

Top 6 reasons to choose Red Hat for generative AI

Red Hat's approach to artificial intelligence (AI) provides enterprises with a trusted, comprehensive, and consistent AI platform. Here are 6 reasons why Red Hat® AI, a portfolio of products, builds value for your organization's generative AI (gen AI) initiatives.

1 Train and deploy anywhere

Red Hat AI provides the flexibility to choose where to train, tune, deploy, and run models and gen AI applications.

- ▶ **Use a reliable core.** Red Hat AI is built on the reliability, flexibility, and scalability of Red Hat Enterprise Linux® and Red Hat OpenShift®.
- ▶ **Gain the power of hybrid cloud.** Our open hybrid cloud platform infrastructure allows organizations to accelerate innovation, build differentiated solutions, and run and operate AI models and critical workloads on any cloud, on premise, and at the edge of the network.
- ▶ **Pick your tools.** Red Hat AI is optimized to support various advanced and developer-friendly AI tooling and frameworks, tuning techniques, and different hardware accelerators across a variety of cloud and server environments.

2 Gain privacy and control

Red Hat AI lets you take advantage of innovation wherever it exists, while safeguarding your proprietary data and reducing the costs of maintaining complex AI solutions in the short and long term.

- ▶ **Adapt to your project's needs.** Evolve your AI strategy by moving operations to the cloud, on premise, or edge when required.
- ▶ **Meet regulatory requirements.** Train and deploy AI models and AI-enabled applications wherever it allows you to meet the relevant regulatory, security, and data requirements.
- ▶ **Control costs.** Be prepared to scale and balance between cloud spend, data storage, and hardware availability and utilization.

3 Accelerate AI innovation and adoption

Red Hat AI offers access to ready-to-use environments and AI capabilities for developing, training, and tuning large language models (LLMs) and predictive AI models, as well as building tailored AI-enabled applications.

- ▶ **Discover the power of open source.** A curated set of tools developed in the open source community make sure you are using the latest, advanced AI technologies.
- ▶ **Accelerate innovation.** Red Hat AI simplifies the process of choosing technologies that accelerate adoption, development, and delivery of models and AI-enabled applications for faster time to value.
- ▶ **Access an extensive partner ecosystem.** Red Hat AI allows organizations to discover, choose, and adopt the best technologies from an integrated, certified partner ecosystem. This increases freedom and flexibility when building AI platforms.

4 Simplify AI deployment at scale

Red Hat AI reduces the complexity of managing AI models and infrastructure during AI experimentation and deployment.

- ▶ **Simplify choices.** Red Hat AI abstracts the complexity of provisioning development environments, allocating hardware accelerators during training and inference, and serving models to hybrid cloud production environments.
- ▶ **Optimize resources.** Red Hat AI provides customers with GPU support, allocation, and management to meet gen AI workload demands.

5 Tailor AI models to fit business needs

Bring your own foundation models and tailor them using data scientists and developer-oriented training and tuning techniques.

- ▶ **Choose the right model for your project.** Red Hat AI provides access to smaller, targeted, optimized models that provide cutting-edge performance at considerably lower cost.
- ▶ **Fine tune to fit your needs.** You can customize these models for your business needs through developer-oriented tuning techniques, such as retrieval-augmented generation (RAG) and InstructLab model alignment tools.
- ▶ **Streamline your selection of tools.** Reduce decision gridlock with a platform that offers the tools preferred by data scientists and developers when building and delivering AI solutions.

6 Boost operational consistency

Red Hat AI provides a consistent user experience for data scientists, data engineers, application developers, and DevOps teams to effectively collaborate to deliver timely AI solutions.

- ▶ **Enhance user experience.** Red Hat AI provides data scientists with self-service access to environments equipped with tools for data exploration, model development, pipeline implementation, and model server configuration.
- ▶ **Reduce complexities.** Eliminate the dependency on IT to provision infrastructure for iterative, compute-intensive machine learning (ML) modeling tasks.
- ▶ **Reduce errors and time to market.** Red Hat AI lets organizations manage the lifecycle of both AI models and AI-enabled applications.

Discover more about Red Hat AI

Learn more about the capabilities of [Red Hat AI](#) and how you can get started.



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.

North America

1 888 REDHAT1
www.redhat.com

Europe, Middle East, and Africa

00800 7334 2835
europe@redhat.com

Asia Pacific

+65 6490 4200
apac@redhat.com

Latin America

+54 11 4329 7300
info-latam@redhat.com

[f](#) facebook.com/redhatinc
[X](#) twitter.com/RedHat
[in](#) linkedin.com/company/red-hat

Copyright © 2024 Red Hat, Inc. Red Hat, the Red Hat logo, and OpenShift are trademarks or registered trademarks of Red Hat, Inc. or its subsidiaries in the United States and other countries. Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries.