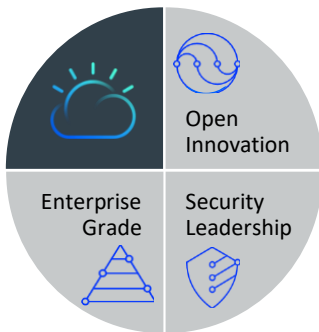


IBM Cloud Bare Metal Servers with 2nd Gen AMD EPYC™ Processors

More choice and flexibility for your heavy workload demands



Highlights

- On-demand provisioning of your bare metal server in the cloud
- Pay only for what you consume
- Self-service console for quick setup
- Attractive options for both memory and compute-intensive applications

AMD EPYC 7002 on IBM Cloud – Tech Docs and White Papers

- [AMD EPYC™ 7002 Series Processors in the Cloud: Weather Modelling with WRF on IBM Cloud™ Bare-Metal Instances IT executives](#)
- [AMD EPYC™ 7002 Series Processors in the Cloud: Server Side Java® Performance on IBM Cloud™ Bare Metal Instances](#)

Across industries, enterprises are readily adopting public cloud solutions in an effort to improve productivity, increase efficiency, gain agility, and reduce IT overhead. Choosing bare metal infrastructure can often be the likely, first step to cloud for enterprises with mission-critical workload footprints. But, knowing which dedicated bare metal server to provision for your particular performance demands is key.

AMD for IBM Cloud Bare Metal Server solutions offer clients fast insight delivery for today's maximum performance workloads thanks to 2nd Gen AMD EPYC™ 7642 processor architecture. The dual-socket server design is ideal for today's modern and heavy workload demands, like data analytics, EDA, AI applications, virtualized workloads, and containerized workloads. You get exceptionally high cores to work with, increased system throughput, and fast clock speeds to help accelerate power-hungry operations.

AMD CPU EPYC 7642 dual-socket server at-a-glance

- 96 CPU cores-per-platform
- Base clock frequency of 2.3GHz
- Maximum all-core boost up to 3.3GHz
- 8 memory channels per socket
- Up to 4TB memory configuration support
- Up to 24 local storage drive support
- OS support to be Red Hat Embedded Linux, CentOS, Ubuntu, MS
- Monthly, pay-as-you-use billing

Scale up for your business-critical workloads

2nd Gen AMD EPYC™ Series processors are built for high scalability – especially high-performance computing (HPC) applications – by supporting 8 channels of memory per processor and PCIe® Gen 4. Memory usage is a key factor in maximizing the output of big data workloads to help ensure you get the most out of your infrastructure system.

Performance at the core

96 CPU cores-per-platform on a dual-socket yields exceptional high node performance and more virtual machines per server for compute-intensive applications.

Enhanced security

The AMD EPYC™ architecture is designed to help ensure security, with capabilities including encryption of main memory and virtual machine memory, and cryptographically to help secure the boot process so you can worry less about data risk and focus more on running your business.

Why IBM Cloud?

Explore customizable, dedicated IBM Cloud Bare Metal Servers that scale up or down to suit your needs. Plus, launch your applications and software across blended, hybrid environments – IBM Cloud Bare Metal Servers integrate with all cloud models – and no vendor lock-ins.

Spin up IBM Cloud Bare Metal Servers on demand and help keep costs to a minimum with hourly and monthly pricing options. Choose from a wide range of capabilities, and provisioning options with over 11M+ configurations to choose from.

All IBM Cloud Bare Metal Servers operate on our private, global IBM Cloud Network so you can launch with confidence. All inbound and outbound network within the IBM Cloud Network is unlimited and not charged, offered between and within any IBM Cloud data center, and across our high-speed, backbone. 20 TB of outbound data transfer is included with all monthly bare metal servers.* Additional bandwidth options can also be purchased, shown at: ibm.com/cloud/bandwidth.

For more information

To configure, price, or save a quote for 2nd Gen AMD EPYC™ 7642 CPUs on IBM Cloud Bare Metal Servers, visit the [IBM Cloud Catalog](#). To explore software and operating systems, or to view our tutorials for getting started, visit our dedicated [IBM Cloud Docs](#) pages. To learn more about IBM Cloud Bare Metal Servers, read our reviews, or catch up on the latest blogs, visit: ibm.com/cloud/bare-metal-servers.

Additionally, IBM Global Financing provides numerous payment options to help you acquire the technology you need to grow your business. We provide full life cycle management of IT products and services, from acquisition to disposition. For more information, visit: ibm.com/financing. IBM Maintenance and Technical Support solutions can help you get the most out of your IT investment by reducing support costs, increasing availability and simplifying management with integrated support for your multiproduct, multivendor hardware and software environment. For more information on hardware maintenance, software support, solution support and managed support, visit: ibm.com/services/maintenance

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IBM Cloud

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*20 TB bandwidth included in United States, Canada and Europe data centers; 5 TB bandwidth included in all other datacenters.