

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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