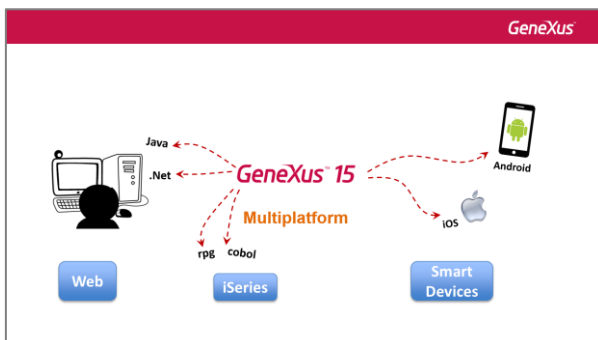


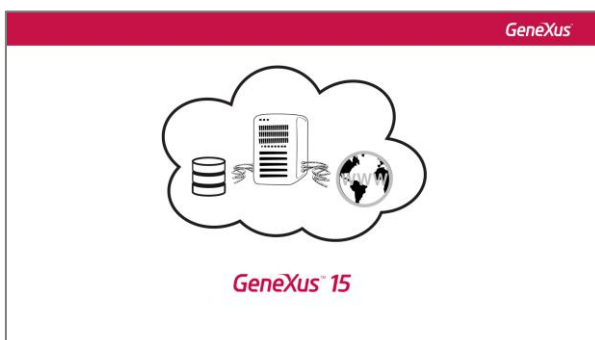
GeneXus Course Introduction



As we all know, GeneXus is **multi-platform** because it enables us to describe what we need in a system...

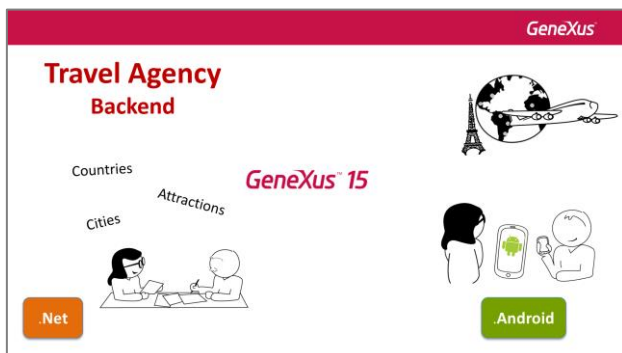


...and decide to generate part of the application in a web environment... and another part for a mobile device... as well as select a specific language for generating the code and choose a particular database to store the information relative to the application.



GeneXus also offers the possibility of generating the application in the cloud (specifically for prototyping, GeneXus has available the Amazon cloud). The installation may otherwise be local.

It is possible to generate certain parts in one language and other parts in a different language, and for more than one environment and interacting with several databases.



In this course, since we must select one of the generation environments that GeneXus offers to be shown, we will describe and generate a part of the requirements that will enable end users to work in web environment. That part will comprise the backend of an application for a travel agency. What we call backend is the internal application used only by the staff at the travel agency in order to enter data on the countries, cities and tourist attractions offered, as well as information on flights, customers and so on.

We could, for example, choose to generate the source code in Java, or .Net... This time we will do it in .Net.

To enable mobile work we will implement a part for smart devices.

This will be a small module meant for end users that will enable them to make queries on trips available and on the main tourist attractions that each city has to offer.

We could generate this module for Android, for Windows, or for iOS.

Each technology has its own specific programming language, operating systems and native functionalities. Just as GeneXus generates the programs of the web application on the platform selected, it will do the same with programs for smart devices.

Our choice here will be Android.



And lastly, we will use GeneXus Server to automatically manage our application so as to benefit from all its features.

Is recommended for persons developing an application individually, as well as for team developments.

Among other things, its multiple benefits include:

- The possibility of working freely and sure that nothing will affect the application on the server.
- Having an automatic backup for our application.
- Having a historical record of changes.
- The possibility of easily integrating a new developer, and so on.

