



Boost productivity with AI

A private cloud for AI for public sector



Hewlett Packard
Enterprise

Governments, cities, educational entities, and military and defense agencies provide services that are essential for advancing the well-being of society. It is no small feat, especially given budget constraints, staff shortages, talent gaps, public safety concerns, and cybersecurity worries in a highly digitized world. Compounding the problem is the need for public and private organizations to collaborate to deliver holistically connected services, which means not only sharing ideas but also sharing and utilizing data to tackle challenges.

The following are some of the key problems faced by the industry that AI can help solve for:

- **Citizen experiences:** Replace tedious, manual, or long processes with fast, digital, automated, and personalized services
- **Staff productivity:** Maximize staff time and resources with automation so that they can respond to and serve citizens, students, or other agencies
- **Response to unexpected disruptions:** Respond immediately to health crises, safety incidents, extreme weather, and geopolitical events
- **Responsible sustainability:** Accelerate the push towards environmental, social, and governance (ESG) that is beneficial both environmentally and financially
- **Proactive public safety and security:** Support police, firefighters, defense, military, border control, and others with resources to make critical decisions, operate more efficiently, and respond
- **Data security and sovereignty:** Prevent data leaks and ransomware that can be financially costly to the organization and damaging to individuals' personal information

Solving key challenges with AI

As expectations for service delivery continue to rise, existing operating models and legacy IT systems are no longer serving the modern needs of the public sector. The use of data and advanced technologies such as AI can increase efficiency and improve services. It's time for an AI evolution.

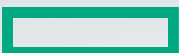
Leveraging AI to automate mundane or manual tasks that currently take up considerable resources or time, or that can deliver better services and operations, has limitless possibilities.

- **Intelligent customer service and experiences**

- Conversational virtual assistants or chatbots to enhance customer service delivery or facilitate public inquiries
- Language translation and interpretation to support multilingual communication and document translation
- Real-time communications for traffic flow, wait times, and navigation

- **Smart and secure insights and automation**

- Computer vision, weather forecasting, facial sentiment analysis, and disaster management to improve public safety
- Dynamic transportation and autonomous vehicles for road safety or product delivery
- Real-time data analysis, detection, and response to cyber threats



- **Content creation**

- Content consolidation into a single easy-to-understand asset
- Manuals, flyers, publications, reports, press releases, public service announcements, or other content from images and text
- Content accuracy and trustworthiness validation using real-time broad sources

- **Innovation and scientific discovery**

- Develop simulations to support healthy environments (water, air, gas, and more), higher education research, or other geographical or political purposes
- Model results from a variety of policy options
- Mine literature to discover or improve best practices or innovations

To fully realize the benefits of AI, you must look at the entire process—from collecting the wealth of data generated by connections between people and things, extracting it, and then using it to address citizens’ needs and improve decision-making. Most organizations are at the beginning of their AI journey, and may be struggling with where to start, how to manage risks and control costs while driving outcomes. Once started, AI workflows can be complex, reducing the productivity of AI and IT ops teams and limiting the flow of AI pilots from development to production.

Public sector organizations can greatly benefit from a solution that gives them the ability to experiment and grow in a low-risk way while having assurance of enterprise-grade control to protect sensitive data and models.

A private cloud for AI for public sector

HPE Private Cloud AI is the engine behind implementing these new value streams in your public sector organization.

HPE Private Cloud AI, part of NVIDIA® AI Computing by HPE, is a turnkey private cloud solution for inference, retrieval augmented generation (RAG), and fine-tuning use cases. Codeveloped with NVIDIA, it delivers a cloud-based experience to simplify AI complexity, improve productivity, and speed time to value—while keeping data private, secure, and under complete control of enterprise IT. The solution can be deployed on-premises in colocations, edge locations, or data centers. And unlike full-stack AI solutions based on reference architectures that can take months to plan, build, and deploy with professional services, HPE Private Cloud AI is ready to use out of the box—providing productivity to AI and IT teams in minutes. All managed through HPE GreenLake cloud, it enables customers to expand and add AI capabilities as demand within the enterprise grows.



Key benefits of HPE Private Cloud AI

- **Instant AI productivity:** Get self-serve access to essential AI tools
- **Unified access to all your data:** Remove data siloes with one global namespace for seamless access to different data types, anywhere
- **Enterprise-grade confidence and control:** Protect data and models, and maintain performance and reliability of AI infrastructure, with multilayered controls
- **Cloud experience that keeps your data and IP private:** Deployed on-premises, designed for hybrid; flexible and modular with cloud technologies, economics, and scalability

Up and running in
three clicks

2x
increase in AI development
productivity¹

4x
faster time to
inference²

Flexibility
to consume and manage
as demand grows

¹ 90% developer productivity increase is based on 2023 UA data: Reduction in total time to build, train, evaluate and operationalize ML model using bespoke tools in comparison with fully integrated workflows and self-service access to data and ML frameworks.

² The 4x faster time to inference is in comparison with the typical DIY manual steps to operationalize large language model (LLM) versus automation in AI essentials (for example, virtual assistant chatbot solution accelerator with RAG).



Accelerate AI success with Hewlett Packard Enterprise and NVIDIA

AI holds immense potential for driving transformation. However, the vast and fragmented ecosystem of AI software and hardware choices creates complexity and can jeopardize a company's most valuable asset—its proprietary data.

HPE Private Cloud AI helps to solve these challenges—simplifying complexity and improving productivity while managing enterprise risk from AI.

Wherever you are on your AI journey, HPE Private Cloud AI can help you accelerate success. Start fast, remain open, and consume flexibly to meet future AI opportunities.

Learn more at

HPE.com/us/en/Private-Cloud-AI.html



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