

## Error Case #1: Compiling error in line 281 of the "build.xml" Ant file.

As the documentation at [http://docs.appcelerator.com/titanium/2.0/#!/guide/Android\\_Module\\_Development\\_Guide](http://docs.appcelerator.com/titanium/2.0/#!/guide/Android_Module_Development_Guide) says, I followed these steps, first preparing all the workspace then I created a default example that has "Titanium IDE". When I'm trying to compile the module an error appears and the compiling process stops. I don't know what to do to resolve this problem. I'm compiling with "Ant Debug" process and this is the console output:

```
Buildfile: C:\Users\xEdushx\Documents\titanium_workspace_mod\example_module\build.xml
python.set_exec:
python.check:
  [echo] Testing for Python
  [exec] Python 3.3.2
init:
process.annotations:
generate.v8.bindings:
  [java] Generating
C:\Users\xEdushx\Documents\titanium_workspace_mod\example_module\build\generated\jni\com.mplus.example.Example
Proxy.h
  [java] Generating
C:\Users\xEdushx\Documents\titanium_workspace_mod\example_module\build\generated\jni\com.mplus.example.Example
Proxy.cpp
  [java] Generating
C:\Users\xEdushx\Documents\titanium_workspace_mod\example_module\build\generated\jni\com.mplus.example.Example
ModuleModule.h
  [java] Generating
C:\Users\xEdushx\Documents\titanium_workspace_mod\example_module\build\generated\jni\com.mplus.example.Example
ModuleModule.cpp
  [exec] Traceback (most recent call last):
  [exec] File
"C:\Users\xEdushx\AppData\Roaming\titanium\mobilesdk\win32\3.1.1.GA\module\android\bootstrap.py", line 384, in
<module>
  [exec]     main()
  [exec] File
"C:\Users\xEdushx\AppData\Roaming\titanium\mobilesdk\win32\3.1.1.GA\module\android\bootstrap.py", line 353, in
main
  [exec]     from manifest import Manifest
  [exec] File "C:\Users\xEdushx\AppData\Roaming\titanium\mobilesdk\win32\3.1.1.GA\manifest.py", line 4,
in <module>
  [exec]     from StringIO import StringIO
  [exec] ImportError: No module named 'StringIO'
generate.bindings:
pre.compile:
js.compile:
ndk.build:
  [copy] Copying 11 files to C:\Users\xEdushx\AppData\Local\Temp\xEdushx\example_module-generated
  [exec] jni/Android.mk:32: warning: overriding commands for target
`C:\Users\xEdushx\AppData\Local\Temp\xEdushx\example_module-generated/KrollGeneratedBindings.cpp'
  [exec] jni/Android.mk:32: warning: ignoring old commands for target
`C:\Users\xEdushx\AppData\Local\Temp\xEdushx\example_module-generated/KrollGeneratedBindings.cpp'
  [exec] jni/Android.mk:35: warning: overriding commands for target
`C:\Users\xEdushx\AppData\Local\Temp\xEdushx\example_module-generated/BootstrapJS.cpp'
  [exec] jni/Android.mk:35: warning: ignoring old commands for target
`C:\Users\xEdushx\AppData\Local\Temp\xEdushx\example_module-generated/BootstrapJS.cpp'
  [exec] jni/Android.mk:32: warning: overriding commands for target
`C:\Users\xEdushx\AppData\Local\Temp\xEdushx\example_module-generated/KrollGeneratedBindings.cpp'
  [exec] jni/Android.mk:35: warning: overriding commands for target
`C:\Users\xEdushx\AppData\Local\Temp\xEdushx\example_module-generated/BootstrapJS.cpp'
  [exec] jni/Android.mk:35: warning: ignoring old commands for target
