

FAQ and Common Issues - GeneXus for Mobile Course

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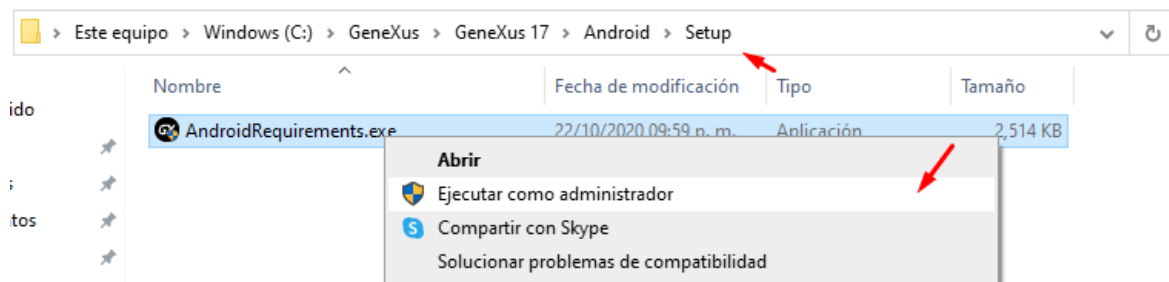
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The following document addresses common questions and problems that may occur during the GeneXus for Mobile course.

First, to verify that you meet the Android requirements, you can run AndroidRequirements.exe

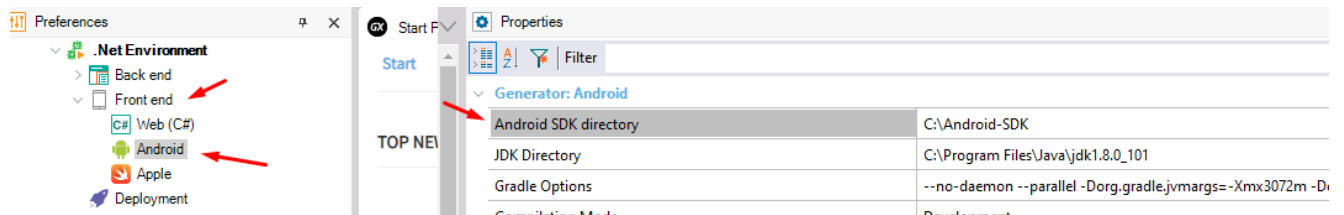


If you experience any problems downloading the Android SDK from the [setup](#), we suggest downloading the Android SDK from here:

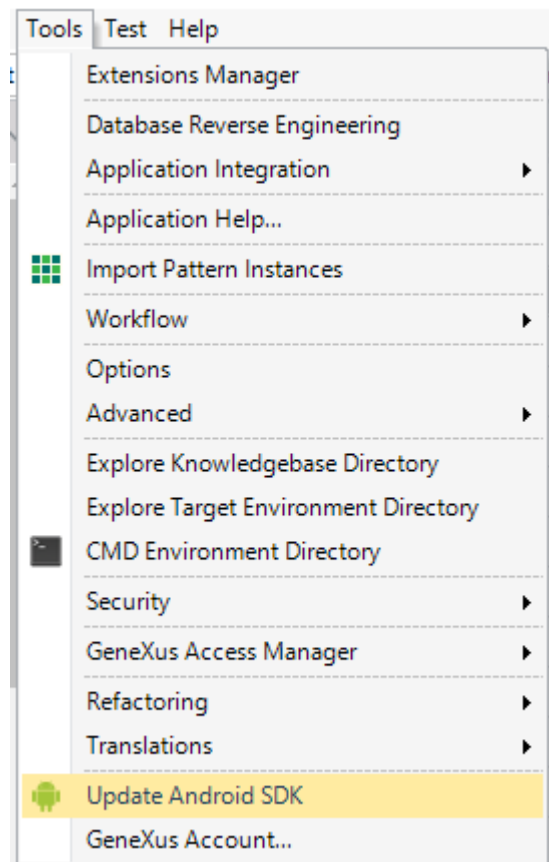
<https://dcserver.genexus.com/temp/AndroidSDKCurso/AndroidSDKU8.zip>

Unzip in a folder, for example: C:\Android-SDK

Confirm that the folder is assigned in the Android SDK directory property, located in Preferences / Front end / Android.



Lastly, update the Android SDK from the menu options Tools / Update Android SDK.

