



Amazon EC2 Instances Powered by **AMD EPYC™ Processors**



Flexibility and Choice

Additional choices to help you optimize both cost and performance for your workloads. Available now in the EC2 compute optimized (C5a), general purpose (M5a), general purpose burstable (T3a), and memory optimized (R5a) instance families.



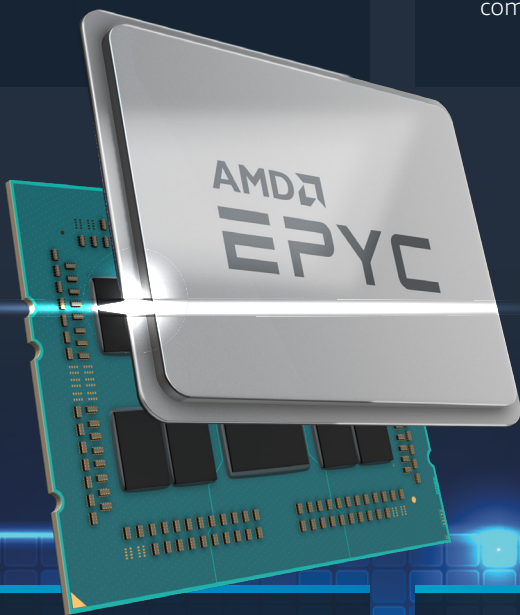
Better Economics

EC2 instances featuring AMD EPYC™ processors deliver a 10% lower cost compute and memory compared to comparable instances. Instances based on 1st Gen AMD EPYC offer customers more choice for cost savings, and instances based on 2nd Gen AMD EPYC offer leading price-performance for compute intensive workloads.



Seamless Migration

Easily migrate applications currently running on existing EC2 instances to the new AMD-based variants with little to no modification. These instances are available in the same sizes and offer application compatibility with the C5, T3, M5, and R5 instances, so you can start using them just like your other EC2 instances.



Powered by AMD EPYC™

Amazon EC2 instances feature 1st Gen AMD EPYC™ 7000 series processors with an all core clock speed of 2.5GHz and 2nd Gen 7002 series processors with an all core clock speed of 3.3GHz. The 2nd Gen AMD EPYC™ processors also have improved memory bandwidth for faster application performance. The AMD-based instances provide additional options for customers to optimize cost and performance.



Reliable Infrastructure

EC2 offers a highly reliable environment where replacement instances can be rapidly and predictably commissioned. The service runs within Amazon's proven network infrastructure and data centers. The Amazon EC2 Service Level Agreement commitment is 99.99% availability for each Amazon EC2 Region.



Networking and Storage

Next-generation Elastic Network Adapter (ENA) provide high throughput, low latency interfaces for networking and Amazon Elastic Block Store (Amazon EBS). EC2 instances featuring AMD EPYC™ processors offer up to 20 Gbps of network bandwidth and up to 10 Gbps of dedicated bandwidth to Amazon EBS.



AWS Nitro System

The AWS Nitro System, delivers a rich collection of building blocks that offloads many of the traditional virtualization functions to dedicated hardware. By doing so, the AWS Nitro System enables high performance, high availability, and high security while also reducing virtualization overhead.

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