

How to check if GeneXus Trial is installed correctly

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Abstract

In this document you will find the steps required to confirm whether GeneXus Trial works correctly for training courses.

GeneXus Trial allows working with the SQL Server DBMS and .NET generator, as well as prototyping in the **cloud**.

Note:

• The images included in this document were captured using GeneXus version 16 and are also valid for version 17.

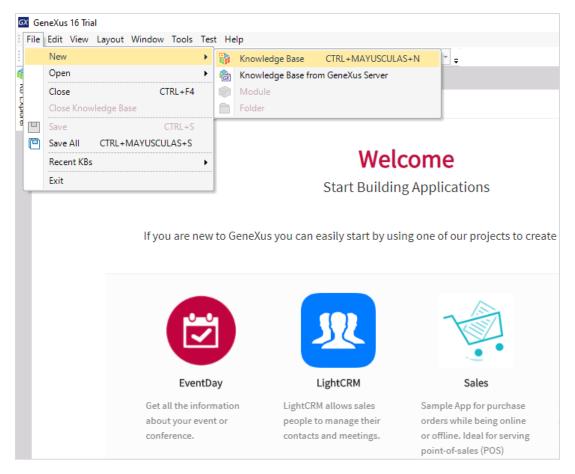


Creating a Web and Smart Device application in GeneXus

To perform the following steps, it is assumed that GeneXus Trial is already installed and that GeneXus is run from the desktop shortcut.

Step 1 – Creating a Knowledge Base

In the menu, select *File* \rightarrow *New* \rightarrow *Knowledge Base*:



Call it Test and click on Create:



Create Knowledge Base		×
	Name: Test Directory: C:\Models Language:]
	English ~ Advanced >> Create Cancel]

Accept the creation of the folder C:*Models* by clicking on **Yes**.

Confirm		
?	'C:\Models' does not exist. Do you want to create it?	
Ē		Yes <u>N</u> o

GeneXus indicates that the KB is being created:

Creating Knowledge Base
A Hide details
Creating Knowledge Base from template Processing file 'C:\Program Files (x86)\GeneXus\GeneXus16Trial\Startup\Common\CommonApi.xpz' Checking Import ReferencesFinished Reading import file objectsFinished Importing Folder 'Common' Successful Importing External Object 'GlobalEvents' Successful Processing file 'C:\Program Files (x86)\GeneXus\GeneXus16Trial\Startup\Common\GeneXusModule.xpz' Checking Import ReferencesFinished Reading import file objectsFinished

When it is complete, you will see that the contents of the GeneXus development environment have changed. Open the KB Explorer and anchor the window by clicking on the *AutoHide* pin.

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E F	File Edit View Layout Build Knowledge Manager Wine	dow Tools Test	Help	
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-	🛿 🎯 KB Explorer 🛛 🖪 🕹			
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Note that GeneXus has automatically created some components that can be seen below the *Test* node, which corresponds to your KB.

Step 2 – Creating a transaction object

Now, create a GeneXus object to store, view, and change data over a database.

In the menu, click on File \rightarrow New \rightarrow Object, select an object of Transaction type, call it Country and click on **Create**.

	New Object	×	
	Select a Category: Common Workflow Reporting Documentation Web Extensibility Deploy Test Chatbots Smart Devices	Select a Type:	
		a data requirements, the rules they have to fulfill and how it looks.	
		Country	
Note that a object has		Create Cancel	Count been



created, and that you're positioned on the Structure tab. In it, add the Country attributes to be stored, starting by its identifier (key symbol).

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Here, type Countryld, click on Tab, leave the default data type (numeric value of length 4, with no decimals) and press Enter.

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Open: Name or Pattern	Structure * 🐔 Web	Form Rules Events Vari	ables Patterns
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> 🗗 References			
> 🏋 Customization			
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Documentation			

Press Enter again and add the CountryName attribute, of Character(20) type.

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Save the Country object using the corresponding icon in the toolbar.

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Step 3 – Creating and running the Web application

The transaction object is ready to be executed.

To do so, press F5.

Because this is the first time you are running the application, the following dialog box will be displayed for you to enter your GeneXus account credentials and press the **Sign in** button.

<u>NOTE</u>: If you haven't created a GeneXus account, select the option "*No, I'm new in GeneXus, I need to create an account*" and follow the instructions that will be provided to create it.