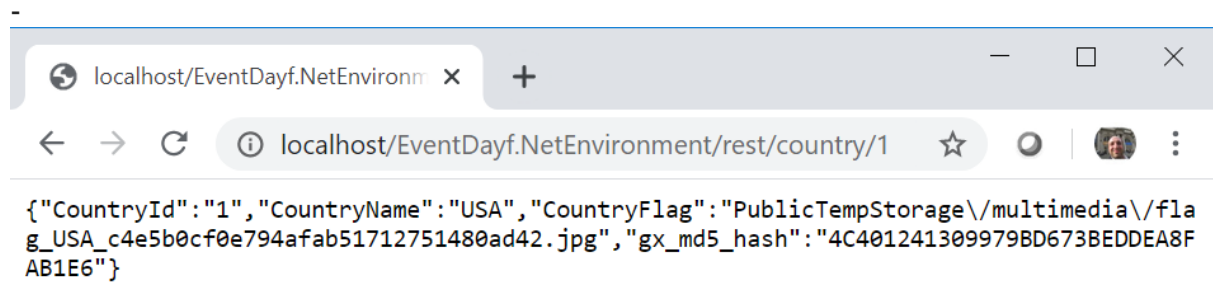


Running REST services

To confirm that REST services are working and therefore will be displayed in the emulator, try running a REST object from the browser, for example:

From the KB, **after generating the workwithSD pattern for Country**, run the web panel home to open the web browser, then replace **home.aspx** in the URL with **rest/country/1**.

In the result you should see something like this:



Error 500

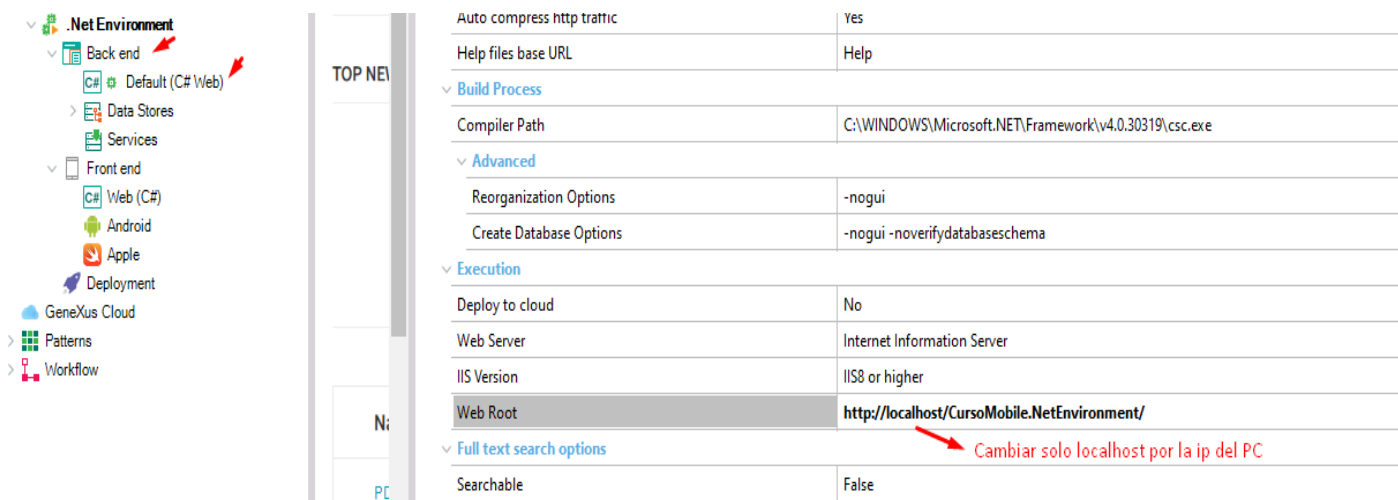
It is solved by doing what is described in this documentation:

<https://wiki.genexus.com/commwiki/servlet/wiki?18398,URLRewrite+-+Common+issues>

Error: A network error occurred while trying to reach the server (Connect to /10.0.2.2:80 timed out).

The device tries to reach the services but since it was placed as localhost, it searches in the device's own localhost (10.0.2.2).

