Digital.ai Deploy

Product Brief

digital.ai™

Digital.ai Deploy

Automate and standardize complex, enterprise-scale application deployments

While we are seeing a lot of focus and resources spent on digital transformation, many enterprises are struggling to realize its full benefits because it is a long journey with many roadblocks. Below are some of the main challenges that teams face in this journey.

Across the organization, some of your teams are still using the waterfall methodology with manual delivery processes pushing the updates once or twice per year on a legacy system. Other teams are moving to CI/CD using Agile and DevOps processes to build applications using microservices and deploying to a Kubernetes cluster hosted in the cloud. The heterogeneous technology environments with different application deployment models result in fragmented tools, processes, data, and disconnected teams, making deploying applications difficult and error-prone.

In addition, to adapt quickly to constant technology disruption and remain competitive, you are expected to do more deployments to production faster and more efficiently while staying compliant with your environment and security policies. As a result, your deployments – from legacy apps running on VMs to cloud native apps running in Kubernetes environments – need to be easily scaled while continuing to be reliable and secure.

Challenges

- Deploy faster with limited visibility due to fragmented tools, processes, data, and teams

- Scale deployments while ensuring reliability and security in hybrid technology environments

- Support deployments across all levels of transformation while lowering costs

Therefore, it is critical to have the right system in place that can help increase speed and reliability of deployments and identify bottlenecks while also providing insights across the whole process so that you can deliver more software faster and more securely.
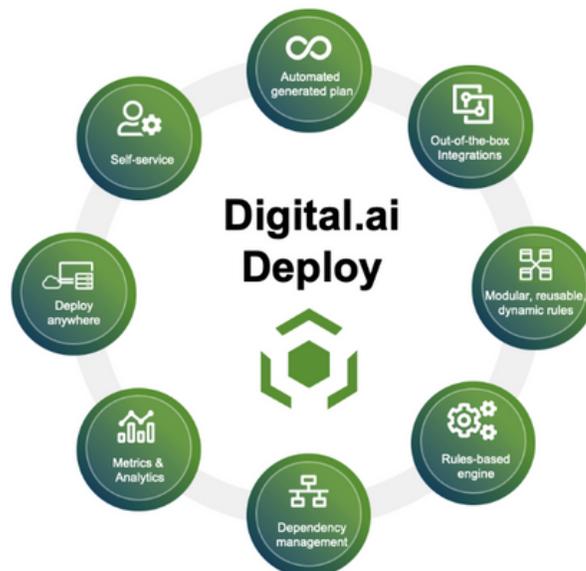
Digital.ai Deploy

Automate and standardize complex, enterprise-scale application deployments

Digital.ai Deploy is a market-leading agentless and model-based deployment automation solution that increases the speed, reliability, scalability of application deployments to any environment, from mainframes and VMs to containers and the cloud.
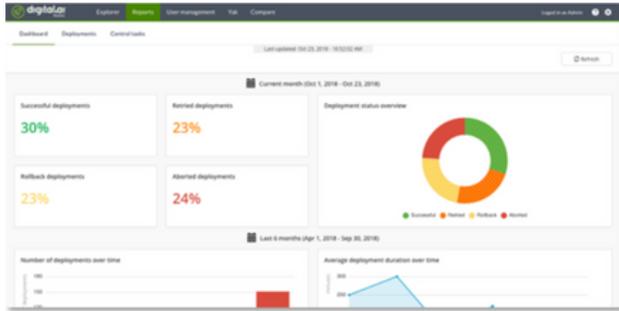
Digital.ai Deploy takes a unique approach to deployment which helps you increase speed and efficiency in your cloud journey. Our declarative rules-based engine can automatically generate optimized deployment configurations, cutting the time required to deploy an application from days to minutes. By using modular, reusable, dynamic rules to deployments, you can eliminate the need for error-prone and time-consuming handwritten runbooks and deployment scripts, while sharing and promoting best practices across teams. Digital.ai Deploy further reduces delays and failures by dependencies across the deployment process to simplify your deployment performance. You can also easily identify process bottlenecks and other areas for improvement to continuously refine your deployment process with Deploy analytics lens.

