Continuous integration is a form of automation testing which checks that the application

is not broken whenever new commits are integrated into the main branch.

Developers using continuous integration aimed to merge their changes back to the main branch

as often as possible.

Continuous delivery goes one step further than continuous integration in that you have

an automated release process that merges your changes from the automated testing process

and pushes them to a staging environment.

Finally, continuous deployment goes one step further than continuous delivery and automates

the process of pushing changes from the staging environment to the production environment.

This enables new features and patches to reach your customer even faster.

The IBM Cloud DevOps services are a set of tools that support development, deployment,

continuous delivery, and operational tasks.

A DevOps toolchain is a set of tools and templates that automates the tasks of developing and

deploying your application.

It contains templates for building and deploying your project.

It also supports integration with many third-party tools.

The continuous delivery service automates the building and deployment of applications.

The delivery pipeline is a part of the continuous delivery service.

It allows developers to automate builds, unit tests, and deployments.

Here we see an example of using the DevOps approach with IBM Cloud tool chain.