HCLTech | Supercharging Progress™
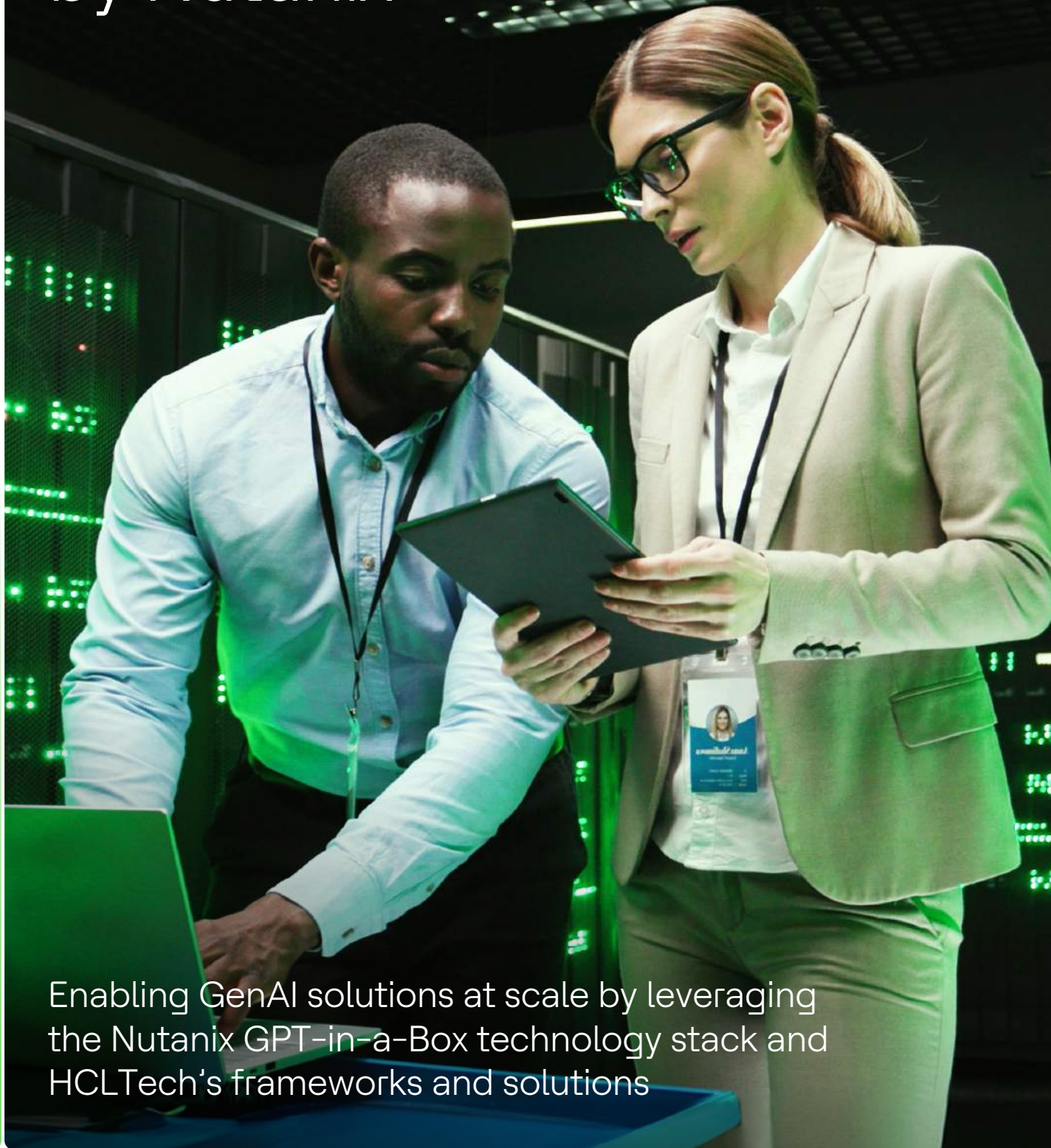
Cognitive Infrastructure Services powered by Nutanix

Enabling GenAI solutions at scale by leveraging the Nutanix GPT-in-a-Box technology stack and HCLTech's frameworks and solutions

GenAI has emerged as a transformative force across various business domains. HCLTech recognizes its potential to enhance customer experiences, boost productivity, personalize content and more.

