
JUMP
the Unified Mapping Platform
Installation Guide

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1. OVERVIEW

This document describes how to install and configure JUMP – the Unified Mapping Platform.

2. SYSTEM REQUIREMENTS

JUMP is written in 100% pure Java. It will run on Java 1.3 and above; Java 1.4 is recommended.

The CPU and memory required to run JUMP effectively is dependent on the size of datasets used and the complexity of processing performed. The minimum system configuration recommended is a 1 GHz CPU and 256 MB of memory; however, JUMP can run in smaller systems if necessary.

3. INSTALLATION

- Unzip the JUMP archive into a directory
- Users with custom extensions or plug-ins should install these plug-ins following the provider's instructions.

4. CONFIGURATION

4.1 INVOKING THE JRE

The bin/JUMPWorkbench.bat file assumes that the command "java" will invoke Java correctly. If this is not the case, edit the JUMPWorkbench.bat file to ensure that the java command points to the appropriate location of a JRE install.

4.2 INCREASING APPLICATION MEMORY

If more memory is needed to work with larger datasets, you can increase the size of the Java memory allocation pool by editing the bin/JUMPWorkbench.bat file. After the java command, add the following option:

```
-Xmx<mem>m
```

<mem> should be replaced with the number of megabytes of memory you wish to make available to the application. This number is dependent on how much memory your workstation contains, and the size of the datasets you are working with. The JUMP application displays the current committed memory size on the status bar, which will help you in determining the amount of memory to allocate.

4.3 PRESERVING YOUR PREFERENCES

Users which have an older version, copy your bin/workspace*.properties files from your old installation into your bin directory in the new install.

4.4 IMAGERY ADD-INS

4.4.1 ErMapper

ErMapper users should download the ErMapper.jar file from <http://www.ermapper.com/>. The jar should be placed into the lib directory, and added to the classpath.

4.4.2 MrSID

MrSID users should download the mrsidgeodecode.exe and mrsidgeoinfo.exe utilities from <http://www.lizardtech.com/>. The files should be placed in a local directory, and added to the system path. Note: you may add the exe files to the system path within the launch script.

4.4.3 Imagery Hardware Support

Imagery user may also consider installing hardware support for JAI from <http://java.sun.com/products/java-media/jai/>. A software version is included with JUMP, you may need to remove the jai*.jar files from the classpath after installing the hardware support into your JVM.

5. RUNNING THE APPLICATION

To run JUMP, invoke JUMPWorkbench.bat.