`C:\Users\xEdushx\AppData\Local\Temp\xEdushx\example_module-generated/BootstrapJS.cpp'
  [exec] Android NDK: WARNING:jni/Android.mk:com.mplus.example: non-system libraries in linker flags: -
lkroll-v8
  [exec] Android NDK: This is likely to result in incorrect builds. Try using LOCAL_STATIC_LIBRARIES
  [exec] Android NDK: or LOCAL_SHARED_LIBRARIES instead to list the library dependencies of the
  [exec] Android NDK: current module
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  [exec] Android NDK: or LOCAL_SHARED_LIBRARIES instead to list the library dependencies of the
  [exec] Android NDK: current module
```

```

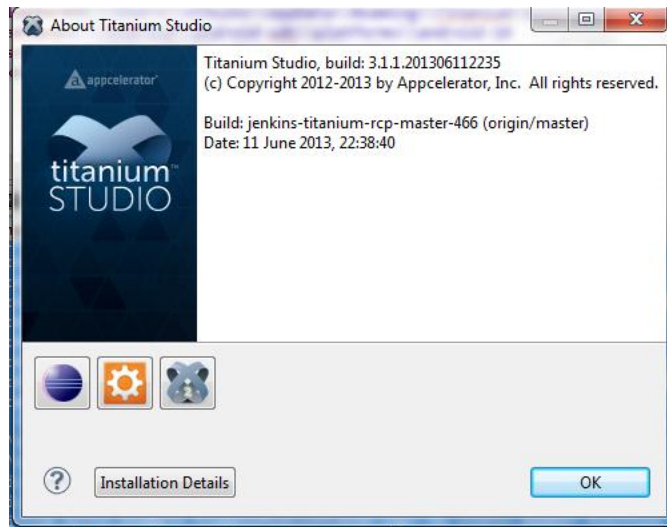
[exec] Android NDK: WARNING:jni/Android.mk:com.mplus.example: non-system libraries in linker flags: -
1kroll-v8
[exec] Android NDK: This is likely to result in incorrect builds. Try using LOCAL_STATIC_LIBRARIES
[exec] Android NDK: or LOCAL_SHARED_LIBRARIES instead to list the library dependencies of the
[exec] Android NDK: current module
[exec] "Compile++ thumb : com.mplus.example <= com.mplus.example.ExampleModuleModule.cpp
[exec] In file included from jni/com.mplus.example.ExampleModuleModule.cpp:12:0:
[exec]
C:\Users\xEdushx\AppData\Roaming\Titanium\mobilesdk\win32\3.1.1.GA/android/native/include/AndroidUtil.h: In
destructor 'titanium::LogTimer::~LogTimer()':
[exec]
C:\Users\xEdushx\AppData\Roaming\Titanium\mobilesdk\win32\3.1.1.GA/android/native/include/AndroidUtil.h:57:3:
warning: format '%d' expects argument of type 'int', but argument 5 has type 'long int' [-Wformat]
[exec] jni/com.mplus.example.ExampleModuleModule.cpp: In static member function 'static
v8::Handle<v8::Value> com::mplus::example::ExampleModuleModule::example(const v8::Arguments&)':
[exec] jni/com.mplus.example.ExampleModuleModule.cpp:130:4: error: format not a string literal and no
format arguments [-Werror=format-security]
[exec] jni/com.mplus.example.ExampleModuleModule.cpp: In static member function 'static
v8::Handle<v8::Value> com::mplus::example::ExampleModuleModule::getter_exampleProp(v8::Local<v8::String>,
const v8::AccessorInfo&)':
[exec] jni/com.mplus.example.ExampleModuleModule.cpp:185:4: error: format not a string literal and no
format arguments [-Werror=format-security]
[exec] jni/com.mplus.example.ExampleModuleModule.cpp: In static member function 'static void
com::mplus::example::ExampleModuleModule::setter_exampleProp(v8::Local<v8::String>, v8::Local<v8::Value>,
const v8::AccessorInfo&)':
[exec] jni/com.mplus.example.ExampleModuleModule.cpp:244:4: error: format not a string literal and no
format arguments [-Werror=format-security]
[exec] cc1plus.exe: some warnings being treated as errors
[exec] make: *** [C:\Users\xEdushx\AppData\Local\Temp\xEdushx/example_module-
generated/obj/local/armeabi/objs/com.mplus.example/com.mplus.example.ExampleModuleModule.o] Error 1

BUILD FAILED
C:\Users\xEdushx\AppData\Roaming\Titanium\mobilesdk\win32\3.1.1.GA\module\android\build.xml:326: The following
error occurred while executing this line:
C:\Users\xEdushx\AppData\Roaming\Titanium\mobilesdk\win32\3.1.1.GA\module\android\build.xml:281: exec
returned: 2

Total time: 2 seconds

