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Kyndryl Multicloud Management Platform: DevOps console

Maximize development
and operations collaboration



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Summary

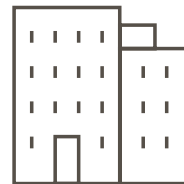
Bringing cloud-native applications to market faster is a driving force behind hybrid, multicloud adoption, but stronger DevOps coordination is needed for lasting change. Within multicloud environments, the number of DevOps tools increases dramatically and often triggers organizational silos. Case in point, most IT teams manage DevOps toolchains separately, with only 11% using a unified platform.¹

Without shared DevOps tools and a broad view into the pipeline, innovation is limited, which affects your competitive posture in the digital economy. Yet, there's an upside—nearly half of companies using DevOps widely apply a centralized solution for benefits such as better visibility.¹

Complete pipeline visibility

A collective view of the application lifecycle improves collaboration between development and operations. This method removes bottlenecks and magnifies innovation, so you can deliver applications to customers faster.

The Kyndryl™ Multicloud Management Platform (MCMP) scales with your business and provides an open, security-rich, self-service experience to help you achieve a favorable technology ROI. Four persona-based consoles are included in the Kyndryl MCMP to facilitate managing digital services across clouds and data centers.



Nearly half of companies using DevOps widely apply a centralized solution for benefits such as better visibility.¹

The Kyndryl Multicloud Management Platform: DevOps console specifically provides you with a method for optimizing the software development pipeline. By using continuous integration and continuous delivery (CI/CD), teams can move code at near-lightning speed.

Align DevOps with your journey to the cloud

Using one dashboard and greater visibility into the pipeline, the site reliability engineer (SRE) and development manager coordinate efforts—a critical step for successful DevOps transformation in the cloud.

Key benefits:

- Simplify management of complex DevOps environments with one dashboard to view all aspects of your pipeline.
- Break down silos between development and operations teams and streamline the process.
- Add automation and monitoring capabilities for deployment time, testing and KPIs to continually refine the process.
- Apply new DevOps methodologies to help reduce production costs and mean time to recovery (MTTR) for production failures and increase deployment volume.
- Increase DevOps agility while maintaining enterprise-wide, security-rich control.
- Incorporate DevSecOps so applications include security-enhanced and compliance assessments.

Capabilities

Having a consolidated view of your pipeline drives smarter business for positive business outcomes such as efficiency and quicker problem resolution. Research shows that companies using DevOps across the enterprise are more likely to have increased toolchain automation.¹

The Kyndryl MCMP DevOps console integrates AI and automation and two applications, Kyndryl Multicloud DevOps Intelligence and Kyndryl DevOps Commander, to provide your business with:

- A comprehensive tool to automatically define, deploy and configure your toolchain.
- A shared, end-to-end view of your pipeline from the commits to every build, test and deployment stage, including production fixes.
- A platform to build and optimize cloud-native and cloud-optimized applications across hybrid IT environments, including IBM Cloud®, Amazon Web Services (AWS), Google Cloud Platform and Microsoft Azure, as well as Kubernetes workloads.
- Visibility into multiple monitoring tools to track application performance with details, such as logs and runtime analytics.



IT leaders cite faster and higher-quality deployments and improved developer productivity as the top three drivers for scaling DevOps across the enterprise.²



Use cases

1

Shorten deployment time

Problem: The SRE or lead developer must use multiple tools that require configurations, which affect application deployment speed.

Solution: Both the SRE and lead developer only need the DevOps console to seamlessly manage their CI/CD pipelines across several tools.

Business benefit: A centralized solution enables automated pipelines, and toolchains are stood up much faster, which compresses application deployment time.

2

Improve MTTR

Problem: Development and operations teams spend too much time determining and resolving application failures.

Solution: Applications within the DevOps console provide teams with increased observability, which assists with rapid problem identification and resolution.

Business benefit: The application helps teams achieve faster MTTR through joint access to leading DevOps tools that run on premises or in the cloud.

3

Reduce silos through transparency

Problem: The SRE isn't connected to other DevOps functions, which hinders collaboration and pipeline efforts.

Solution: The DevOps console provides the SRE and DevOps teams with a shared set of tools and an aggregated view of all pipeline lifecycles.

Business benefit: Increased transparency removes silos and leads to more collaboration, efficient pipelines and resilient, automated systems.

4

Improve performance management

Problem: Application performance management is challenging for DevOps managers because agile teams are distributed and too many stand-up meetings reduce developer productivity.

Solution: Managers use the DevOps console to coordinate all pipeline and toolchain performance and health data in near real-time.

Business benefit: Performance insights provide managers with the information they need to more effectively manage the performance of their distributed teams.

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. Kyndryl has 90,000 highly skilled employees around the world serving 75 of the Fortune 100.

To learn more about how the Kyndryl Multicloud Management Platform DevOps console can provide visibility, governance and automation to your end-to-end hybrid IT environment, contact your Kyndryl representative or visit us at www.kyndryl.com

Learn more →



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Citations

1 "DevOps Practices." *IBM Market Development and Insights Report*, March 2019.

2 "Market and Competitive Assessment: DevOps 2020." *IBM Market Development and Insights Report*, June 2020.