It is solved by changing localhost to the IP of the machine. Change the web root property:

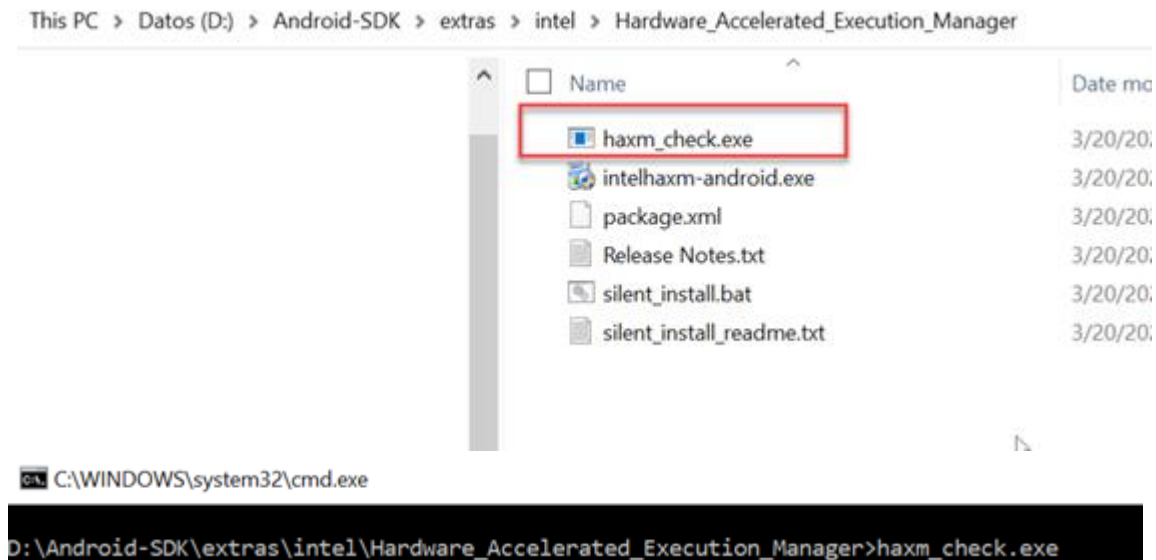


The screenshot shows the NetEnvironment configuration interface. On the left, a tree view lists various components: .Net Environment, Back end, Data Stores, Services, Front end, Web (C#), Android, Apple, Deployment, GeneXus Cloud, Patterns, and Workflow. The 'Web (C#)' component is selected. On the right, a table displays configuration properties. The 'Web Root' property is highlighted, and its value is being edited from 'http://localhost/CursoMobile.NetEnvironment/' to 'http://10.0.2.2/CursoMobile.NetEnvironment/'. A red arrow points to the 'localhost' part of the URL, with a red text annotation below it: 'Cambiar solo localhost por la ip del PC'.

Auto compress http traffic	Yes
Help files base URL	Help
Build Process	
Compiler Path	C:\WINDOWS\Microsoft.NET\Framework\v4.0.30319\csc.exe
Advanced	
Reorganization Options	-nogui
Create Database Options	-nogui -noverifydatabaseschema
Execution	
Deploy to cloud	No
Web Server	Internet Information Server
IIS Version	IIS8 or higher
Web Root	http://localhost/CursoMobile.NetEnvironment/
Full text search options	
Searchable	False

Error: Intel HAXM is not installed.

To check if the PC is supported, run this:



IF the answer is that your computer has VT support (VT Support = Yes)

The installation options available are as follows:

- You can install the HAM through the setup by downloading it from here: <https://github.com/intel/haxm/releases/tag/v7.5.6>
- VT-X must be enabled from the BIOS (this depends on each PC), so each user will have to check how to activate it according to his or her machine model.

IF the machine doesn't have hardware acceleration and GeneXus tries to run an emulator that may be slow, the error is as follows:

```

===== Android Execution started =====
Launching Android Virtual Device 'GeneXus-API19-ARM'...
warning: Android Virtual Device is ARM-based because Intel HAXM is not installed.
      Performance will be very slow!
Command: emulator -avd GeneXus-API19-ARM
Waiting for device to become ready... (this may take a while)
      Error: Timed out waiting for device to respond.

```

However, the emulator may never start, so another option is to use your physical device but you have to configure the following:

- Enable the USB debug in the developer options; to enable that, see the following [link](#)
- Have the phone drivers installed on the PC.
- Connect it to the PC and run in GX.

If the student doesn't have an Android phone, they can use another emulator, for example [bluestacks](#)

Note:

Please note that some emulators are not recognized and you have to install the APK manually, i.e. drag the APK to the emulator (the case of BlueStacks).

Error: Cannot open Database "<MyDB>" requested by the login. The login failed.
Login failed for user "IIS APPPOOL/ASP:NET V4.0"

The error would be as shown in the following image:

Error de servidor en la aplicación '/Demo01.NetEnvironment'.

