

# VCF Private AI Services

## Unlock AI and unleash productivity, with lower TCO

### At a glance

VCF Private AI Services, built with an architectural approach for AI, enable

- Privacy and control of corporate data
- Choice of open-source and commercial AI solutions
- Quick time-to-value
- Integrated security and management

AI is no longer the next best thing—it has now achieved mainstream status and is set to transform enterprises across industries in much the same way that the PC, the internet, and the smartphone did. From creating content to generating code to automating IT operations, the applications of AI are virtually endless, and its potential is enormous — AI solutions and services will generate global impact of \$22.3 Trillion by 2030<sup>1</sup>.

However, while this technology can deliver spectacular productivity gains across every aspect of an organization, several challenges must be confronted before bringing generative AI into the enterprise.

### Challenges presented by generative AI

Generative AI presents several challenges that are preventing organizations from forging forward. Let's discuss what these are.

- **Privacy** - Above all else, privacy is the core issue that enterprises need to address. Organizations want to leverage their private, proprietary data and intellectual property (IP) with large language models (LLM) to get compelling solutions, but doing this with public models and public APIs introduces the risk of IP or data leakage. Additionally, organizations need to protect and control access to the AI models themselves.
- **Choice** - Enterprises want to choose an LLM, such as Llama, Falcon, Mistral and others, that fits their needs. They also want to choose partners without getting locked into specific vendor contracts. Access to a wide variety of options is essential.
- **Cost** - Building AI systems can be expensive because of the constant changes in technology. New vendors enter the market regularly, and new software is continuously launched and deployed. Vendor lock-in may exacerbate this cost spiral.
- **Performance** - Since LLMs and AI models are trained using massive data sets, they can place significant demands on an organization's infrastructure, leading to cost and potential performance issues.
- **Compliance** - Like any enterprise solution, generative AI must meet an organization's specific compliance requirements, including access control and audit readiness.

“Prolific cybercrime gangs have begun using AI to help them generate malware, signaling a fundamental shift of dynamics in the threat environment.”

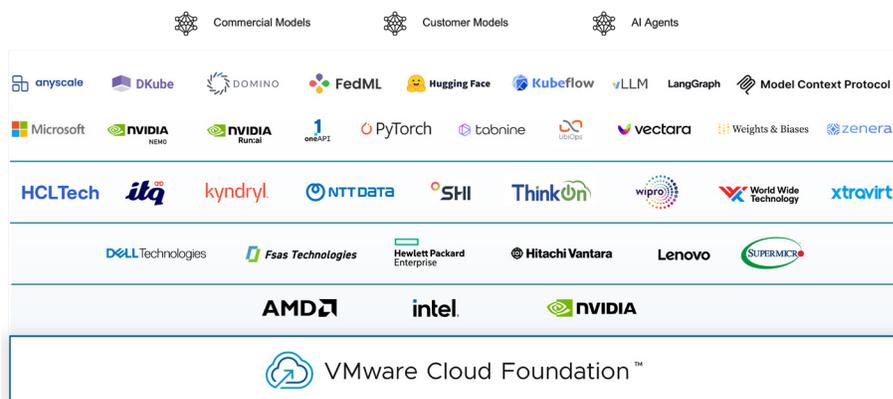
Source: [CIO Dive, 2026](#)

## Overcome these challenges with VCF Private AI Services

VMware is on a mission to democratize AI and ignite business innovation for all enterprises. VMware has created VCF Private AI Services, built with an architectural approach, enable enterprises to unlock the business gains of AI while meeting privacy and compliance requirements. An in-built part of the industry leading multi-cloud platform, [VMware Cloud Foundation™](#), VCF Private AI Services enable a privacy-first approach to AI. VCF Private AI Services provide powerful capabilities like Model Context Protocol (MCP), vector databases, deep learning VMs, Data indexing and retrieval service, AI Agent Builder service and more to enable privacy and security, simplify infrastructure management and streamline model deployment.

## Harness the VCF Private AI Services Partner Ecosystem

The VCF Private AI Services Partner Ecosystem is comprised of a variety of industry-leading providers to give you maximum flexibility and choice. It includes the most popular AI providers such as NVIDIA, Intel, AMD, Domino Data Labs, Hugging Face, and more, enabling you to deploy with confidence. The major server OEMs provide certified server architecture to support VCF Private AI Services. Major GSIs (global system integrators) help customers along their AI journey.



**Figure 1:** VMware partners with several industry-leading providers to create the VCF Private AI Services Partner Ecosystem.

## Benefits of VCF Private AI Services

- Enable Privacy & Security of AI Models
- Simplify Infrastructure Management
- Streamline Model Deployment

## Get the most out of AI in the enterprise

VCF Private AI Services gives you the capabilities to create private, secure, customized LLMs to run inferencing and drive enhanced decision-making against your organization's private data sets. The unique architectural approach and open ecosystem of VCF Private AI Services combine to deliver a variety of benefits:

- **Get the flexibility of choice** - With the option of deploying a wide range of AI software tightly integrated with VMware Cloud Foundation™, it's easy to find the best fit for your application and use case.
- **Deploy with confidence** - By partnering with leading tech providers and building on the intrinsic security of VMware Cloud Foundation, VCF Private AI Services enable you to run your customized LLM while mitigating risk and protecting against data/IP leakage and poor model accuracy.
- **Achieve superior performance** - Get exceptional performance for your AI models with VCF Private AI Services. Our solutions support the major GPU technologies and pooling of these GPUs to extract superior performance for AI workloads.
- **Optimize costs and compliance** - VCF Private AI Services empower enterprises to achieve the most cost-effective solutions for their generative AI models. Leveraging our extensive expertise and strong partnerships with industry leaders in this domain, you can rest assured that your enterprise will receive optimal value and be compliant in the strict regulatory environments in which businesses operate across the globe today.
- **Augment productivity** - VCF Private AI Services can help organizations with significant productivity improvements. Build private chatbots to sift through data and produce intelligent outputs. Automate repetitive manual tasks and processes. With VCF Private AI Services, your organization can move faster, operate smarter, and stay ahead of the competition.

## Unlock the power of AI for your organization

With VCF Private AI Services, you can elevate productivity across every department of your organization while maintaining the privacy and control of your corporate data and IP. To learn more about VCF Private AI Services, please visit [vmware.com/aiml](https://vmware.com/aiml).

Ready to go on your AI/ML journey? [Complete this form](#) to contact us!