AMD

HCI & Virtualization Solutions

Supercharge Your Virtualization with AMD EPYC™ Processors

Experience exceptional performance, efficiency, and security capabilities for your virtualized workloads.

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The Ideal Foundation for Your Virtualized Infrastructure

Facing rising IT costs, increasing business demands, and the need for AI capabilities?

AMD EPYC™ processors offer a solution for virtualized infrastructure. Their diverse portfolio provides options optimized for performance, power efficiency, or high core density to help reduce data center footprint. Trusted by major enterprises and cloud providers, EPYC processors benefit from strong partnerships with virtualization leaders like VMware®, Red Hat®, and Nutanix™, enabling seamless integration and support for a scalable, future-ready IT foundation.

Modern Infrastructure, Measurable Impact

Up to

61%

Software License Savings

2P EPYC 9575F vs. 2P Intel Xeon 6252 to deliver 28700 integer performance[1]

Read the ebook

Up to

7:1

Server Reduction

2P EPYC 9965 vs. 2P Intel Xeon 8280 to deliver 39100 integer performance[2]

See the Infographic

Use Cases

Private and Hybrid Cloud

AMD EPYC™ processors deliver the performance and scalability enterprises need to build seamless private and hybrid cloud environments. Whether extending workloads across on-prem and public cloud or modernizing legacy infrastructure, EPYC provides the consistency and efficiency to power flexible, reliable hybrid strategies.

Cloud Native

Designed for modern, containerized applications, AMD EPYC™ enables cloud-native infrastructure with high core counts, fast memory bandwidth, and strong performance per watt. It's the ideal platform for orchestrated environments like Kubernetes, microservices, and DevOps pipelines.

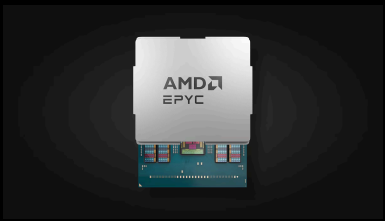
Hyperconverged Infrastructure (HCI)

EPYC CPU-powered systems deliver the compute, storage, and networking performance needed for scalable, resilient HCI deployments. With deep integration across leading platforms like Nutanix and VMware vSAN™, AMD EPYC simplifies infrastructure while maximizing efficiency and density.

Virtual Desktop Infrastructure (VDI)

AMD EPYC™ processors support dense, responsive VDI environments—whether for knowledge workers or high-end 3D visualization. Deliver a consistent end-user experience while optimizing cost and energy efficiency.

Right-Sized Solutions for Every Environment

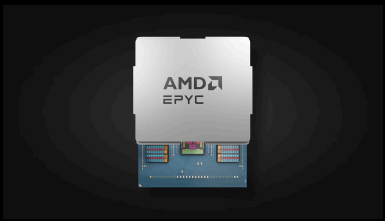


Performance-Optimized

EPYC 9005 Series for intensive, high-throughput virtualized environments.

Power-Efficient

EPYC 8004 Series for edge and power-constrained data centers.



Density-Focused

High core count models ideal for VM and server consolidation.

Case Studies

Partners

VMware >
Nutanix
Microsoft
Red Hat

Solutions

Dell >
HPE >
Lenovo >
Supermicro >

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