*Cannot open database "Test01" requested by the login. The login failed.
Login failed for user 'IIS APPPOOL\ASP.NET V4.0'.*

Descripción: Excepción no controlada al ejecutar la solicitud Web actual. Revise el seguimiento de la pila para obtener más información acerca del error y dónde se originó en el código.

Detalles de la excepción: System.Data.SqlClient.SqlException: Cannot open database "Test01" requested by the login. The login failed.
Login failed for user 'IIS APPPOOL\ASP.NET V4.0'.

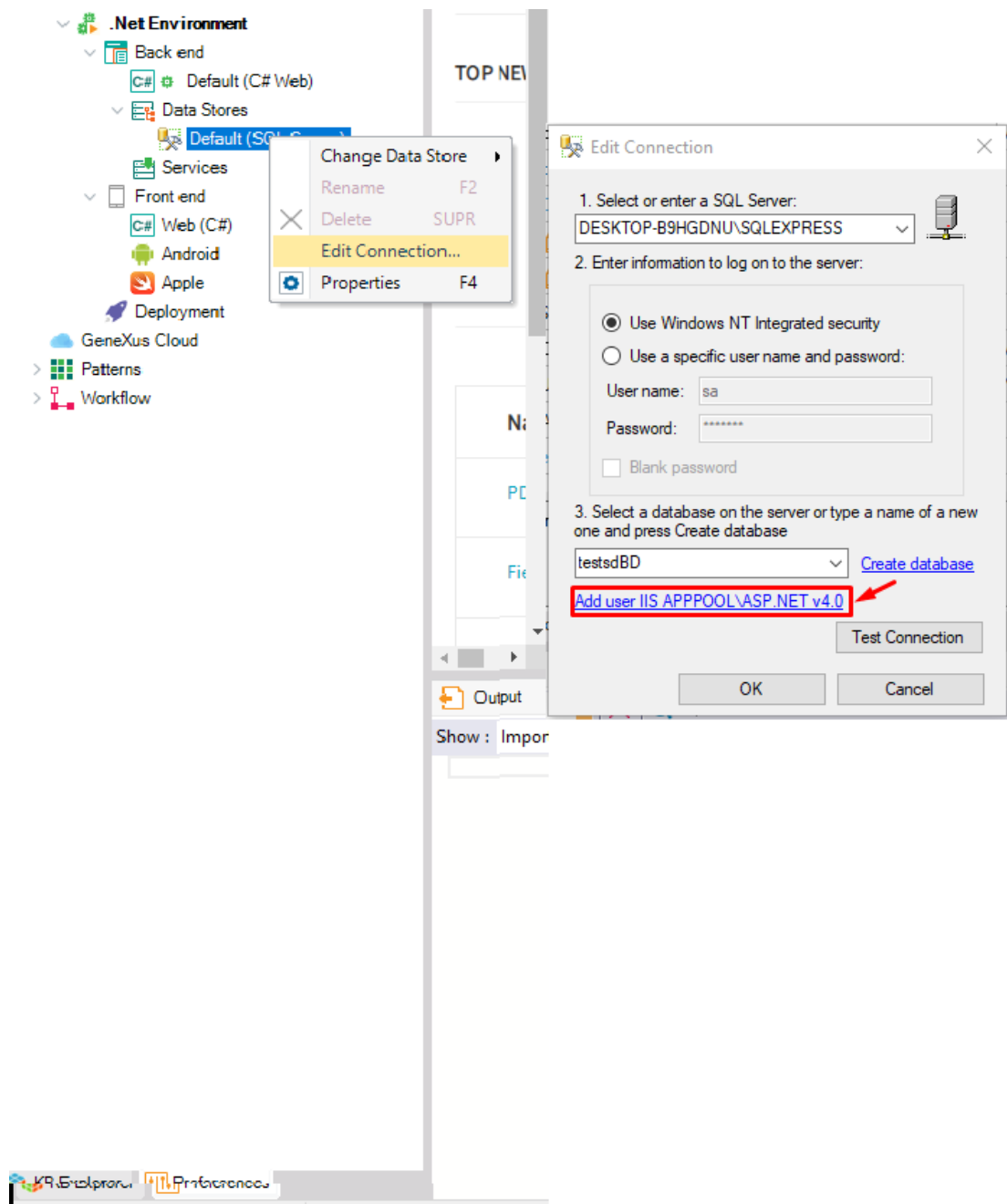
Error de código fuente:

Se ha generado una excepción no controlada durante la ejecución de la solicitud Web actual. La información sobre el origen y la ubicación de la excepción pueden identificarse utilizando la excepción del seguimiento de la pila siguiente.

