

# MASSTRANSIT WEB CLIENT PLUG-IN

DEPLOYING THE MASSTRANSIT WEB CLIENT PLUG-IN IN MANAGED ENVIRONMENTS

**Group Logic, Inc.**

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**Version 1.1**

## REVISION HISTORY

<b>Version</b>	<b>Author</b>	<b>Changes</b>	<b>Date</b>
1.0	AC/JLB	Initial version.	9/5/2007
1.1	JAL	Updated for 6.0, 6.0.x	2/13/2009

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### OVERVIEW

MassTransit Enterprise 5.1 and later include an enhanced Web Client Plug-in that significantly improves the end user experience on both Windows and Mac OS X. MassTransit 5.1 and later also introduces native Intel-based Mac support for the plug-in, allowing the web browser (and the plug-in itself) to run as a universal binary on Mac OS X, greatly enhancing performance and overall stability.

This document provides a general overview of the deployment process on supported platforms, including destination component paths and additional steps that may need to be performed for both installation and uninstallation.

## INSTALLATION

The core components for the Windows version of the MassTransit Web Client Plug-in are installed into:  
`\Windows\System32\GLI\MTWebClient`.

Once installation has completed, launching the MassTransit Web Assistant will unpack, create, and propagate the necessary support files into two folders: Databases and Security. These folders are created inside the user's home folder. Depending upon the installation platform, these folders will be located in the following locations:

**Windows 2000 [MT 5.1 only], Windows XP, Windows Server 2003**

`\Documents and Settings\<username>\Local Settings\Application Data\MassTransit Assistant`

**Windows Vista, Windows Server 2008**

`\Users\AppData\Local\MassTransit Assistant`

The following table depicts the support files and installation paths once the unpacking process has completed.

File	Location	Notes
<code>errmsg.sys</code>	<code>&lt;Install Folder&gt;\Databases\English</code>	
<code>errmsg.txt</code>	<code>&lt;Install Folder&gt;\Databases\English</code>	
<code>queries.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	
<code>queries_mysql.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	
<code>queries_mysql-501.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	
<code>queries_mysql-502.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	
<code>queries_mysql-51.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	
<code>queries_mysql-511.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	MT 5.1.1 and later only
<code>queries_mysql-512.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	MT 5.1.2 and later only
<code>queries_mysql-60.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	MT 6.0 and later only
<code>queries_mysql-601.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	MT 6.0.1 and later only
<code>queries_mysql-602.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	MT 6.0.2 and later only
<code>queries-501.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	
<code>queries-502.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	
<code>queries-51.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	
<code>queries-511.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	MT 5.1.1 and later only
<code>queries-512.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	MT 5.1.2 and later only
<code>queries-60.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	MT 6.0 and later only
<code>queries-601.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	MT 6.0.1 and later only
<code>queries-602.cfg</code>	<code>&lt;Install Folder&gt;\Databases</code>	MT 6.0.2 and later only
<code>Apache Xerces License.txt</code>	<code>&lt;Install Folder&gt;\Related Licenses</code>	
<code>Fusebox License.txt</code>	<code>&lt;Install Folder&gt;\Related Licenses</code>	
<code>gSOAP Public License.rtf</code>	<code>&lt;Install Folder&gt;\Related Licenses</code>	
<code>LGPL License.txt</code>	<code>&lt;Install Folder&gt;\Related Licenses</code>	
<code>OpenSSL License.txt</code>	<code>&lt;Install Folder&gt;\Related Licenses</code>	
<code>11f154d6.0</code>	<code>&lt;Install Folder&gt;\Security\rootCAs</code>	
<code>18d46017.0</code>	<code>&lt;Install Folder&gt;\Security\rootCAs</code>	
<code>2edf7016.0</code>	<code>&lt;Install Folder&gt;\Security\rootCAs</code>	
<code>58546a39.0</code>	<code>&lt;Install Folder&gt;\Security\rootCAs</code>	
<code>72fa7371.0</code>	<code>&lt;Install Folder&gt;\Security\rootCAs</code>	
<code>7d453d8f.0</code>	<code>&lt;Install Folder&gt;\Security\rootCAs</code>	
<code>95750816.0</code>	<code>&lt;Install Folder&gt;\Security\rootCAs</code>	
<code>c19d42c7.0</code>	<code>&lt;Install Folder&gt;\Security\rootCAs</code>	
<code>c33a80d4.0</code>	<code>&lt;Install Folder&gt;\Security\rootCAs</code>	
<code>c527e4ab.0</code>	<code>&lt;Install Folder&gt;\Security\rootCAs</code>	
<code>d78a75c7.0</code>	<code>&lt;Install Folder&gt;\Security\rootCAs</code>	

