

## How to check if GeneXus is installed correctly

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## Abstract

In this document you will find the steps required to confirm whether GeneXus Full and GeneXus Learning work correctly for training courses.

Both GeneXus Full and GeneXus Learning provide two prototyping options: **locally** or on the **cloud**.

For the tests described below, local prototyping was used.

# GeneXus™

# Creating a Web application in GeneXus

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

## Step 1 – Creating a Knowledge Base

🐼 G	eneXus						
File	Edit View	/ Layout Windo	ow To	ools Test Help			
	New		•	Knowledge Base	Ctrl+Shift+N	Release	
1	Open		•	Knowledge Base fro	om GeneXus Server		
c	Close	Ctrl+F4		Module		talaca	Undata
	Close Kno	wledge Base		Folder		tplace	opuate
	Save	Ctrl+S					
	Save All	Ctrl+Shift+S					
	Recent KB	ls	•				Welcome
Exit							
			Ľ				Start Building Applications
				If you are r	new to GeneXus y	ou can ea	asily start by using one of our projects to crea

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

#### Call it Test and click on Create:

Create Knowledge Base		$\times$
	Name:           Test           Directory:           C:\Models           Language:           English	
	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?	
È		Yes No

Creating Knowledge Base
A Hide details
Creating Knowledge Base from template Processing file 'C:\Program Files (x86)\GeneXus\GeneXus17\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\GeneXus17\Startup\Common\GeneXusModule.xpz' Checking Import ReferencesFinished Reading import file objectsFinished

GeneXus indicates that the KB is being created:

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.

a	Test - GeneXus 17
ĒF	ile Edit View Layout Build Knowledge Manager Window Tools Test Help
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E E	Open: Name or Pattern
xplorer	V T Test
	✓ S Root Module
	> 🛅 GeneXus
	> DE References
	> 🏅 Customization
	> 📄 Documentation



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:	Select a Type:	
Common Workflow Reporting Documentation Web Extensibility Deploy Test Chatbots Smart Devices	Color Palette Data Provider Data Selector Data View Data Selector Data View Data Selector Data View Data Selector Data Selector Data View Data Selector Data View Data Selector Data Selector Data View Data Selector Data Selector Data View Data Selector Data Selector Data Selector Data View Domain Stanguage Stencil Structured Data Type	
Describe your application	's data requirements, the rules they have to fulfill and how it looks.	
Name:	Country	
Description:	Country	
	Create Cancel	

Note that a Country object has 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).





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

CountryId	Numeric(4.0)	Country Id				
Country	Country	Country Description				
Name	Туре	Description	Forn			
🖞 Structure * 🐔 Web L	ayout Rules Events Variable	es Patterns				
Start Page 🗙 📑	Start Page X 🥅 Country * X					
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File Edit View Layout In	sert Build Knowledge Manag	ger Window Tools Test Help				
Test - GeneXus 17						

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

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Fi	le Edit	View Layout Insert Build Kn	owledge Manager Window Tools	Test Help	
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ج	🐼 Sta	nt Page 🗙 📑 Country * 🗙			
BExp	Structu	ure * 🕺 🏍 Web Layout 🗍 🏍 Win	Form Rules Events Variables H	elp Documentation Patterns	
lorer	Name		Туре	Description	Form
(†‡†	E Co	untry	Country	Country Description	
	•	CountryId	Numeric(4.0)	Country Id	
	•	CountryName	Character(20)	Country Name	

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

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BExp	Structure * 🐔 Web Layout   🐔 Win Form   Rules   Events   Variables   Help   Documentation   Patterns				
lorer	Name	Туре	Description	Form	
++T	Country	Country	Country Description		
	- 📍 CountryId	Numeric(4.0)	Country Id		
	CountryName	Character(20)	Country Name		
	CountryName	Character(20)	Country Name		



### Step 3 – Creating and running the Web application

The transaction object is ready to be executed.

To do so, press **F5**.

The following dialog box is opened, prompting for the database and server name. Enter *Test* as the database name and the machine's name or *localhost* as server name, followed by "\*SQLEXPRESS*", as shown below. Leave the default value –**Use trusted connection**– unchanged and click on **Finish**.

Set required properties in Build process	×
Set required properties in Build proce	SS
The following properties must be set to start the values.	e Build process. Please fill them with appropriate
Database name Test	
Server name localhost\SQL	EXPRESS
Use trusted connection Yes	•
Edit connection Cancel	< Back Next > Finish

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



🐼 Start Page 🗙 📑 Country 🛇	🚺 Impact Analysis 🗙					$\sim$
The Database tables will	be created.					
This report describes how the Data Please select Create to proceed or Create Cancel	base tables will be created. ·Cancel.					
Pattern: Country	Table Country specific	cation			\$	*
	Table name: Country					
	Country is new					
	Table Structure				*	
	Attribute CountryId CountryName	Definition Numeric (4), Not null Character (20), Not null, NLS	Previous values	Takes value from		
	Indexes				\$	
	Name ICOUNTRY	Definition primary key Clustered	Compos Dt <u>Cou</u>	ition Intryld		
	Statements				*	
	CREATE TABLE [Countr [CountryId] SMAL	y] ( LINT NOT NULL,				•
🛿 🔕 0 Errors 🛕 0 Warnings 😒 1 S	uccess					
🔁 Output						
Show: Build Searching redundancy in Cou Updating redundancy in Cou Specifying GXLRED Loading table and attribute Saving specifications. Success: Database Creation	×  Q ⇒ intry try : properties Analysis					

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 Developer Men ×					Θ	-		×			
← → C O localhost/Test.NetEnvironment/developermenu.html							☆	:			
DEVE	LOPER	MENU									
			Bi	rowse V	Web Ot	ojects					
		Country									

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.

✓ Country ✓ C Olealhost/	× \ est.NetEnvironment/country.aspx	Θ	-	□	× ]:
Application	on Name	b	, Ger	nēXu	Ŝ
RecentsCountry					
	Country    Data has been successfully added.				
	CONFIRM				

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:



Country ×			Θ	- 🗆 X		
← → C ③ localhost/Test.NetEnvir	onment/country.aspx			* :		
Application Na	ьу <b>С</b>	by <b>GeneXuš</b>				
RecentsCountry						
Country						
	« <	SELECT				
Selection List Co	untry		Х			
<u>CO</u> UNTRY ID	Id	Name				
COUNTRY NAME	✓ 1	Uruguay				
_	✓ 2	Japan				
	CANCEL		A			

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 will correctly create the Web application to access and maintain the countries' data.

If you were able to successfully perform all the steps indicated in this document, you can use GeneXus 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:
   GeneXus 16 hardware and software requirements
- GeneXus Documentation Wiki:
   <u>GeneXus Community Wiki</u>
- **3)** GeneXus training website:

**GeneXus Training Site**