FlexPod®

Simplify AI Infrastructure and Operations with FlexPod

Overview

AI is everywhere today and is enabling organizations to learn from data, make better, faster decisions, and introduce innovative new capabilities in their offerings. Across all industries, AI is transforming traditional practices and making way for more efficient processes. However, AI workloads are imposing fresh demands on networks, storage, and computing systems. Networks are tasked with managing substantial data flows essential for model training and tuning, while storage must seamlessly scale and integrate closely with compute resources. Furthermore, there is a growing demand for efficient acceleration of computing as AI continues to permeate across various applications.

FlexPod, a secure, smart, sustainable, hybrid-ready platform engineered to transform infrastructure and operations, can seamlessly integrate AI workloads into a customer's existing framework, preserving simplicity, scalability, security, and control.

Together with our technology partner ecosystem, a new portfolio of Cisco Validated Designs for AI with FlexPod will help IT teams deploy accelerated compute and high performance storage on proven solutions:

- NVIDIA AI Enterprise platform on FlexPod for virtualized deployments.
- SUSE Rancher with NVIDIA on FlexPod for AI workloads.
- Scaling FlexPod for GPU-intensive applications.

Cisco Validated Designs for Simplified AI Infrastructure

| NVIDIA | Red Hat | SUSE | Intel | AMD |
| NVIDIA AI Enterprise | Red Hat OpenShift AI | Rancher BY SUSE | | |

Modernize your infrastructure for AI

AI is driving big changes in data center technology and FlexPod is helping customers simplify by integrating AI infrastructure into mainstream IT operations. FlexPod unites innovative compute compute, storage, networking, and management, helping enterprise IT teams utilize a trusted, proven platform to simplify, automate and secure their AI deployments.

- **Simplify:** Mainstream your AI workloads with a proven, adaptable platform that is supported by a portfolio of validated designs for both traditional enterprise and modern applications.
- **Automate:** Save time and reduce errors with deployment-ready playbooks for FlexPod's AI infrastructure.

- **Secure:** The zero-trust architecture, coupled with security at scale through Software-as-a-Service (SaaS) operations, provides comprehensive security measures. These measures aim to thwart unauthorized access, authenticate users, and address potential risks. End-to-end FlexPod security provides threat visibility and enables fast recovery from potential data breaches through immutable snapshots and service profiles, supported by automated threat analysis and response for intelligent protection.

Unlike other solutions, FlexPod combines Cisco compute and networking with NetApp storage to deliver a high-performance, scalable, and secure platform. So you can confidently and quickly deploy AI infrastructure and models while avoiding silos of infrastructure and operations.

Benefits of FlexPod AI

- Simplify and operationalize AI infrastructure alongside existing workloads with a proven, adaptable architecture.

- Save time and reduce risk with validated designs, automation playbooks, and one-call support.

- Seamlessly integrate NVIDIA AI Enterprise into VMware and Red Hat OpenShift for both Kubernetes and virtual machines.

- Safeguard AI infrastructure with a FlexPod cybersecure architecture that protects apps and data from unauthorized access, detects threats early to keep data safe, and recovers data quickly to eliminate downtime.

Learn more

For more information about FlexPod, go to https://www.cisco.com/go/flexpod.com

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