

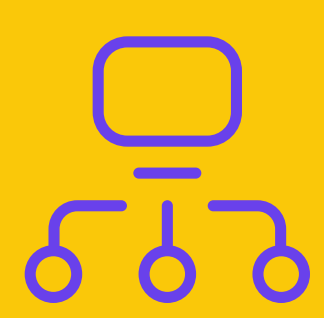
Integrated DevOps: A Solution for Mainframe and Cloud Development

How to streamline your code delivery and deployment across platforms



Many companies today rely on both mainframe and cloud platforms to run their critical applications and services. However, developing code for these different environments can pose significant challenges. Developers often have to use different tools, languages, and processes, which can lead to inefficiencies, errors, and delays. Moreover, integrating and testing code across platforms can be complex and time-consuming, especially when dealing with legacy systems and dependencies. These challenges can hinder the agility and quality of software delivery and the collaboration and innovation of development teams.

That's why we created Integrated DevOps, a product that enables you to develop, test, and deploy code for mainframe and cloud platforms using a single, unified workflow. With Integrated DevOps, you can leverage DevOps's best practices and tools, such as continuous integration, continuous delivery, and automation, to accelerate your software development lifecycle and improve your business outcomes. Integrated DevOps helps you to:



Reduce the complexity and cost of mainframe development by using modern languages, frameworks, and tools



Enhance the quality and security of your code by using automated testing, code analysis, and scanning tools



Accelerate the delivery and deployment of your code by using pipelines, artifacts, and environments that span across platforms



Improve the collaboration and visibility of your development teams by using a common platform, dashboard, and feedback mechanism



Increase the innovation and value of your software by using cloud-native technologies, such as microservices, containers, and APIs

Integrated DevOps is designed to work with your existing mainframe and cloud infrastructure and your preferred tools and processes. You can easily integrate it with your source control, issue tracking, testing, deployment tools, and your mainframe and cloud services. You can also customize it to suit your specific needs and preferences, such as your coding standards, security policies, and governance rules.

Solution Overview

Partner with Ensono's expert consultants to install and implement an Integrated DevOps solution. We will work with you to ensure your development environments are streamlined between the mainframe and distributed technologies. Each implementation is bespoke, so we work in partnership to drive the solution to the best benefit of each client using primarily IBM software and the pipeline deployment within the public cloud provider, hosted on Linux VMs.

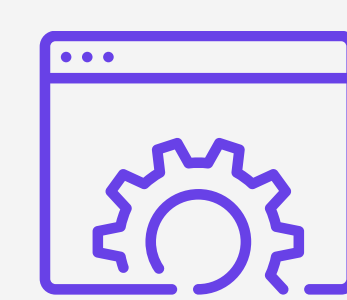
Agility and Speed

- Faster release cycles
- Quicker time to resolution
- Development Parallelism
- Enable APIs in minutes
- Employ rapid application analysis



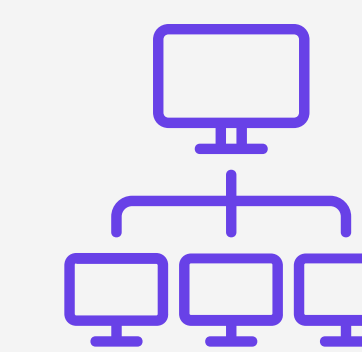
True Hybrid Development

- Developers focus on code
- Parity between Front and back end
- Reduced need for disparate teams
- Edit, Debug, build, and deploy z/OS applications using cloud-native tools



Unified Framework

- Standardization of tools and processes
- Leverage market-leading pipelining capabilities
- Ensure coding standards are enforced across the development enterprise
- Tollgates to deployment to ensure activities and deliverables are completed
- On-Demand Sandbox
- Self-service management of your environment



Use Cases

Agility

Enabling an agile development methodology across both Mainframe and distributed systems will reduce development cycles and allow quicker resolution of changes and issues. By embracing development parallelism, you will remove roadblocks from your deployment paths and enable changes and bug fixes throughout the development process. Enabling all developers to make changes will increase speed and bandwidth in your development teams

