Our Legacy DevOps solution allows developers to operate in a modern DevOps environment on the mainframe or after migration. It supports legacy code on the mainframe and modern code on open-system platforms, enabling developers to quickly understand and work with the modernized system.

Legacy DevOps, a solution within our Application Modernization powered by innoWake™ suite, uses a custom toolset that incorporates continuous integration and deployment to help streamline and automate the code-change lifecycle. It also allows developers to identify, track, and test changes to the mainframe environment, as well as open systems after migration.

Legacy DevOps communicates between legacy code of mainframes and open platforms. The solution helps enable developers to maintain and work with legacy applications on a modern platform and can reduce complexity of development processes.

Legacy DevOps also provides a unified integrated development environment (IDE) for legacy code on open systems and mainframes. It employs the standard Eclipse framework, which helps make legacy code immediately accessible to Java and .NET developers, and helps familiarize legacy developers with modern languages.

### Key capabilities

- **Continuous integration**: New and updated code are continuously integrated with a central code repository, which helps deliver automated, error-free builds that can be quickly deployed.
- **Continuous deployment**: Deploys features from continuous integration into production, where they are tested and prepared for release.
- **Automated testing**: Enables deployment and post-deployment testing in local environments.
- **SOA architecture**: Modularizes processes and systems to streamline development, maintenance, and extension of services.
- **Lifecycle management**: Automatic lifecycle management employs automated deployment, version control tracking, and provisioning.
- **Efficient development**: Allows developers to make changes to the legacy code and supports testing in local environments before code deployment.
- **Enhanced deployment**: Developers can make and track changes across different languages; automates deployment processes to development, test, and production environments.

### Potential business benefits

- **Quality apps**: Helps improve application performance, which can create operational efficiencies.
- **Fewer manual processes**: Automation can help eliminate human error and reduce costs.
- **Productivity gains**: Can increase productivity and accuracy of development team.
- **Enhanced testing**: Automated testing can detect defects early, which can help reduce costs and improve time to market.

### Continuous integration and continuous delivery with Legacy DevOps

#### Continuous Integration

- **Plan**: Define DevOps roadmap/timeline
- **Build**: Define DevOps CI/CD processes
- **Test**: Document use of DevOps tools
- **Monitor**: Identify roles & responsibilities for CI/CD
- **Objectives**: Configure code repository & access, Build CI/CD scripts, Install & configure DevOps tools, Verify function of DevOps process & tools

#### Continuous Deployment

- **Deploy**: Deploy, QA, Regression test, Validate functionality, Confirm Go decision
- **Release**: Perform operational tasks in production environment
- **Monitor**: Infrastructure, Network, Application, Security

### Use DevOps methodologies in legacy and modern environments
The right tools, teams, and experience

Legacy DevOps works with other Application Modernization and Deloitte services to help you design and implement an end-to-end migration. Our Legacy DevOps solution:

- Integrates with our Modernization solution to support rapid and efficient development without detailed programming knowledge
- Can draw upon the expertise of Deloitte’s Cloud and Systems Integrations ecosystem of strategic services
- Traces and automatically deploys changes made to legacy artifacts
- Enables developers to train on modern tooling while using existing infrastructure and/or mainframe
- As a single-source vendor, we manage all team activities as part of the overall project-management workstream

LEARN MORE

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To learn more about Deloitte’s Legacy DevOps solution, visit:
http://www.deloitte.com/us/appmod-legacy-devops

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