation Procedure – Option 1

3.1.4.1 Windows

1. Create a folder named WebLM under <tomcat_installed_dir>/webapps.
2. Open WebLM.war file using Windows Zip application and extract the contents of WebLM.war to <tomcat_installed_dir>/webapps/WebLM.
3. Start tomcat using startup.bat located in <tomcat_installed_dir>/bin. Please ensure to update WebLM server properties (section 3.1.6) before starting tomcat.
4. Open the Web browser and point it to <http://ServerName:8080/WebLM/index.jsp>.
5. On this page, enter username as “admin” & password as “weblmadmin”. Since this is the first login, the user (admin) will be forced to change the password. Only after the password is changed, the user can move ahead. Once the password is updated, user will be logged out automatically and will require to login with new password.

3.1.4.2 Non Windows

1. Create a folder (using mkdir command) named WebLM under <tomcat_installed_dir>/webapps.
2. Extract the contents of WebLM.war file using **jar xvf WebLM.war** command to <tomcat_installed_dir>/webapps/WebLM.
3. Start tomcat using startup.sh located in <tomcat_installed_dir>/bin. Please ensure to update WebLM server properties (section 3.1.6) before starting tomcat.
4. Open the Web browser and point it to <http://ServerName:8080/WebLM/index.jsp>.
5. On this page, enter username as “admin” & password as “weblmadmin”. Since this is the first login, the user (admin) will be forced to change the password. Only after the password is changed, the user can move ahead. Once the password is updated, user will be logged out automatically and will require to login with new password.

3.1.5 Post-Installation Procedure – Option 2

3.1.5.1 Windows

1. It will be assumed at this point that WebLM.war file has been copied to <tomcat_installed_dir>/webapps folder as already specified in section 3.1.2.3.
2. Start tomcat using startup.bat located in <tomcat_installed_dir>/bin. Please ensure to update WebLM server properties (section 3.1.6) before starting tomcat.
3. Open the Web browser and point it to <http://ServerName:8080/WebLM/index.jsp>.
4. On this page, enter username as “admin” & password as “weblmadmin”. Since this is the first login, the user (admin) will be forced to change the password. Only after the password is changed, the user can move ahead. Once the password is updated, user will be logged out automatically and will require to login with new password.

3.1.5.2 Non Windows

1. It will be assumed at this point that WebLM.war has been copied to <tomcat_installed_dir>/webapps folder as specified in section 3.1.3.3.
2. Start tomcat using startup.sh located in <tomcat_installed_dir>/bin. Please ensure to update WebLM server properties (section 3.1.6) before starting tomcat.
3. Open the Web browser and point it to <http://ServerName:8080/WebLM/index.jsp>.
4. On this page, enter username as “admin” & password as “weblmadmin”. Since this is the first login, the user (admin) will be forced to change the password. Only after the password is changed, the user can move ahead. Once the password is updated, user will be logged out automatically and will require to login with new password.

3.1.6 WebLM Configuration

WebLM server configuration is defined in the file “weblmserver.properties” which is located in the <tomcat_installed_dir>/webapps/WebLM/data folder.

Any changes to this file will require WebLM to be restarted to have the changes effective.

Some important properties defined in this file are defined the table below.

Property Name	Description
WebLM.LicenseAllocation.Backup.FileSize	This property specifies the size of the license allocation backup file size in MB. Ensure to allocate an integer to this property (e.g. 1, 10 etc.). A decimal value like 1.5 will not work. Default value is 10 MB.
log4j.appender.RFLogger.File	This property lets WebLM user specify the location where weblmserver.log should be saved. Please ensure to enter the path that exists followed by file name i.e. weblmserver.log. Default value is weblmserver.log (it is located in <tomcat_installed_dir>/webapps/WebLM/data/log) E.g. On non-Windows /usr/bin/weblmserver.log (assuming /usr/bin exists) On Windows:

	C:\\folder\\weblmserver.log (assuming C:\\folder exists)
log4j.appender.RFLogger.MaxFileSize	This property will set the size of the log file in which WebLM server logs the messages. Again, ensure to allocate an integer to this property (e.g. 1, 10 etc.). A decimal value like 1.5 will not work. Default value is 10MB.
log4j.appender.RFLogger.MaxBackupIndex	This lets the WebLM admin specify the number of log files to be backed up once it reaches the max size as specified in property: log4j.appender.RFLogger.MaxFileSize Default value is 1.
WebLM.PeriodicManager.Enabled	This property can have only 2 values, either true or false. If set to false, periodic activity will not run for any WebLM server Default value is true.

4. Known Issues

1. There are some minor screen issues with Mozilla browser on Linux. E.g. the animated icon depicting Web License Manager does not animate unless the page is reloaded.
2. A successful over-installation of ALF-over-ALF & SLF-over-SLF results in deleting the peak usage values of the previous installation.
3. WebLM when running on Linux allows same user to login at the same time.
4. An expired standard license file can be installed on WebLM. The installation of this license files does not allow licenses to be acquired. Over-installing of an expired standard license file over already installed standard license file is disallowed.