

# Demo: Z DevOps using Git and Jenkins pipeline

June 17, 2020 1 – 2:30 PM USA EAST

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## Jenkins

The objective of this session is to demonstrate the power of collaborative development and delivery enabled by the [IBM Z for DevOps](#) solutions.

Application teams can learn how they can modernize their application portfolio using modern technology and tools. We will focus on code and build, automate unit testing and deploy.

Production teams can learn how they can extend and automate their existing build and deployment solutions for enterprise applications

This session will demonstrate how *IBM Z DevOps* and open source tools like [Git](#) and [Jenkins](#), progress the continuous integration, continuous testing and continuous delivery in the z/OS operating environment..

Our scenario consists of a “broken” *COBOL/CICS/DB2* application. The developer will use *IBM DevOps* tools to locate and identify the faulty code, make the appropriate fixes and compile/link/bind using a new build automation tool ([DBB](#)) that integrates with *Git* and *Jenkins* pipeline on z/OS. Once the code is fixed, the developer will push the changes to a *Git* repository.

In order to demonstrate continuous delivery capabilities, this session will showcase a *Jenkins* pipeline integrated with IBM tools for the build process, unit testing(using the new [zUnit](#) functionality), and deployment of code to a *CICS* environment (using [UrbanCode Deploy](#)).

While our scenario uses a *COBOL/CICS/DB2* program as an example, the process is similar to other environments or languages (such as *Batch*, *IMS*, or *PL/1*).