Using Digital.ai Deploy, you can increase deployment scalability across environments to execute up to thousands of simultaneous application deployments on prem, in remote data centers, or in the cloud. And don't worry if your needs change, it is easy to scale configuration changes globally across your entire deployment landscape by making a change once and having it propagate across all environments. Digital.ai Deploy also helps you secure your deployments through parameterized environment configurations, enterprise-grade secrets management and best-of-breed connection and communication protocols. With built-in automated rollback capability, you can quickly recover from failures at any point in the deployment process if problems occur to minimize system downtime and improve reliability of your deployments.

With out-of-the-box integrations, your teams can start deploying their applications right away for faster time to value. They can also onboard any application your business needs with the ability to write custom plugins specific to the business requirements. Digital.ai Deploy also provides self-service capabilities that give teams with varying needs and skill levels the ability to deploy applications in a secure and standardized way and reduce the need for dedicated deployment expertise.
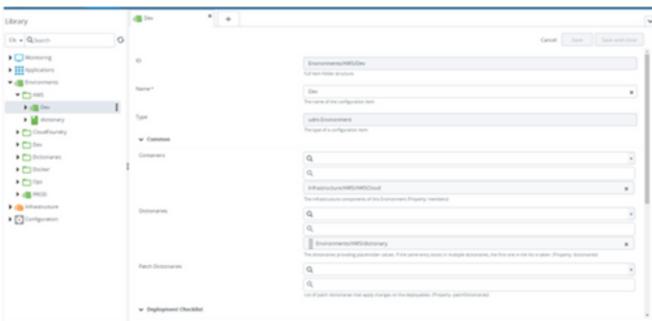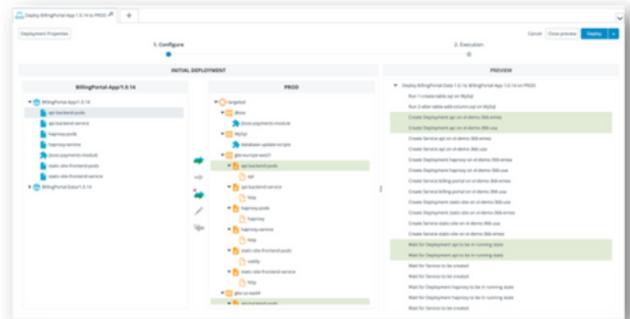
Key Benefits

Increase speed and efficiency

- Cut deployment time from days to minutes with auto-generated and optimized deployment plans
- Streamline configuration management and promote best practices for all technologies
- Improve deployment cycles by automating dependency management and enforcing dependencies into the deployment process
- Increase performance and reliability with full analytical insights of deployments

Improve scalability, security, and reliability

- Execute thousands of simultaneous deployments with remote deployment execution engines
- Secure deployments with parameterized environment configurations, secrets management, connection and communication protocols.
- Scale deployments effortlessly by auto-propagating changes to all environments
- Recover from failed changes quickly with a built-in automated rollback capability

Lower costs and accelerate innovation

- Standardize cloud deployment processes and migrate applications from legacy platforms to the cloud easily
- Automate deployments to any target technology on-prem or in the cloud
- Deploy applications right away with out-of-the-box integration and custom plugins
- Self-service capabilities for teams with varying needs and skill levels to deploy apps securely

Key Capabilities

	Automated plan generation	Generate optimized deployment configurations and plans automatically, cutting the time to deploy an application from days or hours down to minutes.
	Out-of-the-box integrations	Deploy applications on-prem or to the cloud for faster time to value with hundreds of out-of-the-box integrations.
	Modular, reusable dynamic rules	Automate your deployments with modular, reusable, dynamic rules, eliminating the need for handwritten runbooks or deployment scripts, and reducing deployment times.
	Model-based approach	Make changes once and propagate to all environments, easily scaling your deployment configuration changes across your global deployment landscape.
	Dependency management	Automate the management and enforcement of dependencies to simplify and improve deployment performance and reduce delays and failures.
	Deploy Analytics Lens	Provide end-to-end insights of deployments for improved efficiency, performance, and reliability.
	Deploy anywhere	Deploy any application to any target technology on-prem or in the cloud to easily adopt new technologies and accelerate innovation.
	Self-service	Enable teams with varying needs and skill levels to deploy apps in a secure and standardized way, decreasing deployment times and reducing the need for dedicated deployment expertise.

