

Kyndryl Mainframe DevOps Transformation Strategy

Integration and agility drive responsiveness

The modern hybrid cloud environment spans many different technology platforms, which are often maintained and improved using different approaches. Businesses can increase speed and effectiveness through the implementation of common management and development processes that help to navigate the complexity of supporting these integrated environments.

Adopting an enterprise-wide DevOps culture provides the necessary integration and agility, enabled by standard processes and open tooling.

The benefits of implementing DevOps are well documented. Using Continuous Integration/Continuous Delivery (CI/CD) processes and managing everything as code (including the infrastructure) reduces time to deployment, improves quality, and increases the productivity of the people in the organization. Open-source tools can displace costly version control and other software, reducing management costs. Implemented effectively, these solutions further reduce cost and improve quality by providing opportunities for automation.

Most technology leaders have driven DevOps into their distributed, x86-based environments, but few have extended the transformational benefits they received from this change in approach to their core enterprise IBM Z or IBM i platforms.



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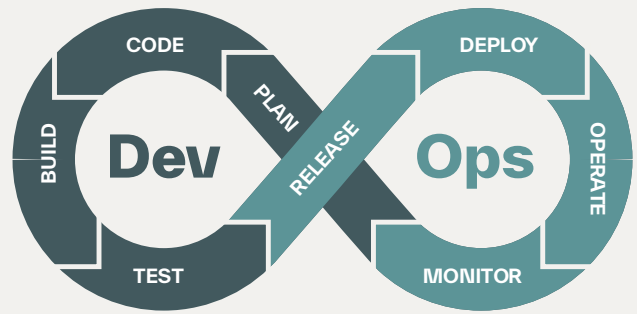
Because most enterprises have implemented DevOps in their distributed environment, a first key step is understanding the overall strategy, process, and tooling already in place.

With the base architecture identified, a mapping can be made to tools with the functionality that support the mainframe. The good news is that most of the popular open tools that are widely in use also support IBM Z and IBM i.

If there are tooling gaps, then there are industry-leading solutions that have the required functionality for the mainframe. These can be integrated into the tool chain to enable common process, procedure, and practice.

Using the exact same processes used on the rest of the hybrid cloud speeds deployment and shortens the learning curves for the people who support and manage the technology.

Kyndryl's 8,000+ highly experienced and knowledgeable experts manage mainframes for hundreds of customers. We apply the skills we have acquired and best practices we have defined to your unique environment to help ensure your transformation is successful.



The Mainframe DevOps Transformation Strategy includes the following steps:

1.

Discovery

We begin the engagement with interviews and a workshop focused on understanding the applications and infrastructure environment as well as any key business drivers that could affect deployment timelines or guidance. During this phase we also examine the tools and process already deployed.

2.

Assessment

Following discovery, we perform a detailed assessment of what is required on the mainframe to support each of the key steps in a successful DevOps process.

3.

Recommendation

The results of our analysis include a strategy, target architecture with detailed tooling identified, automation recommendations, and a high-level implementation plan. This plan identifies risks and mitigations, focus areas for improvements to technology we may discover, and training requirements.

Kyndryl can also be engaged to help you realize the strategy and plan through deployment as an option following the engagement.

At Kyndryl, we help our customers place the right workload on the right platform based on the unique business and technical requirements of the workload. A major enabler of that flexibility is the transformation of IBM Z and IBM i development environments through implementing integrated DevOps for the modern mainframe.

Why Kyndryl?

Kyndryl has deep expertise in designing, running, and managing the most modern, efficient, and reliable technology infrastructure that the world depends on every day. We are deeply committed to advancing the critical infrastructure that powers human progress. We're building on our foundation of excellence by creating systems in new ways: bringing in the right partners, investing in our business, and working side by side with our customers to unlock potential.

Next steps

Whether you are a current Kyndryl customer or new to [Kyndryl Core Enterprise and zCloud Services](#), contact your Kyndryl representative to arrange a Mainframe DevOps Transformation Strategy for your organization and take the next step in your mainframe transformation. For more Information about all of Kyndryl's services, [schedule a consultation](#).



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