File	Location	Notes
ddc328ff.0	<Install Folder>\Security\rootCAs	
ed049835.0	<Install Folder>\Security\rootCAs	
ed62f4e3.0	<Install Folder>\Security\rootCAs	
f73e89fd.0	<Install Folder>\Security\rootCAs	
openssl.cfg	<Install Folder>\Security	
Assistant.exe	<Install Folder>	
AssistantData.txt	<Install Folder>	Lists Assistant support files, folders and paths
Atl.dll	<Install Folder>	
atl71.dll	<Install Folder>	
CopyHook.dll	<Install Folder>	COM object <sup>1</sup>
FrenchRC.dll	<Install Folder>	
libmysqld.dll	<Install Folder>	
License.rtf	<Install Folder>	
MassTransit Web Client Help.pdf	<Install Folder>	
npActiveX.dll	<Mozilla Firefox Plug-In Folder> <sup>2</sup>	
npWebClient.dll	<Mozilla Firefox Plug-In Folder>	
Release History.rtf	<Install Folder>	
Web Client ReadMe.rtf	<Install Folder>	
WebClient.dll	<Install Folder>	COM object

The Windows installer for the MassTransit Web Client Plug-in is built using the Windows Installer service, and comes bundled as a MSI file. Windows installations can take advantage of the features the Windows Installer service offers, including centralized deployments in Active Directory-based environments.

Detailed instructions for deploying applications in managed Windows environments using MSI installers and the Windows Installer service can be found at the Microsoft Support Knowledgebase web site:

<http://support.microsoft.com/default.aspx?scid=kb;en-us;816102>

## UNINSTALLATION

Follow these steps to uninstall the MassTransit Web Client Plug-in:

1. Quit all instances of the web browser, if any are open or running.
2. Quit the MassTransit Assistant application if it is running.
3. If using Mozilla Firefox, navigate to its plug-in folder and delete *npActiveX.dll* and *npWebClient.dll*. The path to the Mozilla Firefox plug-in folder is stored inside the Windows Registry inside *HKEY\_LOCAL\_MACHINE\SOFTWARE\Mozilla\Mozilla Firefox <Current Version>\Extensions\Plugins*. The current Firefox version is stored in *HKEY\_LOCAL\_MACHINE\SOFTWARE\Mozilla\Mozilla Firefox\CurrentVersion*. In the majority of installations, this path points to *C:\Program Files\Mozilla Firefox\plugins\*.
4. Delete the user-specific MassTransit Assistant data folder located in *\Documents and Settings\<User Name>\Local Settings\Application Data\MassTransit Assistant* (or *\Users\<User Name>\AppData\Local\MassTransit Assistant* on Windows Vista and Windows Sever 2008) and its contents.
5. Unregister the Web Client ActiveX control by running the following command in the installation folder:  
*regsvr32 -u WebClient.dll*

<sup>1</sup> COM object modules have to be registered by running *regsvr32 <COM object module>* from the installation directory.

<sup>2</sup> Path to the Mozilla Firefox Plug-In Folder is stored in the registry in *HKEY\_LOCAL\_MACHINE\SOFTWARE\Mozilla\Mozilla Firefox <Current Version>\Extensions\Plugins*. The current Firefox version is stored in *HKEY\_LOCAL\_MACHINE\SOFTWARE\Mozilla\Mozilla Firefox\CurrentVersion*.

The Web Client installation folder is `\WINDOWS\System32\GLI\MTWebClient`.

6. Delete the install folder and its contents. **NOTE:** It is possible that `CopyHook.dll` will be locked and the system will be unable to delete it. In that case, rename `CopyHook.dll` to a different arbitrary name, reboot the system, and attempt to delete the install folder again.

## INSTALLATION

The core components for the Mac OS X version of the MassTransit Web Client Plug-in are installed into the user's home folder on the destination machine.

Once installation has completed, launching the MassTransit Web Assistant will unpack, create, and propagate the necessary support files into two folders: Databases and Security. These folders are created inside the user's home folder.

The following table depicts the support files and installation paths once the unpacking process has completed.

