

Cognitive Infrastructure Services powered by Red Hat

Scaling GenAI with Red Hat® OpenShift® AI
and HCLTech frameworks and solutions



Powered by neural network-based machine learning, GenAI is revolutionizing many aspects of our world. These sophisticated models can create novel text, images, videos and audio content in response to natural language prompts.

To help enterprises harness the value of massive volumes of varied, distributed data sets, HCLTech has partnered with Red Hat to deliver enterprise-class cognitive infra services and solutions.



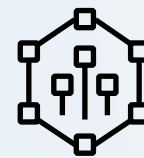
AI advisory services:

- Collaborative workshop with Red Hat aimed at comprehending your specific use case and recommending the most effective approach and methodology
- Evaluate the current infrastructure capabilities and design a roadmap for transitioning toward a Cognitive IT infrastructure
- Cognitive infra deployment approaches
- Buy vs. build decisions



Platform and infrastructure build:

- Building new Cognitive IT infrastructure or expanding the existing landscape based on specific use cases and requirements
- Building and deploying AI platform of choice, enabling you to embrace GenAI at scale



Operate and managed services:

- Onsite/offsite support for Cognitive Infra lifecycle management
- GenAI platform management
- Availability and performance monitoring
- MLOps observability
- Unified IT Infrastructure monitoring and observability

Market view

\$3T-\$4T Forecasted annual economic benefit from GenAI on the global economy

Source: McKinsey

80% Of enterprises will incorporate GenAI into their business processes by 2026

Source: Gartner

80% Productivity gains expected across classes of knowledge workers and creative tasks

Source: Gartner

70% Of enterprises will identify sustainable and ethical use of AI among their top concerns by 2025

Source: Gartner

Future-focused Cognitive Infra systems from HCLTech and Red Hat


In partnership with Red Hat, HCLTech is helping enterprises reach their goal of becoming AI-native by leveraging Red Hat OpenShift AI, a flexible, scalable and hybrid MLOps platform with tools to build, deploy and manage AI-enabled applications. Built using open source technologies, Red Hat OpenShift AI provides trusted, operationally consistent capabilities for teams to experiment with serving and monitoring models to deliver innovative apps. It combines the proven capabilities of Red Hat OpenShift AI and Red Hat OpenShift in a single enterprise-ready AI application platform that brings all teams together. Data scientists, engineers and app developers can collaborate in a single destination that promotes consistency, security and scalability.

HCLTech has cultivated expertise constructing, deploying and managing these Cognitive Infrastructure solutions. We leverage this expertise to empower enterprise AI teams to navigate the intricacies and expenses linked to ML model development.


TRiBE, our proprietary security framework, mitigates security challenges that may occur while adopting GenAI across every layer of Cognitive Infrastructure, complementing the principles of responsible AI – developing, assessing and deploying AI systems in a safe, trustworthy and ethical way.





With Red Hat OpenShift AI solutions backed by HCLTech's AI framework, solutions and service delivery model, enterprises can expect:


 End-to-end GenAI services, from discovery to deployment and beyond


 To bring AI-enabled apps to production faster

 Upstream open source and commercial technology partner tools

 An out-of-the-box offering for enterprises of all sizes

 A system tuned for edge or data center deployments

 Ultra-scalable architecture for greater large language model (LLM) performance

 Model governance capability for transparency of training data and model lineage, access and change history

Key solution benefits

- Ideal ML/AI solution for Red Hat OpenShift and hybrid cloud customers
- Self-service for data scientists that's fully trusted by enterprise IT
- Choice of tooling—no restrictive toolchain
- Reduces friction from experimentation to deployment
- Data access and consistency across cloud, on-premises and edge environments
- Leverage hybrid cloud to prevent cloud lock-in concerns
- Provides open source credibility and innovation
- Easy access to a full AI-focused portfolio that is updated and supported
- Scale to meet the workload demands of foundation models, training time, model size, acceleration and scalability
- One platform for all teams: ITOps, Data Science, MLOps and App developers
- Provides teams with on-demand access to resources to let them focus on exploring data and building apps



Better together

HCLTech and Red Hat OpenShift AI for the next era of AI



Red Hat's platforms are integral to HCLTech's hybrid, multicloud strategy. This collaboration underscores our commitment to providing flexible, scalable, and security-focused solutions to organizations. As a Premier Business Partner, our longstanding relationship with Red Hat has helped many joint clients achieve successful digital transformation journeys.

We help to standardize across environments, develop cloud-native applications and integrate, automate, secure and manage complex environments with award-winning support, training and consulting services.

HCLTech and Red Hat's OpenShift AI work together to make IT environments more efficient and secure from edge to cloud—ensuring fast responses to a rapidly changing landscape without sacrificing privacy, performance or control. Whatever the size of your organization, HCLTech and Red Hat's OpenShift AI can help you transform from traditional technology platforms to a supercomputing environment designed for the next era of AI and beyond.

Why HCLTech



HCLTech is positioned as Leader in the 2023 Gartner® Magic Quadrant™ for Data Center Outsourcing and Hybrid Infrastructure Managed Services, Worldwide



HCLTech is rated as a Leader in ISG Provider Lens™ - Analytics Services, US, 2023



HCLTech is recognized with a Customers' Choice distinction in the 2023 Gartner® Voice of the Customer report for Data Center Outsourcing and Hybrid Infrastructure Managed Services, Worldwide



100+ GenAI use cases



Faster time-to-market through cloud native GenAI labs, IPs and frameworks



Pool of AI engineers, data scientists and Infra Platform SMEs

HCLTech | Supercharging Progress™

HCLTech is a global technology company, home to more than 219,000 people across 60 countries, delivering industry-leading capabilities centered around digital, engineering, cloud and AI, powered by a broad portfolio of technology services and products. We work with clients across all major verticals, providing industry solutions for Financial Services, Manufacturing, Life Sciences and Healthcare, Technology and Services, Telecom and Media, Retail and CPG, and Public Services. Consolidated revenues as of 12 months ending June 2024 totaled \$13.4 billion. To learn how we can supercharge progress for you, visit hcltech.com

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