GeneXus Account Authentication	×
Create a GeneXus account or Sign in	
Please, enter your email address below:	
yourmail@domain.com	
Remember me	
Do you have a GeneXus account?	
○ No, I'm new in GeneXus, I need to create an account	
Yes! I already have one and my password is:	

Forgot your password?	
Sign in	

GeneXus runs a database creation analysis and shows the following impact analysis, which shows that a table called Country will be created. Click on **Create**.



🐼 Start Page 🗙 🗐 Country X	Impact Analysis ×		\sim
The Database tables will be	created.		
This report describes how the Database ta Please select Create to proceed or Cancel			
Pattem:	Table Country specification	*	
	Table name: Country		
	Country is new		
	Table Structure	*	
	Attribute Definition Previous values Takes value from P CountryId Numeric (4), Not null Takes value from CountryName Character (20), Not null, NLS Character (20), Not null, NLS		
	Indexes	*	
	Name Definition Composition ICOUNTRY primary key Clustered Est Countrold		Ŧ
🛛 🚫 0 Errors 🛕 0 Warnings 🕑 1 Suc	cess		
Output			
Show: Build Searching redundancy in Country Updating redundancy in Country Specifying GXLRED Loading table and attribute pro Saving specifications. Success: Database Creation Anal	pperties		

Next, GeneXus will automatically create the application. To do so, it will generate the necessary source code, and compile it and execute it.

A browser window is opened with a developer menu that includes a link to Country.



GeneXus Develope	r Menu 🗙	+	-		×	
\leftrightarrow \rightarrow C	trialapps3.genexu	s.com/ld6ba2baa91bda0de202e4744cbb3da474/developermenu.html		☆	:	
DEVELO	DEVELOPER MENU					
		Browse Web Objects				
	🗐 Country	4				

Click on Country, and a screen will be opened to enter a country's details. Enter 1 as ID value, and *Uruguay* as name. Next, click on the Confirm button. GeneXus displays a notification to inform you that the data has been entered successfully.

S Country	× +	– 🗆 ×
\leftrightarrow \rightarrow C $$ tr	ialapps3.genexus.com/ld6ba2baa91bda0de202e4744cbb3da474/country.aspx	☆ :
Applica	ation Name	_{by} GeneXus
Recents	Country	
	Country Data has been successfully added.	
	CONFIRM CANCEL	



Now, enter an ID with value 2 and the name *Japan*, and click on Confirm. Click on the Back and Next buttons to confirm that the details of both countries have been entered. You can also click on Select to view the records entered:

S Country	× +			– 🗆 X
\leftrightarrow \rightarrow C \square trial	lapps3.genexus.com/ld6ba2baa91b	da0de202e4744cbb3da474/coun	try.aspx	☆:
Applica	tion Name			by GeneXuš
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	Country			
		« < > » selec	T	
	Selection List Country			X
	<u>COUNTRY ID</u>		ld Name	
	<u>CO</u> UNTRY NAME	\checkmark	1 Uruguay	
		\checkmark	2 Japan	
		CANCEL		
				<u>A</u>

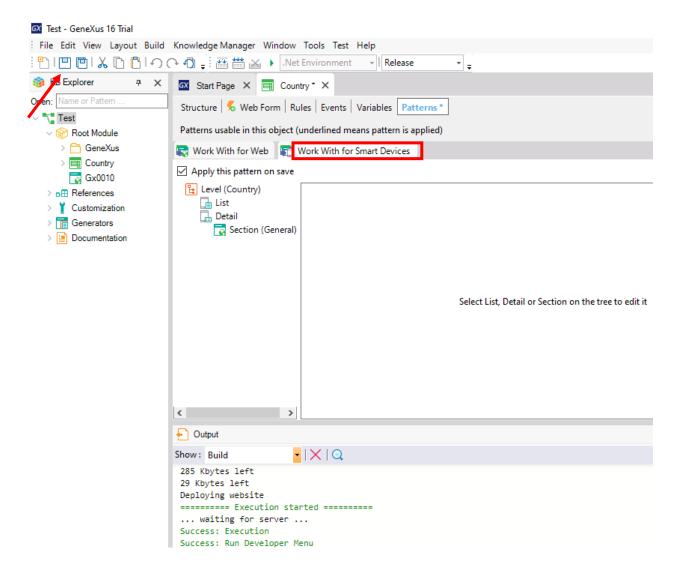
In this way, you have checked that the Test database, and the Country table with attributes for the identifier and country name, have been created in GeneXus. You've also checked that GeneXus has correctly created the Web application to access and maintain the countries' data.

