

Turnkey solutions get your AI initiatives up and running in record time

Can your AI implementation be ready to go off the shelf? Here's a look at how it works — step by step, day by day.

For the modern enterprise, generative AI is rapidly shifting from a nice-to-have to a must-have. More than 90% of companies plan to increase their investments in AI over the next three years.¹ Gartner predicts that enterprises will spend nearly \$650 billion implementing GenAI in 2025, with 80% of those dollars going toward hardware.²

The pressure to gain first-mover advantage is intense. Yet, implementing this transformative technology across the enterprise can be daunting. Nearly 90% of AI experiments and proofs of concept (POCs) never make it into production.³ Seven out of ten organizations need a year or more to resolve challenges around adoption and ROI.⁴ And more than a quarter of companies say difficulties implementing AI and insufficient internal technical talent are two of the thorniest challenges they face. One out of five lacks a solid adoption strategy or sufficient computing infrastructure.⁵

To help enterprises overcome the barriers to full AI adoption, Hewlett Packard Enterprise partnered with NVIDIA to develop a turnkey solution that organizations can begin implementing almost immediately and without a time-consuming testing and validation process, says Michael Corrado, a senior worldwide manager for AI and private cloud at Hewlett Packard Enterprise. HPE Private Cloud AI, part of the NVIDIA AI Computing by HPE initiative, is a private cloud solution that combines hardware, software, and a complete implementation framework, allowing AI-ready organizations to get up and running in a matter of days.

“Enterprises today are struggling to successfully transition from AI pilots to production,” says Corrado. “The bundle of infrastructure and services from HPE and NVIDIA can help prove the business value of POCs and dramatically accelerate AI adoption.”

In addition to saving time, pre-built solutions can save organizations money: The total cost of ownership for a turnkey AI system is up to 50% lower than a DIY approach.⁶

A fully integrated solution, straight out of the box

With its rich ecosystem of proprietary and open-source tools, HPE Private Cloud AI enables IT teams to rapidly deploy AI workloads while maintaining the security of enterprise data in a private cloud environment.

Built on HPE ProLiant servers and powered by NVIDIA GPUs, this turnkey solution comes in a range of configurations tuned to an enterprise’s most pressing needs, whether that’s simple inferencing or more complex retrieval augmented generation operations. NVIDIA® AI Enterprise Software and HPE AI Essentials Software also provide an integrated, end-to-end tooling platform, allowing developers to build and deploy AI applications up to 90% faster.⁷

But what sets this turnkey solution apart is HPE’s step-by-step implementation framework, which encompasses everything from planning and delivery to deployment and ongoing maintenance.

The AI journey, day by day

Depending on your state of AI maturity, you may be able to begin implementing AI projects in just days after deciding on the right use cases and configurations. But the actual process begins well before the first HPE ProLiant servers show up at your doorstep. From design through implementation and ongoing management, HPE Services experts are ready to guide you through your entire AI journey.

¹ “[Superagency in the workplace: Empowering people to unlock AI’s full potential](#),” McKinsey & Co., Jan. 28, 2025.

² “[AI Capable Consumer Devices to Drive GenAI Spending](#),” Gartner, March 2025.

³ “[88% of AI pilots fail to reach production — but that’s not all on IT](#),” CIO.com, March 25, 2025.

⁴ “[Now decides next: Generating a new future](#),” Deloitte 2024 generative AI report, January 2025.

⁵ Ibid.

⁶ “[The Economic Benefits of HPE Private Cloud AI with NVIDIA AI Computing by HPE](#),” Enterprise Strategy Group, March 2025.

⁷ “[HPE Private Cloud AI with NVIDIA AI Computing by HPE: Essential to Accelerating GenAI Industrial Transformation](#),” The Futurum Group, January 2025.



Pre-launch: Advise and consult

Before you dive headfirst into AI, you need to do some fundamental groundwork. In what areas of your business will AI have the greatest impact? What results do you hope to achieve? How do you intend to measure your ROI?

In this early stage, HPE experts will help you assess your technical readiness, identify skill gaps, and build out use cases specific to your business — before you begin investing in infrastructure.

Day 0: Design and plan

Once you have a general idea of what this technology can do for your business, you need to determine if you have sufficient data to achieve your AI ambitions and whether it's AI-ready.

These data challenges are where many projects hit a wall: More than six out of ten organizations either don't have or don't know whether they have the right data management practices to deploy AI.⁸ HPE advisors help you build a scalable and secure data foundation for AI and put appropriate guardrails in place.

They can also help you select a hardware configuration that meets your current needs but can scale as your ambitions grow, help you measure TCO, and ensure your AI carbon footprint meets your organization's sustainability goals.

"Because HPE and NVIDIA have already validated the hardware, you need fewer specialized skills for planning, design, integration, or budgeting," says Corrado. "That means our turnkey private cloud AI can be deployed up to five times faster than a solution where you have to do all of these things yourself."

⁸ ["Lack of AI-Ready Data Puts AI Projects at Risk,"](#) Gartner, Feb. 26, 2025.

Day 1: Implement and integrate

Once your fully built HPE Private Cloud AI solution arrives in your data center or chosen colocation facility, HPE integrates and deploys the infrastructure in under eight hours. With an end-to-end AI software platform, you can rapidly deploy production AI workloads in seconds. HPE experts will assist in implementing comprehensive, multilayered controls to protect your company's sensitive data, intellectual property, and custom AI models. And they'll help eliminate data silos using a global namespace that provides seamless access to a range of data types, no matter where the data physically resides.

Careful guidance from HPE will also help you master basic use cases and put you on the path toward more advanced, mission-critical operations.

Day 2: Run and optimize

Help from HPE doesn't end after you've stood up your AI practice. Our end-to-end platform features built-in troubleshooting, operations management, and optimization features. And you'll have continuing access to a dedicated ops team that can aid you in troubleshooting AI workloads across your deployment.

Maximum flexibility with minimal effort

Every enterprise is at a different level of maturity in their AI journey, and some stages will take longer to complete than others. But once your AI practice is fully underway, the flexibility offered by HPE Private Cloud AI is unmatched, says Corrado.

"If you want to make changes to your AI deployment — perhaps you want to entirely switch the language model you're using — you don't have to shut the whole thing down and rebuild it from scratch," he says. "Everything can be changed on the fly with just a handful of clicks. Our goal is to make every step of the AI journey from day zero to day 365 more efficient, ensuring that everything happens more quickly, more cleanly, and with fewer people involved."

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