Description

java query shows settings and system information for the Java Runtime Environment (JRE). Some system information is only available after the Java Virtual Machine (JVM) has been initialized.

java set home sets the path to the JRE.

java set heapmax sets the maximum amount of heap memory allocated for the JVM.

java initialize manually initializes the JVM. Manual initialization is not typically used because the JVM initializes automatically when it is required. Once the JVM has been initialized, it cannot be uninitialized within a Stata session.

For details about creating Java plugins in Stata, see [P] Java intro.

Syntax

List Java Runtime Environment settings and system information

java query

Initialize the Java Runtime Environment

java initialize

Set the path to the Java Runtime Environment

java set home default | "path_to_java_home_dir"

set java_home is a synonym for java set home.

Set the amount of heap memory for the Java Runtime Environment

java set heapmax default | size

set java_heapmax is a synonym for java set heapmax.

size is # [m | g], and the default unit is m.

Remarks and examples

Stata requires a JRE for some functionality. The JRE redistributed with Stata is based on source code from the OpenJDK and is licensed under the terms of the GPL v2 with Classpath Exception. This version of Stata contains build 11.0.6-LTS acquired from Azul Systems.
Sometimes, it may be necessary to use and maintain your own version of the JRE. For example, some institutions require that frequent security patches be applied to the JRE to maintain security compliance. For these situations, using `java set home` will tell Stata to use your JRE instead of the JRE that is distributed with Stata. When replacing the default JRE, we recommend that only long-term support (LTS) versions be used. The minimum Java version supported by this version of Stata is release 8. For developers who wish to redistribute a Java plugin, we recommend that they compile their code to target release 8.

Also see

[P] Java intro — Introduction to Java plugins