Seguimiento de la pila:

```
[SqlException (0x80131904): Cannot open database "Test01" requested by the login. The login failed.  
Login failed for user 'IIS APPPOOL\ASP.NET V4.0'.]  
System.Data.SqlClient.SqlInternalConnectionTds..ctor(DbConnectionPoolIdentity identity, SqlConnectionString connectionOptions, SqlCredential c  
System.Data.SqlClient.SqlConnectionFactory.CreateConnection(DbConnectionOptions options, DbConnectionPoolKey poolKey, Object poolGroupProvider  
System.Data.ProviderBase.DbConnectionFactory.CreatePooledConnection(DbConnectionPool pool, DbConnection owningObject, DbConnectionOptions opti  
System.Data.ProviderBase.DbConnectionPool.CreateObject(DbConnection owningObject, DbConnectionOptions userOptions, DbConnectionInternal oldCon  
System.Data.ProviderBase.DbConnectionPool.UserCreateRequest(DbConnection owningObject, DbConnectionOptions userOptions, DbConnectionInternal o  
System.Data.ProviderBase.DbConnectionPool.TryGetConnection(DbConnection owningObject, UInt32 waitForMultipleObjectsTimeout, Boolean allowCreat  
System.Data.ProviderBase.DbConnectionPool.TryGetConnection(DbConnection owningObject, TaskCompletionSource`1 retry, DbConnectionOptions userOp  
System.Data.ProviderBase.DbConnectionFactory.TryGetConnection(DbConnection owningConnection, TaskCompletionSource`1 retry, DbConnectionOptions  
System.Data.ProviderBase.DbConnectionInternal.TryOpenConnectionInternal(DbConnection outerConnection, DbConnectionFactory connectionFactory, T  
System.Data.SqlClient.SqlConnection.TryOpenInner(TaskCompletionSource`1 retry) +128  
System.Data.SqlClient.SqlConnection.TryOpen(TaskCompletionSource`1 retry) +265  
System.Data.SqlClient.SqlConnection.Open() +133  
GeneXus.Data.MssqlConnectionWrapper.Open() +32  
GeneXus.Data.ADO.GxConnection.Open() +598  
  
[GxADODataException: Cannot open database "Test01" requested by the login. The login failed.  
Login failed for user 'IIS APPPOOL\ASP.NET V4.0'.]  
GeneXus.Data.ADO.GxConnection.Open() +1216  
GeneXus.Data.ADO.GxConnectionManager.IncOpenHandlesImpl(GxConnection con) +30  
GeneXus.Data.ADO.GxConnectionManager.IncOpenHandles(Int32 handle, String dataSource) +65  
GeneXus.Data.GxSqlCursorDataReader.LoadFirstBlock() +185  
GeneXus.Data.GxSqlCursorDataReader..ctor(IGxConnectionManager connManager, GxDataRecord dr, IGxConnection connection, GxParameterCollection pa  
  
[GxADODataException: Cannot open database "Test01" requested by the login. The login failed.  
Login failed for user 'IIS APPPOOL\ASP.NET V4.0'.]  
GeneXus.Data.GxSqlCursorDataReader..ctor(IGxConnectionManager connManager, GxDataRecord dr, IGxConnection connection, GxParameterCollection pa  
GeneXus.Data.GxSqlServer.GetDataReader(IGxConnectionManager connManager, IGxConnection con, GxParameterCollection parameters, String stmt, UIN  
GeneXus.Data.ADO.GxCommand.ExecuteReader() +722  
  
[GxADODataException: Cannot open database "Test01" requested by the login. The login failed.  
Login failed for user 'IIS APPPOOL\ASP.NET V4.0'.]
```

This is solved by adding the user to the AppPool as shown in the following image:



