

Nsys Plugin SDK

Using the Nsys plugin software developer kit (SDK), you can create add-ons to extend applications based on [Nsys Platform](#).

Requirements

- [Oracle JDK 1.7+](#) or Open JDK 1.7+ (Java)

If your system does not meet the above requirements, please read the installation documentation: <http://doc.nsys.org>

1.0 Installation on Linux and Mac

Verify the Java Developer Kit (JDK) is installed

```
user@host:~$ javac -version
javac 1.7.0_71
user@host:~$
```

Download latest version of the Nsys Plugin SDK

```
user@host:~$ wget http://cloud.nsys.org/download/nsys-plugin-sdk.zip
```

Edit your `~/.bashrc` to include the following (`$ nano ~/.bashrc`)

```
export NSYS_SDK_HOME=/home/user/nsys-plugin-sdk
export PATH=$NSYS_SDK_HOME/bin:$PATH
```

Test the Nsys Plugin SDK

```
user@host:~$ nsys-version
Using NSYS_SDK_HOME:      /home/user/nsys-plugin-sdk/bin/..
Using NSYS_SDK_VERSION:  1.0.0.100
Using NSYS_SDK_OPTS:
Using M2_HOME:           /home/user/nsys-plugin-sdk/bin/./apache-maven-3.3.1
Using MAVEN_OPTS:        -Xms128M -Xmx768M -XX:MaxPermSize=256M
Executing: /home/user/nsys-plugin-sdk/bin/./apache-maven-3.3.1/bin/mvn -gs /home/user/nsys-plugin-sdk/bin/./
/apache-maven-3.3.1/conf/settings.xml --version
Apache Maven 3.3.1 (cab6659f9874fa96462afef40fcf6bc033d58c1c; 2015-03-13T21:10:27+01:00)
Maven home: /home/user/nsys-plugin-sdk/bin/./apache-maven-3.3.1
Java version: 1.7.0_71, vendor: Oracle Corporation
Java home: /Library/Java/JavaVirtualMachines/jdk1.7.0_71.jdk/Contents/Home/jre
Default locale: en_US, platform encoding: UTF-8
OS name: "mac os x", version: "10.10.3", arch: "x86_64", family: "mac"
user@host:~$
```

2.0 Create your own plugin project

At this point, you have set up your environment and run a test of the Nsys Plugin SDK. To learn how to create a plugin for [Nsys Daemon](#), [Nsys Portal](#) or even how to build your own software application based on customized distribution of the [Nsys Platform](#) please see an example source code of [Nsys Demo](#).