File	Location	Notes
<b>errmsg.sys</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases/English	
<b>errmsg.txt</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases/English	
<b>queries.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	
<b>queries_mysql.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	
<b>queries_mysql-501.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	
<b>queries_mysql-502.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	
<b>queries_mysql-51.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	
<b>queries_mysql-511.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	MT 5.1.1 and later only
<b>queries_mysql-512.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	MT 5.1.2 and later only
<b>queries_mysql-60.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	MT 6.0 and later only
<b>queries_mysql-601.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	MT 6.0.1 and later only
<b>queries_mysql-602.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	MT 6.0.2 and later only
<b>queries-501.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	
<b>queries-502.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	
<b>queries-51.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	
<b>queries-511.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	MT 5.1.1 and later only
<b>queries-512.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	MT 5.1.2 and later only
<b>queries-60.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	MT 6.0 and later only
<b>queries-601.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	MT 6.0.1 and later only
<b>queries-602.cfg</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Databases	MT 6.0.2 and later only
<b>11f154d6.0</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Security/rootCAs	
<b>18d46017.0</b>	~/Applications/MassTransit Web Client X/MassTransit Assistant/Security/rootCAs	
<b>2edf7016.0</b>	~/Applications/MassTransit Web Client	

File	Location	Notes
	X/MassTransit Assistant/Security/rootCAs	
58546a39.0	~/Applications/MassTransit Web Client X/MassTransit Assistant/Security/rootCAs	
72fa7371.0	~/Applications/MassTransit Web Client X/MassTransit Assistant/Security/rootCAs	
7d453d8f.0	~/Applications/MassTransit Web Client X/MassTransit Assistant/Security/rootCAs	
95750816.0	~/Applications/MassTransit Web Client X/MassTransit Assistant/Security/rootCAs	
c19d42c7.0	~/Applications/MassTransit Web Client X/MassTransit Assistant/Security/rootCAs	
c33a80d4.0	~/Applications/MassTransit Web Client X/MassTransit Assistant/Security/rootCAs	
c527e4ab.0	~/Applications/MassTransit Web Client X/MassTransit Assistant/Security/rootCAs	
d78a75c7.0	~/Applications/MassTransit Web Client X/MassTransit Assistant/Security/rootCAs	
ddc328ff.0	~/Applications/MassTransit Web Client X/MassTransit Assistant/Security/rootCAs	
ed049835.0	~/Applications/MassTransit Web Client X/MassTransit Assistant/Security/rootCAs	
ed62f4e3.0	~/Applications/MassTransit Web Client X/MassTransit Assistant/Security/rootCAs	
f73e89fd.0	~/Applications/MassTransit Web Client X/MassTransit Assistant/Security/rootCAs	
openssl.cfg	~/Applications/MassTransit Web Client X/MassTransit Assistant/Security	
MassTransitAssistantX	~/Applications/MassTransit Web Client X/MassTransit Assistant	Application <sup>3</sup>
Apache Xerces License.txt	~/Applications/MassTransit Web Client X/Related Licenses	
Fusebox License.txt	~/Applications/MassTransit Web Client X/Related Licenses	
gSOAP Public License.rtf	~/Applications/MassTransit Web Client X/Related Licenses	
LGPL License.txt	~/Applications/MassTransit Web Client X/Related Licenses	
OpenSSL License.txt	~/Applications/MassTransit Web Client X/Related Licenses	
LaunchMTAssistant	~/Applications/MassTransit Web Client X	Auxiliary script <sup>4</sup>
License.rtf	~/Applications/MassTransit Web Client X	
MassTransit Web Client Help.pdf	~/Applications/MassTransit Web Client X	
MassTransit Web Client Install Log	~/Applications/MassTransit Web Client X	Installation Log File <sup>5</sup>
Release History.rtf	~/Applications/MassTransit Web Client X	
Web Client ReadMe.rtf	~/Applications/MassTransit Web Client X	
MassTransit WC X.plugin	~/Library/Internet Plug-Ins	
MassTransitWebClientX.plugin	~/Library/Internet Plug-Ins	Legacy compatible plug-in <sup>6</sup>
MTStackTuner	/Library/StartupItems	Optional component <sup>7</sup>

<sup>3</sup> The Assistant application has to be launched at least once before using the Web Client; it is launched automatically by the installer at the end of the installation

<sup>4</sup> Automatically launches the Assistant when the installation has completed

<sup>5</sup> Created by the installer

<sup>6</sup> Only installed on Intel-based Macs for legacy (pre-5.1) server compatibility

<sup>7</sup> Requires administrative privileges to install

## UNINSTALLATION

1. Quit the web browser if it is running.
2. Quit the MassTransit Assistant application if it is running.
3. Navigate to */Users/<User Name>/Applications* and delete the *MassTransit Web Client X* folder and all its contents.
4. Navigate to */Users/<User Name>/Library/Internet Plug-Ins* and delete *MassTransit WC X.plugin* and *MassTransitWebClientX.plugin*. **NOTE:** *MassTransitWebClientX.plugin* is only installed on Intel-based Macs.
5. **Optional:** Navigate to */Library/StartupItems* and delete the *MTStackTuner* folder (if present). Administrative privileges are required to delete this component.

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