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

HCLTech's Cognitive Infrastructure Services offering spans industries and business functions, prioritizing innovation while adhering to a responsible and ethical AI framework. Its key principles include privacy, intellectual property rights, fairness and factual accuracy.
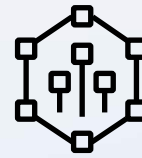
AI advisory services:

- Collaborative workshop with Nutanix 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 to 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 the AI platform of choice, enabling you to embrace GenAI at scale

Operate and managed services:

- Onsite/offsite support for Cognitive Infra lifecycle is one word management

- GenAI platform management

- Availability and performance monitoring

- MLOPS observability

- Unified IT Infrastructure and cloud monitoring and observability

Market view

$3T – $4T
Forecasted annual benefit from GenAI on the global economy

80%
Share of enterprises that will have incorporated GenAI into their business processes by 2026

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

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

Future-focused Cognitive Infra systems from HCLTech and Nutanix

HCLTech Cognitive Infrastructure Services, in collaboration with **Nutanix**, empower organizations to embrace generative AI. Leveraging the **Nutanix GPT-in-a-Box™ solution**, HCLTech streamlines infrastructure for AI deployment, ensuring data sovereignty and security. From natural language processing to multimedia analysis, this turnkey solution accelerates innovation while maintaining control over critical data.

HCLTech has cultivated expertise in constructing, deploying and managing Cognitive Infrastructure Solutions, empowering enterprise AI teams to navigate the intricacies and expenses linked to ML model development.

Key features

1 Full-stack AI platform

- Solution provides a comprehensive, software-defined infrastructure stack. It encompasses both hardware and software components, simplifying deployment and scaling.

- Organizations can jumpstart their AI initiatives, from edge to core, using this turnkey solution.

2 Data sovereignty and privacy

- Ensures that AI content remains exclusive to your organization. This addresses security, privacy and compliance requirements.

- Maintain control over sensitive data while leveraging the power of GPTs and large language models (LLMs)
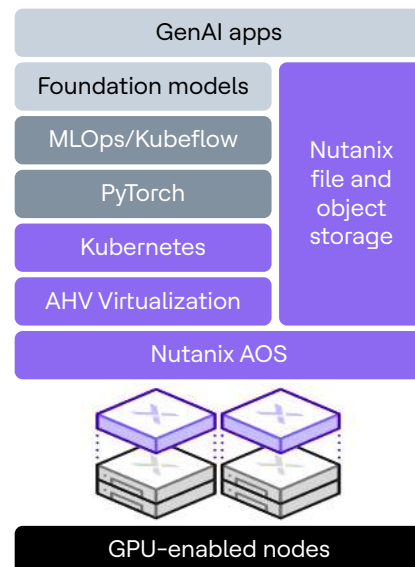
3 Efficient model building and fine-tuning

- Streamline your infrastructure for AI deployment - HCLTech and Nutanix equip you with the necessary tools to prepare your environment

- Leverage existing teams and skills to efficiently build, fine-tune and run models

- Opinionated AI stack

- GPU-enabled Nutranix Cloud Platform with NCI, AHV, Kubernetes and files or objects storage

- License: NCI ULT and NUS Pro for 10TB objects, files

- PyTorch (AI framework) and Kubeflow (MLOps)

- BYO GPT: Llama2, Falcon, MPT

- Services: Planning workshop, stack design workshop, stack deployment

GenAI apps	
Foundation models	Nutanix file and object storage
MLOps/Kubeflow	
PyTorch	
Kubernetes	
AHV Virtualization	
Nutanix AOS	

GPU-enabled nodes

Key solution benefits

- Implementing responsible AI for enterprises across full lifecycle

- Accelerates time-to-value for AI model developers

- Quickens time-to-market by significantly increasing productivity

- Reduces infrastructure complexity and cost of model development and training at scale

- Reduces the operational difficulty of deploying and managing an AI infrastructure by utilizing HCLTech accelerators and IP

Better together
HCLTech and Nutanix for the next era of AI

- HCLTech and Nutanix have been partners since 2015. Their collaboration aims to provide customers with a software-defined virtualized environment that can be rapidly deployed, upgraded and scaled.

- With a large number of certified Nutanix Platform Professionals (NPP) and Human-computer interaction (HCI)specialists, HCLTech and Nutanix combine our strengths to deliver high value to customers worldwide.

- Our joint efforts span sales, presales and engineering, with investments in developing best-in-class solutions for next-generation data centers, software-defined infrastructure, edge solutions and hybrid cloud.

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

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HCLTech is a global technology company, home to more than 227,000 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 March 2024 totaled $13.3 billion. To learn how we can supercharge progress for you, visit hcltech.com.