FlexPod®

Upgrade your FlexPod—The best move for sustainable and efficient operations
Quick Reference Guide

Is your enterprise still operating on UCS M3, M4, or M5/FAS-based FlexPods? If so, we have some incredible news for you. With tremendous **advancements in performance, efficiency, and sustainability,** the latest generation of FlexPod® offers numerous irresistible compute and storage benefits that can change your bottom line.

Stats[1]
Up to
45%
lower server
costs and up to five times lower storage costs compared to M3/FAS-based FlexPods

Upgrade your M3/M4 series, and you could realize:
4 times
consolidation savings

60%
reduced time to deploy VMs

56%
reduction in energy costs

Upgrade your 10k FAS disk to AFF A-series or C-series storage and realize:
1.5PB
of effective storage in a 2U chassis

95%
smaller footprint

85%
reduction in power/cooling

FlexPod ASA storage, standard 4:1 Storage Efficiency Guarantee![2] available for customers using SAN protocols.

NetApp will warrant AFF or ASA storage data recovery in the event of a ransomware attack.[3]

Six reasons to refresh your FlexPod

1. Modernization
The new FlexPod tests the latest versions of workloads, technologies, and industry innovations.
- **Robust security**, including end-to-end encryption, multitenancy, and comprehensive access control, enhances your organization's data security and integrity.
- **Cost-efficient design** significantly reduces power consumption, maximizing data center space utilization and providing significant savings in operating expenses.
- **Eco-friendly approach** to data management reduces your enterprise's environmental impact to align with green initiatives.

2. Performance
This latest generation FlexPod offers up to 10 times storage and five times server consolidation/performance compared to M3/FAS-based FlexPods.
- **Proven scalability** for seamless growth and expansion supports increasing data and application demands without compromising performance.

- Efficiently **manage diverse workloads**, delivering unmatched performance in both virtualized and non-virtualized environments.

3. Security
FlexPod embraces a Zero Trust security philosophy with threat visibility across the entire network, compute, and storage.
- Robust **end-to-end encryption** safeguards your data at every point in its journey—at rest, in transit, and in use.
- FlexPod supports **secure multitenancy**, enabling different users or organizations to share the same physical infrastructure without compromising on security.
- **Multifactor authentication and multi-admin verification** access control features ensure that only authorized personnel can access sensitive data, enhancing data security and mitigating the risk of breaches.
- Built-in security features help provide **protection against a wide range of cyber threats**, including malware, ransomware, and DDoS attacks.
- **Advanced backup and recovery** options serve as effective data loss–prevention measures, ensuring business continuity even in the face of unexpected disruptions.

4. Cloud connectivity
FlexPod is the only integrated infrastructure that simplifies edge to core to cloud and integrates natively with all major public clouds.
- **Integration with various cloud environments** ensures a seamless transition between on-premises and cloud storage.
- **Efficient data management** and dynamic workload distribution across multiple cloud platforms ensures optimal resource utilization.
- **Cloud-enabled backup and disaster recovery** provide an extra layer of data protection and ensure business continuity.
- **Secure cloud connectivity** ensures data security during transit using end-to-end encryption and advanced security protocols.

5. Cost savings
Up to 33% lower server costs and up to five times lower storage costs compared to M3/FAS-based FlexPods
- Advanced efficient architecture significantly **reduces TCO** by minimizing the need for frequent hardware replacement and system upgrades.
- Energy efficiency and enhanced system performance result in reduced electricity costs and operational expenses.

- Superior engineering results in less frequent system breakdowns and **lower maintenance costs**.
- High **scalability** means FlexPod can grow **with** your company, eliminating the heavy costs associated with system replacements or major upgrades when your business expands.

6. Sustainability
Reduce waste, eliminate forklift upgrades, and seamlessly transition to future technologies with a modular system.
- The **longevity** of FlexPod systems minimizes equipment turnover, leading to less waste.
- **Intelligent resource management** ensures optimal use of system resources, reducing energy consumption and promoting sustainable practices.
- FlexPod is committed to **responsible sourcing** and manufacturing, contributing to overall sustainability efforts.
- The **compact design** of FlexPod maximizes space utilization in data centers, promoting efficient use of physical resources and reducing environmental impact.

[1] Savings are aggregated from Cisco and NetApp® materials moving from M4 to M7 servers and from FAS HDDs to the AFF C-Series SSDs. Cisco savings are internal measurements moving from M4 to M7 servers. NetApp measurements are moving from the FAS HDDs to AFF C-Series SSDs storage.

[2] Note: For SQL Server in SAN, the guaranteed ratio is 1.5:1. This bullet is an overview only. The Storage Efficiency Guarantee requires agreement with certain terms and conditions. Please refer to the Terms & Conditions for full details.

[3] https://www.netapp.com/blog/ransomware-recovery-guarantee/

Learn more about modernize your FlexPod.

CISCO   ■ NetApp