Next, you will have GeneXus create a Smart Device application for Android to access the countries' details.

Step 4 – Creating and running the Smart Device application

Return to GeneXus and select the Country transaction. Click on the tab **Patterns** \rightarrow **Work With for Smart Devices**, select the check box **Apply this pattern on save**, and press the Save button in the toolbar.





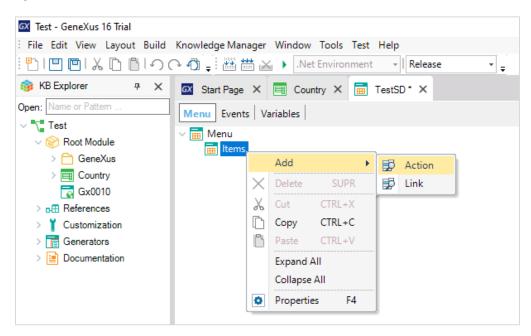
Next, open the main menu and from File \rightarrow New \rightarrow Object, create a GeneXus object of the Menu for Smart Devices type, call it *TestSD*, and click on **Create**.



New Object	:	×
Select a Category:	Select a Type:	
Workflow	Panel for Smart Devices	
Reporting Documentation	Theme for Smart Devices	
Web		
Extensibility		
Deploy Test		
Chatbots		
Smart Devices		
		-
Show application options	using different layouts.	ך
Name:	TestSD	
Description:	Test SD	
	Create Cancel	
	Create Cancel	

The menu you've just created is opened in GeneXus. In it, create a button to access the Smart Device application in order to browse and maintain the details of the countries saved in the database.

To do so, right-click on Items and select Add \rightarrow Action.



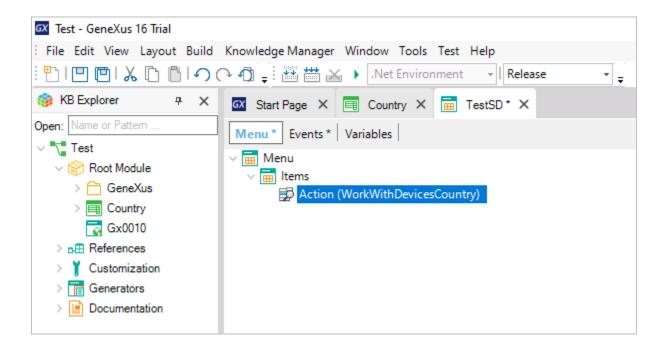


Next, select the WorkWithDevicesCountry object and click on OK.

Select	Select Objects						
Filt	Filters						
Pa	attem:			Type: *All		-	
Ca	ategory: *ALL		-	Module/Folder:			
	Modified:						
	j modilied.						
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	Name 🗠	Туре	Module	Description	Modified Date	Import Date	
10	SendEventTargets	Procedure	GeneX	Send Event Targets	8/12/2016 12	14/5/2020 14:29	
۰.	SendNotification	Procedure	GeneX	Send Notification	5/12/2016 9:	14/5/2020 14:29	
2	SendNotificationTargets	Procedure	GeneX	Send Notification Targets	8/12/2016 14	14/5/2020 14:29	
X	Server	External Object	GeneX	Server	30/12/2015 1	14/5/2020 14:29	
X	Share	External Object	GeneX	Share	30/12/2015 1	14/5/2020 14:29	
X	Socket	External Object	GeneX	Socket	9/8/2018 15:	14/5/2020 14:29	
X	Socket	External Object	GeneX	Socket	30/10/2017 1	14/5/2020 14:29	
X	StoreManager	External Object	GeneX	Store Manager	14/2/2017 14	14/5/2020 14:29	
X	Synchronization	External Object	GeneX	Synchronization	13/2/2019 11	14/5/2020 14:29	
X	SynchronizationEvents	External Object	GeneX	Synchronization Events	30/12/2015 1	14/5/2020 14:29	
X	Twitter	External Object	GeneX	Twitter	30/12/2015 1	14/5/2020 14:29	
X	WebBrowser	External Object	GeneX	Web Browser	22/8/2017 14	14/5/2020 14:29	
5	WorkWithDevicesCountry	Work With for Smart	Root M	Work With Devices Count	ry 14/5/2020 15	· · · · · · · · · · · · · · · · · · ·	
1 selected object(s). 69 matching object(s).							
(Select All New					OK Cancel	
	non					Ganoor	

As you can see, GeneXus has created the corresponding Action as an item in the TestSD menu.

