

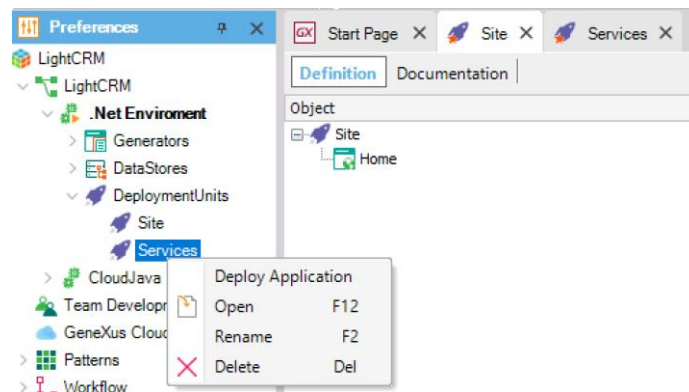
Continuous Delivery and Deployment

You may be familiar with the concepts of DevOps and Continuous Integration, which have already been introduced and discussed.

Now, the concepts of Continuous Delivery and Deployment will be added.

Continuous Delivery is achieved when Continuous Integration also includes automatic assembly of the package so it can later be moved to production with a single click.

To this end, GeneXus offers the Deployment Unit object that allows you to separate the deployment of each part of the application to take it to production. In this way, you can deploy certain parts without having to take everything together.



The objects available to integrate a Deployment Unit are as follows:

- Main objects
- File objects
- Business Process Diagram objects

For example, you could have the back end in one Deployment Unit object and the rest of the services in another. As a result, if you need to make a change in the back end but don't have the services ready for release yet, you can deploy only the back end.

In addition, objects of Deployment Unit type allow saving all the objects necessary for this back end to work correctly. The next time the back end is deployed, everything related to it will be taken into account again.

Therefore, it is possible to automate the deployment by using the Deployment Units together with GeneXus Server and Jenkins.

Now, let's talk about Continuous Publication or Continuous Deployment.

Continuous Deployment is achieved when the Continuous Integration and Continuous Delivery process is so seamless and automatic that it can be implemented automatically and continuously.

GeneXus allows deploying to a Docker container for a more continuous delivery of the application.

This makes it possible to create a binary containing the entire application to be implemented. It can be programmed and automated, which makes it easy to include in the DevOps process as well.