Obtain an API Key to use Maps

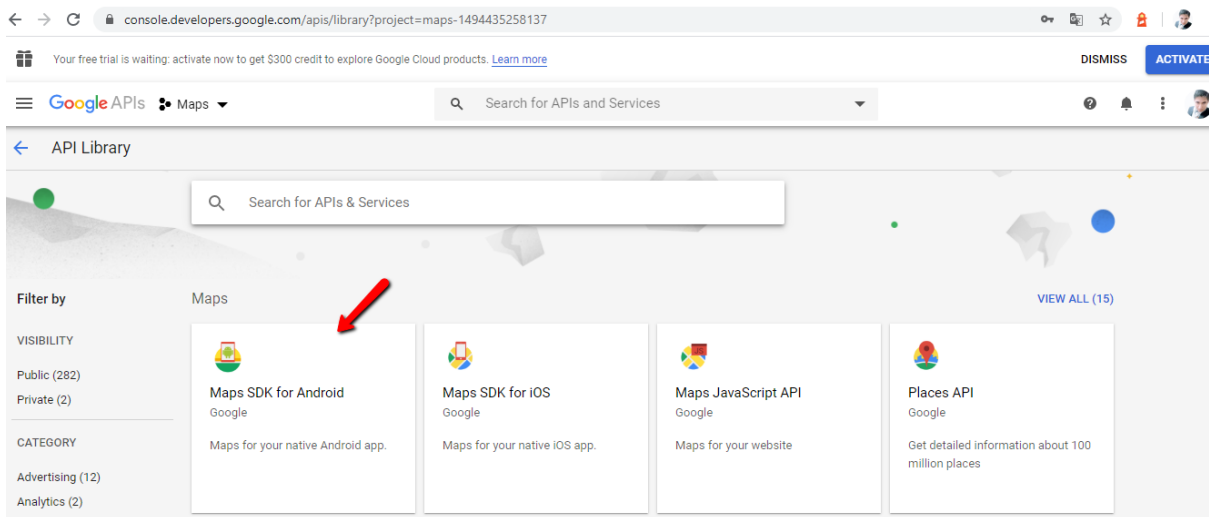
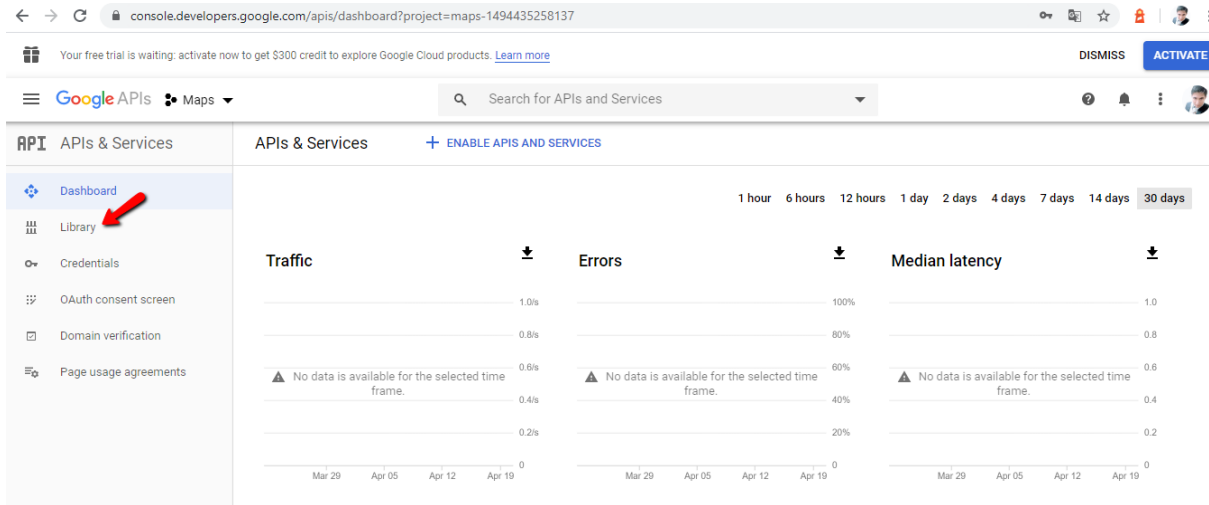
To obtain an API Key for the maps, follow the instructions provided in this documentation:

<https://developers.google.com/maps/documentation/android-api/signup?hl=es-419>

Additional information can be found in the wiki in this document:

<https://wiki.genexus.com/commwiki/servlet/wiki?19055,HowTo%3A+Get+an+API+Key+from+Google>

Important: The Maps SDK for Android option must be enabled from the Google Developer Console.





Maps SDK for Android

Google

Maps for your native Android app.

[MANAGE](#)

✓ API enabled



GPU driver information

The following error occurs:



It is solved in this way:

Go to the API path inside AVD e.g.

C:\Users\Miguel\.android\avd\GeneXus-API26-X86.avd

Edit config.ini and change the value of:

hw.gpu.mode=auto to =off

Android - FAQ and Common Issues

Other errors and their solutions are shown in the following document:

<https://wiki.genexus.com/commwiki/servlet/wiki?14575,Android+-+FAQ+and+Common+Issues>