



**Red Hat**



**Microsoft Azure**

# Operationalize AI in less time

How Red Hat and Microsoft can unlock AI value at scale

Artificial intelligence (AI) solutions can help organizations accelerate innovation and improve customer experiences, but adopting and operationalizing AI across teams and at scale can be a challenge. [Microsoft Azure Red Hat® OpenShift®](#) is a comprehensive, managed application platform that can ease AI implementation and help your organization develop AI-enabled applications with operational efficiency. Read this checklist to explore how Azure Red Hat OpenShift can help you realize the value of AI at scale.

## 1 Operationalize AI

Azure Red Hat OpenShift integrates with key AI solutions, such as [Red Hat OpenShift AI](#)—a flexible and scalable AI and machine learning (AI/ML) platform for building and deploying AI applications.

OpenShift AI on Azure Red Hat OpenShift can help your organization streamline AI adoption and operations through:

- ▶ **Consistent collaboration** across teams of data scientists, data engineers, application developers, and IT Operations.
- ▶ **Integrated machine learning operations (MLOps)** and DevOps workflows, from experimentation to production.
- ▶ **The ability to customize and fine-tune** your models with private, enterprise data to fit your business needs and deliver quality models at a fraction of the cost.
- ▶ **A stable platform** to support innovation at scale without the need to retool and disrupt your AI implementation.
- ▶ **End-to-end AI lifecycle management** with integrated access to a supported version of enterprise open source tools and technologies.

## 2 Maximize choice and flexibility

OpenShift AI on Azure Red Hat OpenShift is backed by the power of open source communities and a strong ecosystem of AI partner solutions, maximizing deployment flexibility and letting your organization choose the right AI/ML technologies for its unique use cases.

More specifically, OpenShift AI on Azure Red Hat OpenShift offers:

- ▶ **A broad choice of AI solutions.** Red Hat's robust partner ecosystem includes [certified AI solutions](#) from partners such as NVIDIA, Intel, AMD, and a variety of open source options. Choose from Red Hat's ecosystem of independent software vendors (ISVs) for AI accelerators, data ingestion and storage, data engineering, data governance, and more.
- ▶ **Flexibility to deploy across the hybrid cloud.** Whether in the cloud, at the edge, on premise, and even in air-gapped environments, you can run workloads wherever needed.

## 3 Improve efficiency

As a fully managed application platform, Azure Red Hat OpenShift reduces operational burden for developing AI-enabled applications by providing:

- ▶ **Dedicated platform management** by [site reliability engineers \(SREs\)](#) who automate the deployment and management of OpenShift clusters and Day 2 operations, so that your teams can focus on bringing AI-enabled applications to production, not managing infrastructure.
- ▶ **Faster time to value**, with integrated tools for data science and DevOps teams. Get started quickly with a comprehensive toolset built into the platform, which helps shorten the development cycle by 65%.<sup>1</sup>
- ▶ **Reduced complexity** of choosing, maintaining, and integrating technologies for model experimentation and application development with a complete platform.
- ▶ **Optimized costs**, with the flexibility to serve models in different environments, either on premise or in Azure cloud—wherever it best suits your business needs.

### Accelerate your AI journey

Learn more about [Azure Red Hat OpenShift](#) and [Red Hat OpenShift AI](#). To get started with Azure Red Hat OpenShift, explore this [learning path](#).

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<sup>1</sup> Forrester Consulting, sponsored by Red Hat. "[The Total Economic Impact™ Of Red Hat OpenShift Cloud Services](#)," Feb. 2024.



#### About Red Hat

Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with [award-winning](#) support, training, and consulting services.

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