This will create a button in the mobile device screen, from which you can invoke your program.



Save the TestSD menu object.

Next, place it in the KB Explorer, right-click on it, and select Set As Startup Object.

GeneXus[™]

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File Edit View Layou	ut Build Knowledge Manager Window	Tools Test Help				
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V 😭 Root Module	v 📻 Items					
> 🛅 GeneXus	🛃 Action (WorkWith	DevicesCountry)				
> Country	New >					
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> 📊 Generators 🐰	Cut CTRL+X					
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	History CTRL+MAYUSCULAS+H					
0	Properties F4					
	Build					
	Rebuild					
	Run 🗮					
	Run Without Building					
	Run With This Only					
	Build With This Only	XIQ				
	Set As Startup Object					
	View Last Navigation					
	View Navigation					
	Export					
	Apply Pattern					
C:\Models\Test	Select Left Side To Compare					

Press **F5** again.

GeneXus starts to generate several objects automatically. If at this point the Windows Defender Firewall in your machine blocks some of the app's components, give them access.



After a few minutes, the Android emulator is opened automatically and a Work With Devices Country button is displayed on its screen.



Click on the button to open the screen to work with countries, where the countries you have entered are displayed.



NOTE: If you have any problems to run it, click on the links shown in the following chapter.

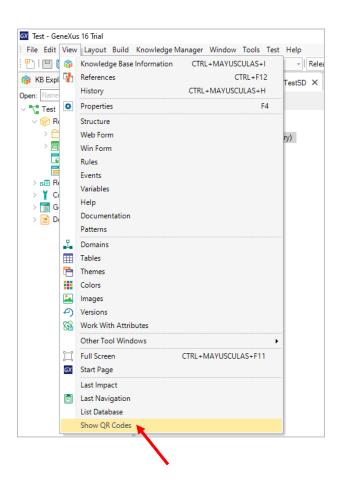
To continue with the test, click on the "+" button to enter a new country. Enter the value 3 in the ID field and USA in the Name field. Click on Confirm.



The country USA has been added to the list of countries.



Return to GeneXus, and in the main menu select View \rightarrow Show QR Codes.



The browser window is opened. Click on the Country link:



GeneXus Developer Menu	× +		
\leftrightarrow \rightarrow C (i) trialapps3.ge	nexus.com/ld6ba2baa91bda0de202e4744cbb3da47	4/developermenu.html?qrcode	Q
DEVELOPER MEN	IU		
	Web Objects Install	iOS Apps Install Android Apps	
	Browse	Web Objects	
	Country		
	Instal	l iOS Apps	
		Knowledge Base Navigator	

In the Country window, click on Select...

 Country ← → C	× + .genexus.com/ld6ba2baa91bda0de202e4744cbb3da474/country.aspx	- □ × ☆:
Applicatio	n Name	by GeneXus
Recents Country		
	Country	
	« < > » Select	
	Id 💿 Select	
	Name	
	CONFIRM CANCEL	

You can see the list of countries entered:



S Country	× +			- 🗆 ×
\leftrightarrow \rightarrow G	trialapps3.genexus.com/ld6ba2baa9	1bda0de202e4744cbb3da474	/country.aspx	\$
App	blication Name			_{by} GeneXus
Recent	s Country			
	Country			
	Selection List Country			X
	<u>CO</u> UNTRY ID		ld Name	
	COUNTRY NAME	\checkmark	1 Uruguay	
		\checkmark	2 Japan	
		\checkmark	3 USA	
		CANCEL		4

Confirm that USA is included in the list; it was added from the Smart Device.

If you were able to successfully perform all the steps indicated in this document, you can use GeneXus Trial for your training. We suggest visiting the links below; if you find any issues, please send an email to training@genexus.com.



Related Links

- Installation requirements and restrictions: <u>GeneXus 16 hardware and software requirements</u> (Restrictions of the **GeneXus Trial** version: 250 objects and 90 attributes.)
- 2) GeneXus Documentation Wiki: GeneXus Community Wiki
- Errors when using Smart Devices:
 <u>Android FAQ and Common Issues</u>
 <u>URLRewrite Common Issues</u>
- GeneXus training website:
 <u>GeneXus Training Site</u>