



mapClient

System Requirements

Version 3.0

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Published by con terra
Gesellschaft für Angewandte Informationstechnologie mbH
Martin-Luther-King-Weg 24
48155 Münster
Tel +49 (0)251.74745-0
Fax +49 (0)251.74745-2111
conterra@conterra.de
www.conterra.de

System Requirements

This chapter details the hardware and software environment required for the installation. Please ensure that your system satisfies these requirements before attempting to perform the installation.

Hardware Requirements

On the whole, mapClient itself presents no particular hardware requirements. However, it is important to ensure that the hardware environment is suitable for running the required web server and servlet engine.

The environment should at least comply with the following minimum recommended requirements:

- Processor with a clock frequency of at least 2 GHz
- At least 2 GB of RAM memory
- At least 500 MB of free hard disc space
- Monitor and graphics capable of displaying at least SVGA 1200 x 780
- As powerful an Internet connection as possible (i.e. high bandwidth)

The precise requirements depend on a number of factors, such as the number of people expected to be using the mapClient, and any other applications running on the system, and in particular, their requirements as regards system resources.

Note: If your system uses a multiple processor setup, the Image Merger used in the mapClient is able to distribute the computational requirements over the available processors, thus ensuring enhanced performance.

Runtime Environment

MapClient requires a preinstalled web server with a servlet/JSP container as a runtime environment. The following products are supported.

System Components:

Java 2 Platform Standard Edition (J2SE)

Sun JDK release 1.6.0_14 is recommended.

The current JDK release 1.6.0 can be downloaded from the following address:

<http://www.oracle.com/technetwork/java/javase/overview/index.html>

Note: mapClient does not currently support the 64 bit versions.

Apache Tomcat

The recommended servlet/JSP container is Tomcat release 5.5.12 in conjunction with JDK 1.6.0_14.

The current version of Apache Tomcat can be downloaded from the following address:

<http://tomcat.apache.org/index.html>

For further details, please consult the documentation included with your Tomcat software.

Please note: Please ensure that the path leading to the Tomcat installation directory does not contain any space characters!

To guarantee the correct operation of mapClient, it will be necessary to update some of the libraries included in the JDK of your Tomcat. Navigate to the main directory of your Tomcat installation and then open the directory ~~W~~*common*~~W~~*endorsed*.

It is then necessary to copy the following JAR files into this directory:

- *serialiser.jar*
- *xalan_2.7.0.jar*
- *xercesImpl-2_7_1.jar*
- *xml-apis-2_7_1.jar*

Following installation, these files are available from *[mapClient-Install]\endorsed*.

Please note:

1. Your attention is hereby drawn to the fact that this necessary update to the central libraries may affect other web applications that are running in the same Tomcat!
2. Furthermore, we also wish to point out that the default trust manager instance valid throughout the process at runtime is exchanged for a trust manager that does not validate the certification chains. This means that the certification path used by server certificates whenever an HTTPS connection is set up is not first checked but accepted as valid in all cases!

This makes the administration of the mapClient simpler, since it is then not necessary to store any certificates in the Tomcat Keystore.

Since the trust manager instance within the general Tomcat process is generally valid, it is recommended that you do not run other web applications in the same Tomcat process, if they require the security functions of the default trust manager or if they use their own trust manager. Only such applications that do not make use of a trust manager or that do not require the limited security function can be run in the same Tomcat process.


Web Server

In addition to the Tomcat, it is also possible to incorporate any HTTP server (e.g. Apache HTTP Server). The only condition is that the Tomcat can be incorporated as a servlet/JSP container. For further details on Apache HTTP Server please consult the documentation included with your version of the software.

Operating System

mapClient can be run under the following operating systems:

- > Windows XP Professional
- > Windows 2000 Professional
- > Windows 2003 Server

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- > Sun Solaris 8
 - > Suse Linux Professional 9.1
 - > Red Hat Enterprise Linux ES 3.0

Web Browser

The following web browsers are supported:

- > MS Internet Explorer versions 7.0 and 8.0
- > Firefox 3.x