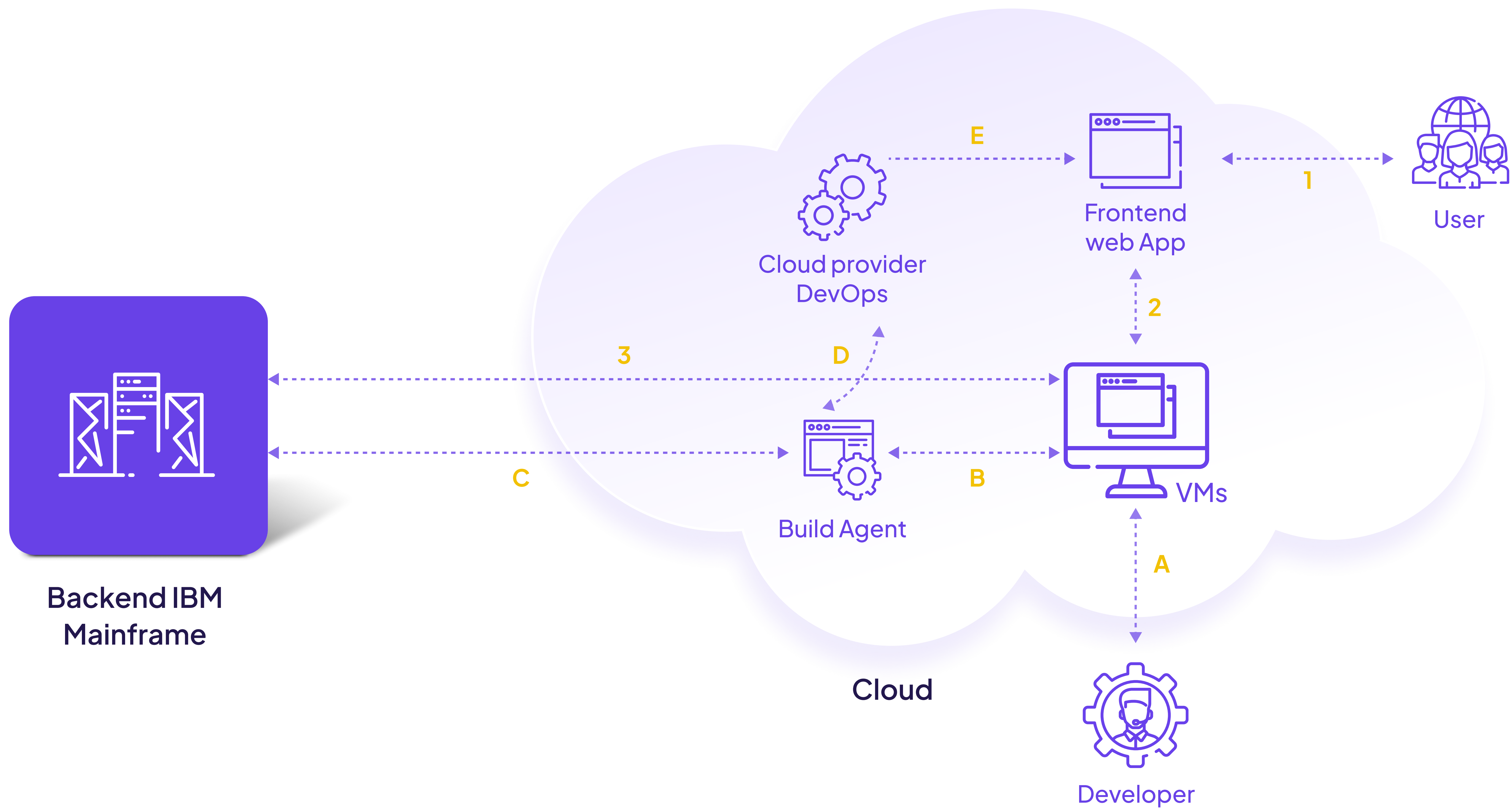
Standardization

Consolidate development tools into one standard set to be used by all developers across the enterprise. This will increase the bandwidth of teams by making it possible for individuals from all disciplines to develop cross-platform, allowing you to focus on hiring developers not just for specific environments. Ensures standards are adhered to across the board.

Security and vulnerability mitigation

By leveraging market-leading pipeline capabilities, you can ensure coding standards are enforced across the board. Utilize tollgates to deployment to provide activities and deliverables are completed before progressing. Use existing vulnerability scanning tools to incorporate security practices at every stage, ensuring code is secure from development to deployment.

Architecture



If you want to learn more about how Integrated DevOps can help you transform your software development and delivery, please visit our website at www.ensono.com. We would love to show you a demo and answer any questions you may have.

To learn more, visit ensono.com