

# Cannot Load the Surround SCM Java API Library on Linux

## Problem

An exception occurs and the following error is returned when using the Surround SCM Java API on Linux to run the SSCMAPI.connect action:

'The sscmapi2010 library cannot be loaded. Copy the library into the library search path and then try again.'

## Cause

The Surround SCM .jar file has a loadLibrary function call that is failing when trying to load the Surround SCM API C library. The function is using an incorrect library name and the path to the library is incorrect in the java.library.path value used by the Java VM.

## Solution

1. Create a correctly named symlink to the libsscmapl.so file in the same directory as the API library. The default directory is /var/lib/SurroundSCM/API/lib.

If you are using Surround SCM 2010, create a symlink named libsscmapl2010.so to the libsscmapl.2010.x.x library, where x indicates the Surround SCM version (e.g., 2010.0.1).

If you are using Surround SCM 2011 or later, create a symlink named libsscmapl.so to the libsscmapl.xxxx.x.x library, where x indicates the Surround SCM version (e.g., 2011.0.1).

2. Set the correct java.library.path value using one of the following methods:
  - ◆ Use the -Djava.library.path=/var/lib/SurroundSCM/API/lib option when you run the compiled .jar file. For example, `java -Djava.library.path=/var/lib/SurroundSCM/API/lib -jar CompiledProgram.jar`. Refer to your IDE documentation for information about setting Java VM runtime arguments.
  - ◆ Append the path to the LD\_LIBRARY\_PATH system variable. For example, `LD_LIBRARY_PATH=/var/lib/SurroundSCM/API/lib`.

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