Accelerate the delivery of business value with DevOps-enabled automation

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Organizations are facing an unprecedented convergence of technological, social and regulatory forces:

- Time to market challenges
- High operational costs
- Managing complexity
Top concerns of WebSphere clients:

• Estate complexity

• Escalating costs

• Lack of cloud skills
Left alone

40%

of IT budget will be consumed by technical debt.

Massive transformation programs are hard to greenlight and often fail to deliver quick results.

How do you break through to innovation?
**IBM has you covered.**

### Base solution
- IBM Cloud Pak for Business Automation
- IBM Cloud Pak for Integration
- IBM Cloud Pak for Network Automation
- IBM Cloud Pak for AIOps

### Delivery platform
**GitLab Ultimate for IBM Cloud Paks**

### DevOps extensions
**IBM DevOps ecosystem**

### Infrastructure
- Red Hat OpenShift

### Services
- IBM GBS and IBM Business Partners
Accelerate your WebSphere modernization

GitLab Ultimate for IBM Cloud Paks + IBM WebSphere Hybrid Edition

Coordinate your digital transformation seamlessly across development, operations and security

Connect roadmap creation to delivery execution

Build new applications directly in containers.

• Ensure every code change is releasable
• Scale testing with parallel builds and flexible pipelines
• Save time with auto-scaling CI/CD job runners

At the current rate, by 2025, technical debt will compound to consume more than 40% of the current IT budget.¹

¹ Source: Gartner: Application Modernization Should Be Business-Centric, Continuous and Multiplatform, ID G004300842
Poll question

- What is the current DevOps maturity in your organization/project:
  - Not started
  - Started on individual projects
  - In the process of implementing standards across projects
  - Realizing the benefits of DevOps automation across the organization
Your **business results** depend on your ability to deliver secure software innovation

- Deliver business solutions
- Modernize platform technology
- Develop and maintain integrations
- Address security and compliance risks
But demand is stretching the ability of your IT teams to quickly develop and deliver secure software solutions.

- Lack of collaboration due to siloed teams, tools and processes
- Quality risk, security vulnerabilities and unexpected costs from poor test coverage
- Delayed delivery caused by complex and multi-chain dependencies

- Poor quality products, over budget, unexpected costs
  - Frequent rework, wasted cycles and budget, lower employee productivity

- Business disruption, damaged reputation, customer attrition
  - Simplify the software development toolchain to reduce total cost of ownership

- Poor velocity, lost market opportunities, product launch delays
  - Poor business agility, unable to capture new opportunities and get quick market feedback
Software development teams want to do this ...

Idea → Stories → Design → Change mgt → Development

Release → Instantiation → Test → Resolve → Monitor

Deploy → Configuration mgt

- Stories to code
- Code to release
- Release to change

Value Stream Governance
But the cloud native landscape doesn’t make it easy

| 1000s of Tools | Multiple Data Models | Complexity & Risk | Lack of Transparency |

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But the cloud native landscape doesn’t make it easy...
IBM DevOps
A simpler way to quickly develop and deliver secure software solutions

IBM IS REPLACING POINT TOOLS...
- Project management
- SCM
- CI/CD
- Issue tracking
- Container registries
- Logging
- Dependency scanning
- License management

AND ENABLING ENTIRELY NEW CAPABILITIES...
- Concurrent development
- Moving security forward (SecDevOps)
- Seamless collaboration
- Full accountability
- Cycle time measurement
- Transparency
- Real-time feedback
- ...

A single, intuitive user experience, data model and integrations
Demo Scenario

1. Create an issue
2. Develop a solution
3. Commit the change
4. Build, Test, Assess security:
   - CI pipeline runs
   - Review app
   - Peer review & discussion
   - Approve changes
5. Merge, issue closed
6. Release:
   - CD pipeline runs
7. Initiate monitoring
Demo Scenario

- **Commit the change**
- **Develop a solution**
- **Create a solution**
- **Create an issue**
- **Verify**
- **Secure**
- **Build, Test, Assess security**
- **CI pipeline runs**
- **Review app**
- **Peer review & discussion**
- **Approve changes**
- **Merge, issue closed**
- **Commit the change**
- **SCM Code Review**
- **Web IDE**
- **Create**
- **Container Scanning**
- **Sec Orchestration**
- **StaticAppSec Testing**
- **DynAppSec Testing**
- **Fuzz Testing**
- **Package Reg**
- **Container Reg**
- **Helm Chart Reg**
- **Release**
- **CD pipeline runs**
- **Infra as code**
- **ChatOps**
- **Serverless**
- **Run Books**
- **Metrics**
- **Syn Monitoring**
- **Plan**
- **Create an issue**
- **Protect**
- **Compliance Management**
- **DevOps Reports**
- **Value Stream Management**
- **Time Tracking**
- **Quality Management**
- **Requirement Management**
- **Continuous Delivery**
- **Release Orchestration**
- **Adv Deployment**
- **Infra as code**
- **ChatOps**
- **Serverless**
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Simplify your software development and delivery

- **Improve delivery operations** by making it easier to live with multiple tools with data driven delivery then automate and augment as much of the delivery lifecycle as possible
- **Reduce security and compliance risk** by automating testing as early as possible and understand the relationships between activities and data
- **Deliver reliable solutions faster** by orchestrating automatically across multiple delivery pipelines
Explore and schedule a free virtual consultation with an expert.

With GitLab Ultimate for IBM Cloud Paks, you no longer have to sacrifice software quality for delivery speed.

**Improve delivery operations**
Apply data driven delivery then automate and augment as much of the delivery lifecycle as possible.

**Reduce security and compliance risk**
Automate testing as early as possible and get insights from the relationships between activities and data.

**Deliver reliable solutions faster**
Orchestrate automatically across multiple delivery pipelines.

ibm.com/products/gitlab-ultimate
Thank you

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