The Digital.ai Difference

UNIFIED DEVOPS PLATFORM
Integrate DevOps & Security capabilities to enable continuous delivery of software
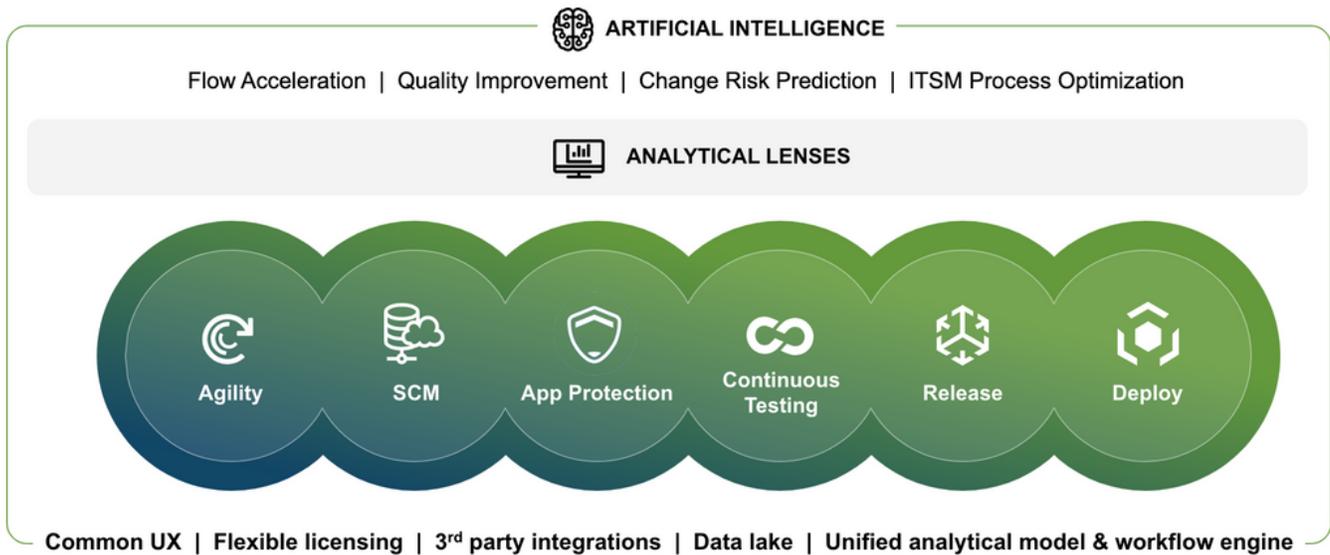
POWERED BY ARTIFICIAL INTELLIGENCE
Generate predictive insights that provide the intelligence to make smarter investments

CONNECTED TO THE ENTERPRISE
Connect to existing processes, applications and infrastructure to propel innovation that find new market opportunities

Digital.ai AI-powered DevOps Platform

About Digital.ai

Digital.ai is an industry-leading technology company dedicated to helping Global 5000 enterprises achieve digital transformation goals. The company's AI-powered DevOps platform unifies, secures, and generates predictive insights across the software lifecycle. Digital.ai empowers organizations to scale software development teams, continuously deliver software with greater quality and security while uncovering new market opportunities and enhancing business value through smarter software investments.

Additional information about Digital.ai can be found at digital.ai/ and on Twitter, LinkedIn and Facebook.

Learn more at https://digital.ai/deploy