

Red Hat OpenShift AI on Dell APEX Cloud Platform for Red Hat OpenShift

Simplify AI deployment and operations

There is incredible enthusiasm around the possibilities of Artificial Intelligence (AI) with 75% of organizations now reporting an increase in budgets to pursue AI initiatives¹. While AI offers enormous potential, organizations are being challenged to find ways to deliver value with AI for their business. Translating these new capabilities into business outcomes requires a comprehensive plan from IT architecture to data management.

Red Hat® OpenShift® AI on APEX Cloud Platform for Red Hat OpenShift offers an efficient way to deploy an integrated set of common open source and third-party tools to collaborate on AI/ML model training, serving, monitoring, and lifecycle management. With the jointly engineered validated design, organizations can quickly capitalize on prominent AI use cases.

Dell APEX Cloud Platform for Red Hat OpenShift

Dell APEX Cloud Platform for Red Hat OpenShift is designed collaboratively with Red Hat to optimize and extend OpenShift® deployments on-premises with an integrated operational experience.

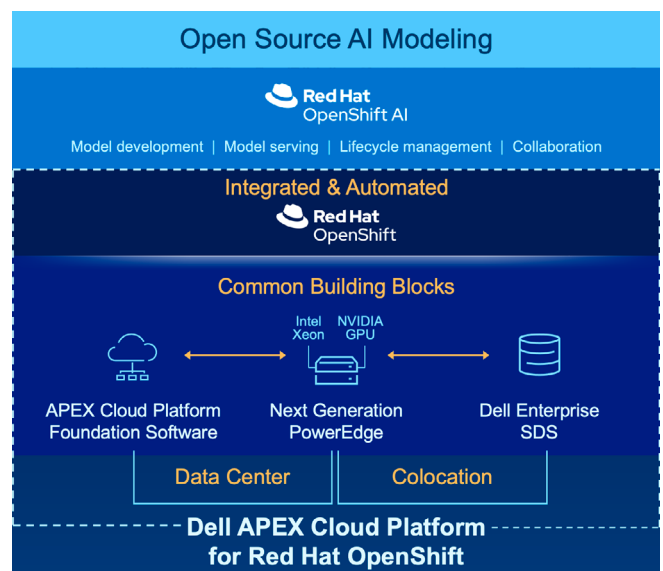
This turnkey platform provides:

- Deep integrations and intelligent automation between layers of Dell and OpenShift technology stacks, accelerating time-to-value and eliminating the complexity of management using different tools in disparate portals.
- A bare metal architecture that delivers the performance, security, and linear scalability needed to meet even the most stringent SLAs.
- Intrinsic multi-layer security, rapid availability of patches and updates, and centralized OpenShift governance to help enterprises maintain a strong security posture.

Red Hat OpenShift AI

Red Hat OpenShift AI helps you embrace hardware acceleration, including 4th generation Intel Xeon™ Scalable Processors and NVIDIA GPU supported hardware infrastructure, without the need to stand up and perform daily management of Kubernetes on your own.

The platform represents an alternative to prescriptive AI/ML suites available from individual cloud providers. Adopters gain a set of collaborative open source tools and a platform for building models without worrying about the infrastructure or lock-in from public cloud-specific tools. They can then extend that base platform with partner tools to gain increased capability. Models can be served and scaled on production environments consistently, across hybrid cloud and edge environments.





Bringing Generative AI to life

With 82% of ITDMs preferring an on-prem or hybrid model for Generative AI (GenAI)¹, it's more important than ever to have a flexible multicloud architecture that maximizes the value of your data while minimizing complexity.

The Dell Validated Design for Red Hat OpenShift AI on APEX Cloud Platform offers organizations a simple guide on how to deploy a digital assistant utilizing a Large Language Model (LLM) and the Retrieval Augmented Generation (RAG) framework. This integrated multicloud solution illustrates how you can use GenAI with your own data securely on-prem. Digital assistants are one of the most prominent use cases across industries, and implementing an LLM with RAG improves the quality of the information and keeps it current.



World Class Services to Deliver AI Value and Accelerate Container Adoption

Organizations looking to create a winning strategy for GenAI can leverage the proven methodology of advisory services to define their ideal future state and develop an actionable roadmap aligned to high value AI use cases. Infrastructure services provide best practices to deploy, support, and assist with OpenShift deployment and configuration. Consulting services offer deep expertise covering people, processes, and workloads, designed to accelerate the utilization of Red Hat OpenShift. Managed Services will help overcome the complexities of managing and maintaining a containerized platform needed by development teams, freeing up IT organizations to manage the workloads that are developed or migrated to APEX Cloud Platform for Red Hat OpenShift.

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Learn more about
**Dell APEX Cloud Platform for
Red Hat OpenShift** ›



Contact a Dell Technologies expert
1-866-438-3622

¹ Dell Technologies Generative AI Pulse Survey, August and September 2023, www.dell.com/GenAIPulse