```

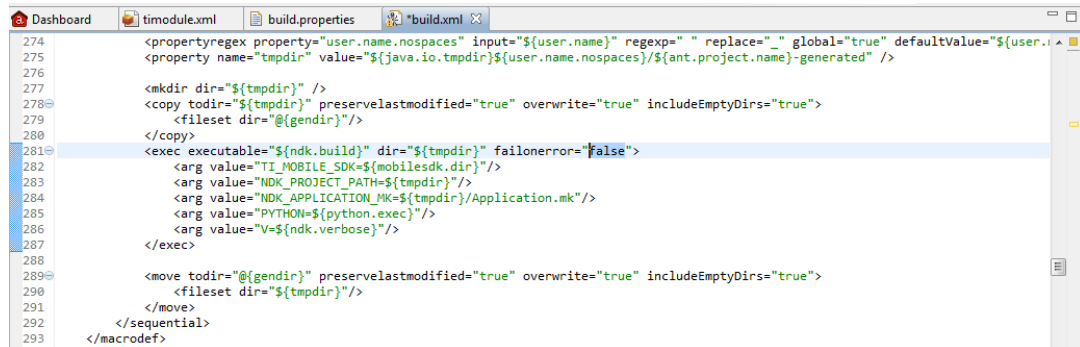
I'm working with:



And Android 2.3.3 (Android 10), Python 3.3.2, all of this running over Microsoft Windows 7 Professional 64Bits Operating System.

## Error Case #2: Error when running an application (includes modules) in Samsung ICE mobile.

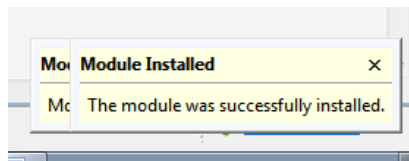
I tried to resolve “Error Case #1” modifying the “build.xml” file as next:



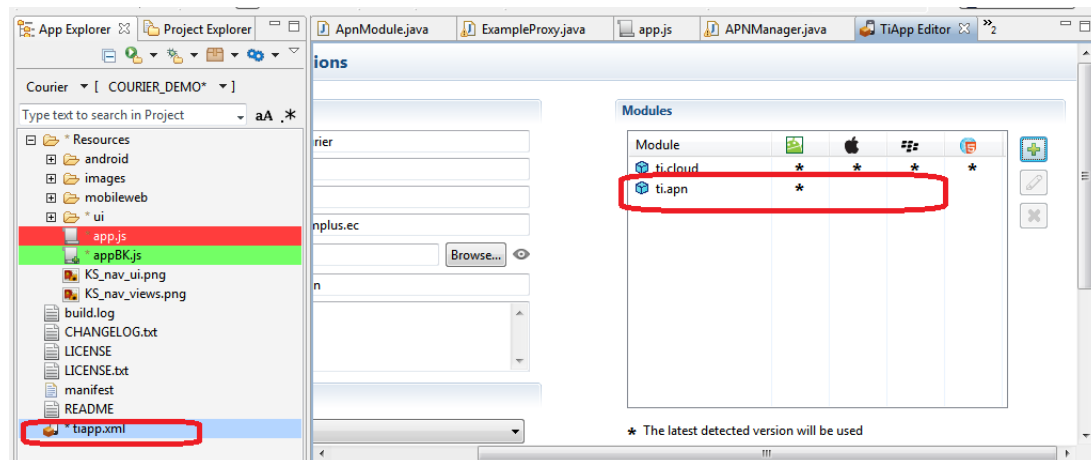
```
274 <propertyregex property="user.name.nospaces" input="${user.name}" regexp=" " replace="_" global="true" defaultValue="${user.name}"/>
275 <property name="tmpdir" value="${java.io.tmpdir}${user.name.nospaces}/${ant.project.name}-generated" />
276
277 <mkdir dir="${tmpdir}" />
278 <copy todir="${tmpdir}" preservelastmodified="true" overwrite="true" includeEmptyDirs="true">
279 <fileset dir="@{gendir}"/>
280 </copy>
281 <exec executable="${ndk.build}" dir="${tmpdir}" failonerror="false">
282 <arg value="TI_MOBILE_SDK=${mobilesdk.dir}"/>
283 <arg value="NDK_PROJECT_PATH=${tmpdir}"/>
284 <arg value="NDK_APPLICATION_MK=${tmpdir}/Application.mk"/>
285 <arg value="PYTHON=${python.exec}"/>
286 <arg value="V=${ndk.verbose}"/>
287 </exec>
288
289 <move todir="@{gendir}" preservelastmodified="true" overwrite="true" includeEmptyDirs="true">
290 <fileset dir="${tmpdir}"/>
291 </move>
292 </sequential>
293 </macrodef>
```

I changed the “failonerror” value to “false” in line 281 (that’s not a solution but I could compile the module).

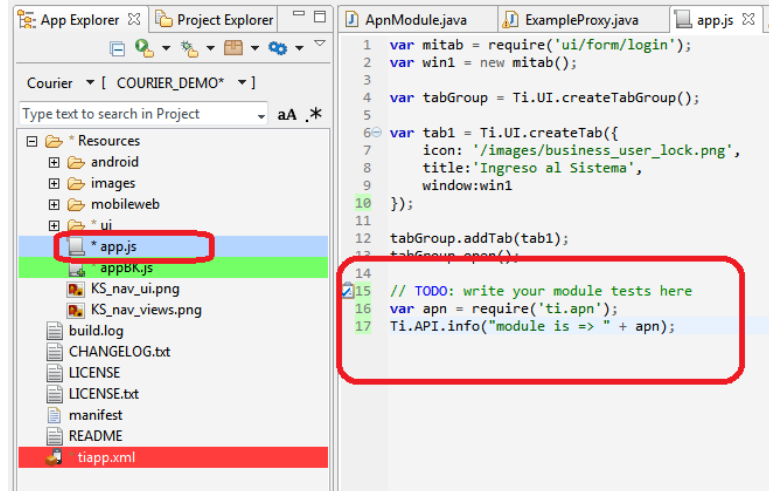
Then I proceeded to install the new module to Titanium.



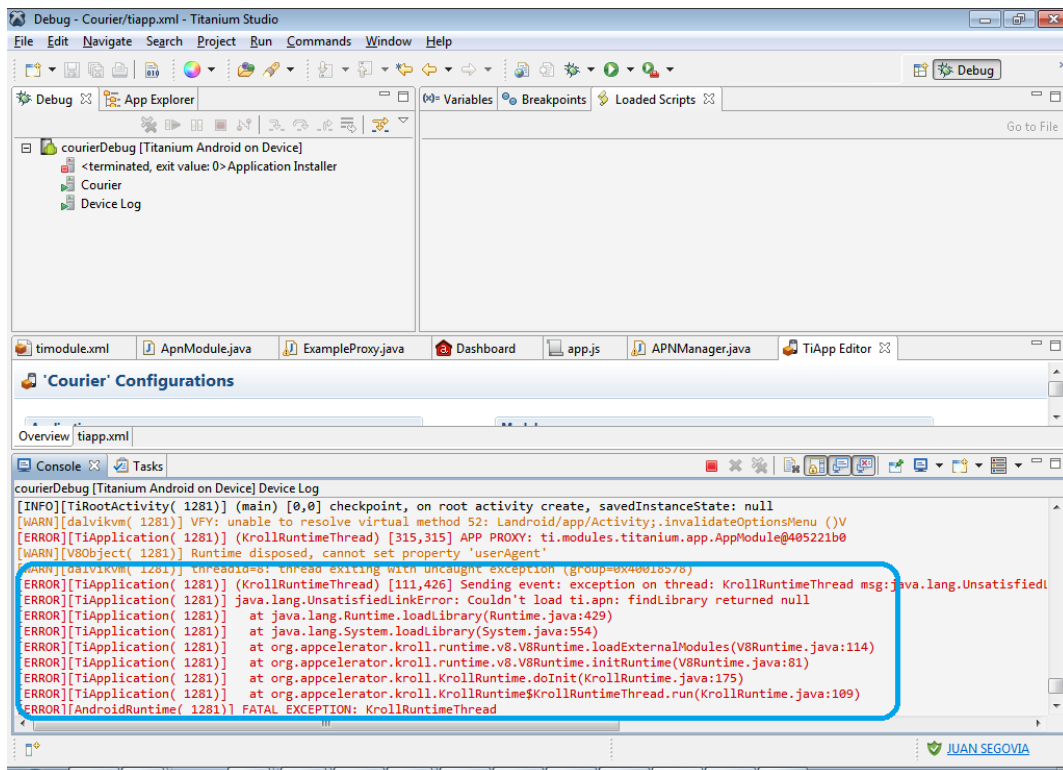
With the new module already installed I tried to use it in an Android application called Courier.



To consume this module:



When I was trying to “Debug” the application, an error appeared again:



[ERROR][TiApplication( 1281)] java.lang.UnsatisfiedLinkError: Couldn't load ti.apn: findLibrary returned null

Please help us to resolve this problem because we can't continue with the project.