Automatic Deployment from the IDE with F6
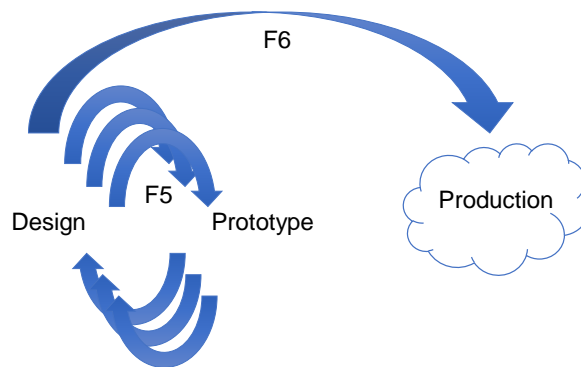
Introduction

GeneXus™
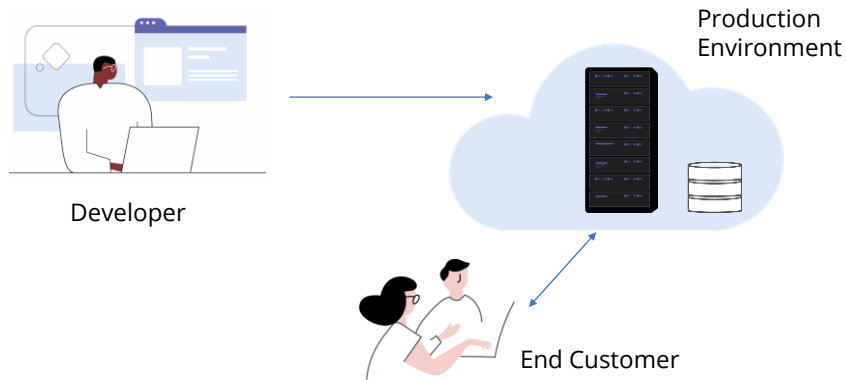
The deployment process, or production deployment, consists of running the application we developed on our machine in the production environment; i.e., in the cloud or on the end customer's computer for whom we created the system.

This deployment involves copying the compiled files and other important files such as libraries, JavaScript files, images, and other resources, depending on the type of application being developed and the generator selected, from the development machine to the client infrastructure to be used as a server. Also, the database must be created and access to all external resources such as web services, other databases, etc. must be ensured, which implies configuring the necessary URLs and having the corresponding user permissions in each case.

Therefore, deployment or production deployment is an important part of application development and is one of the stages of the DevOps process that we will discuss later.

Today, most customers use cloud infrastructure to host their applications.

GeneXus provides a tool integrated with the IDE, which performs the production deployment automatically in the cloud service hired by the customer.

The developer purchases cloud services and the GeneXus Cloud team helps him design the required infrastructure and configure it appropriately.

Once this has been set up, by pressing F6 from the IDE, an automatic deployment is carried out in the prepared environment. By pressing F6, GeneXus automatically validates, packages, transfers, and publishes the application in the cloud.

When developing our application, we will press F5 many times as we have done so far, because we will be generating incremental prototypes until we are confident that everything works correctly. Then, when we decide to deploy a version, we press F6.

From now on, every time we press F6, the deployed system will be updated, so our client will see the changes we've made to the application.

For more information...

https://wiki.genexus.com/commwiki/servlet/wiki?28935

In addition to F6 functionality, GeneXus also offers GeneXusCloud Deployment Services, which include a series of tools for managing and monitoring deployments, such as database backups, versioning, display of differences between deployments, and other features.

For more information about automatic deployment with F6 and GeneXus Cloud Deployment Services, visit this wiki link:
 https://wiki.genexus.com/commwiki/servlet/wiki?28935

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