

GitLab Ultimate for IBM z/OS

Automate and accelerate enterprise software delivery

Business innovation depends on the ability to quickly develop and deliver reliable software. Organizations are asking software development teams to create new applications, modernize platforms to hybrid cloud, and maintain integrations. This often involves multiple teams, processes and tools, which makes it especially difficult to drive enterprise-wide DevOps standardization.

The partnership between IBM and GitLab has resulted in a unified enterprise-wide DevOps platform with enhanced support for IBM z/OS® applications management. GitLab Ultimate for IBM z/OS extends and enhances the powerful GitLab DevOps solution to embrace z/OS development. It brings agility at scale with process optimization and benefits from IBM expertise to eliminate the DevOps challenges created by platform differences. Central to the z/OS development is the powerful IBM Dependency Based Build, essential for handling the massive complex applications found on z/OS.

GitLab Ultimate for IBM z/OS is a comprehensive, unified solution that offers streamlined agile software development and delivery right across the enterprise.



The challenge

DevOps toolchain complexity impacts business innovation

Challenges from toolchain complexity

- Complexity, bottlenecks, and inefficiency
- Toolchains operate at different velocities
- Poor collaboration and communication between teams
- Periodic crisis, unsatisfying tradeoffs
- Lack of visibility and traceability

Effects of these challenges

- Poor quality products, unexpected costs
- Enterprises operate at the speed of the slowest
- Poor velocity, product launch delays, lost market opportunities
- Poor developer experience, high employee turnover
- Business disruption, damaged reputation, customer attrition

Forrester Consulting Study commissioned by GitLab ¹

- Majority reported using **two to five toolchains** to support software delivery with **56%** reporting that **each toolchain is comprised of six or more tools**
- **71%** indicate governance, end-to-end visibility of software delivery are major challenges
- **67%** agree that handoffs between teams using different tools slows down delivery



The solution

GitLab Ultimate for IBM z/OS

GitLab Ultimate for IBM z/OS brings together GitLab and IBM Dependency Based Build to provide robust features that span the entire software delivery lifecycle:

- **Source Code Management** to design, develop and securely manage code and project data
- **Continuous Integration** to automate the builds, integration and verification of code, with IBM Dependency Based Build providing an **intelligent build capability for traditional z/OS applications**
- **Value Stream Management** with analytics to visualize and manage the DevOps flow with actionable reporting on common workflows and metrics
- **Portfolio Planning and Management** to support Agility as Scale with insights and milestones to organize and track progress
- **Powerful integrations** with IBM tools like IBM Developer for z/OS, IBM Z® Virtual Test Platform and popular tools like Jenkins, Artifactory, UrbanCode Deploy

Reduce toolchain complexity

Eliminate legacy tools which restrict innovation and agility. Leverage one solution that addresses multiple platforms

Easily peer review

Streamline committal and approval of changes

Fasten time to market

Reduce learning curve for new developers

Improve productivity

Boost collaboration with real-time visibility of status across an optimized DevOps lifecycle

Deliver quality software

Automate software delivery, avoid rework with simplified tracking & monitoring

Flexible licensing

Save costs with cloud-like subscription pricing



Value of the solution

GitLab Ultimate for IBM z/OS

GitLab Ultimate for IBM z/OS changes the way Development and Ops teams collaborate and build software. Enterprises can manage multiple agile projects that are highly complex and hierarchical with a single optimized solution.

- **Drive enterprise-wide DevOps automation strategy** with one solution that addresses multiple platforms
- **Enable rapid iteration with a single agile version control system** to design, develop and securely manage code and project data
- **Streamline collaboration** through easy peer review for committal and approval of changes
- **Enable continuous integration** with optimized builds and easy resolution of updates
- **Automate build and manage dependency control** for large z/OS applications
- **Organize, plan, align and track project work** across teams with the portfolio planning and management tool
- **Visualize the end-to-end DevOps workstream**, identify inefficiencies, and take action to optimize those workstreams with value stream management
- **Integrate with IBM DevOps tools** to analyze, build and maintain z/OS applications, with **popular DevOps** tools to ease adoption and optimization
- Leverage **flexible, subscription licensing**

GitLab Ultimate for IBM z/OS



GitLab



Learn more

For more information on GitLab Ultimate for IBM z/OS:

<https://www.ibm.com/products/gitlab-ultimate/zos>

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