Azure products

[**Virtual Machines**Provision Windows and Linux virtual machines in seconds](https://azure.microsoft.com/en-in/services/virtual-machines/)

Deploy virtual machines featuring up to 416 vCPUs and 12 TB of memory. Get up to 3.7 million local storage IOPS per VM. Take advantage of up to 30 Gbps Ethernet and cloud’s first deployment of 200 Gbps InfiniBand.

* [**Windows Virtual Desktop**The best virtual desktop experience, delivered on Azure](https://azure.microsoft.com/en-in/services/virtual-desktop/)
* [**Azure SQL Database**Managed, intelligent SQL in the cloud](https://azure.microsoft.com/en-in/services/sql-database/)
* [**App Service**Quickly create powerful cloud apps for web and mobile](https://azure.microsoft.com/en-in/services/app-service/)
* [**Azure Cosmos DB**Globally distributed, multi-model database for any scale](https://azure.microsoft.com/en-in/services/cosmos-db/)
* Azure Cosmos DB is a fully managed database service with [turnkey global distribution](https://docs.microsoft.com/en-in/azure/cosmos-db/distribute-data-globally) and transparent multi-master replication. Get single-digit millisecond read and write latencies at the 99th percentile, [automatic and elastic scaling of throughput and storage](https://docs.microsoft.com/en-in/azure/cosmos-db/scaling-throughput) worldwide, 99.999-percent high availability and [five well-defined consistency choices](https://docs.microsoft.com/en-in/azure/cosmos-db/consistency-levels)—all backed by [industry-leading comprehensive SLAs](https://azure.microsoft.com/en-in/support/legal/sla/cosmos-db/).
* [**PlayFab**The complete LiveOps back-end platform for building and operating live games](https://azure.microsoft.com/en-in/services/playfab/)
* [**Azure Kubernetes Service (AKS)**Simplify the deployment, management and operations of Kubernetes](https://azure.microsoft.com/en-in/services/kubernetes-service/)
* The fully managed Azure Kubernetes Service (AKS) makes deploying and managing containerised applications easy. It offers serverless Kubernetes, an integrated continuous integration and continuous delivery (CI/CD) experience and enterprise-grade security and governance. Unite your development and operations teams on a single platform to rapidly build, deliver and scale applications with confidence.
* [**Azure Functions**Process events with serverless code](https://azure.microsoft.com/en-in/services/functions/)
* [**Cognitive Services**Add smart API capabilities to enable contextual interactions](https://azure.microsoft.com/en-in/services/cognitive-services/)
* [**Azure Quantum**Experience quantum impact today on Azure](https://azure.microsoft.com/en-in/services/quantum/)

[**Databases**](https://azure.microsoft.com/en-in/product-categories/databases/)Support rapid growth and innovate faster with secure, enterprise-grade and fully managed database services

* [**Azure azurearc DB**Globally distributed, multi-model database for any scale](https://azure.microsoft.com/en-in/services/cosmos-db/)

[**Azure SQL Database**Managed, intelligent SQL in the cloud](https://azure.microsoft.com/en-in/services/sql-database/): Azure SQL Database is the intelligent, scalable, cloud database service that provides the broadest SQL Server engine compatibility and [up to a 212% return on investment.](https://azure.microsoft.com/en-in/resources/forrester-tei-sql-database-managed-instance/) Migrate existing apps or build new apps on Azure - the [best cloud destination](https://azure.microsoft.com/en-in/services/sql-database/campaign/) for your mission-critical SQL Server workloads.

Azure SQL Database is now Azure Arc-enabled. You can run this service on premises on infrastructure of your choice with cloud benefits like automation, no end of support, unified management and a cloud billing model.

* [**Azure Database for MySQL**Managed MySQL database service for app developers](https://azure.microsoft.com/en-in/services/mysql/)Azure Database for MySQL provides fully managed, enterprise-ready community MySQL database as a service. The MySQL Community edition helps you easily lift and shift to the cloud, using languages and frameworks of your choice. On top of that, you get built-in high availability and dynamic scaling, helping you easily adjust to changes in customer demands. Additionally, you benefit from the unparalleled security and compliance, including Azure IP advantage, as well as Azure’s industry leading reach. All this with a flexible pricing model so you can choose resources for your workload with no hidden cost.:

## [Azure Database for PostgreSQLManaged PostgreSQL database service for app developers](https://azure.microsoft.com/en-in/services/postgresql/)Build massively scalable PostgreSQL applications:Focus on application innovation, not database management, with fully managed and intelligent Azure Database for PostgreSQL. Scale your workload quickly with ease and confidence.

Azure Database for PostgreSQL Hyperscale is now Azure Arc-enabled. You can run this service on premises on infrastructure of your choice with cloud benefits like automation, hyperscale, unified management, and a cloud billing model with reserved capacity pricing now available.

* :
* [**Azure Database for MariaDB**Managed MariaDB database service for app developers](https://azure.microsoft.com/en-in/services/mariadb/)

Azure Database for MariaDB delivers:

* Built-in high availability with no additional cost.
* Predictable performance, using inclusive pay-as-you-go pricing.
* Scaling as needed within seconds.
* Secured protection of sensitive data at rest and in motion.
* Automatic backups and point-in-time-restore for up to 35 days.
* Enterprise-grade security and compliance.
* [**SQL Server on Virtual Machines**Host enterprise SQL Server apps in the cloud](https://azure.microsoft.com/en-in/services/virtual-machines/sql-server/)
* [**Azure Database Migration Service**Simplify on-premises database migration to the cloud](https://azure.microsoft.com/en-in/services/database-migration/)
* [**Azure Cache for Redis**Power applications with high-throughput, low-latency data access](https://azure.microsoft.com/en-in/services/cache/)
* **Fully managed service**
* Enjoy a fully managed version of the popular open-source Redis server with a turnkey caching solution. Harness the benefits without the need to become an expert in deploying and managing it.
* **High performance**
* Azure Cache for Redis achieves superior throughput and latency performance by storing data in memory instead of on disk. It consistently serves read and write requests within single-digit milliseconds, delivering exceedingly fast cache operations to scale data tiers as application loads increase.
* [**Table Storage**NoSQL key-value store usi](https://azure.microsoft.com/en-in/services/storage/tables/)

**A-Series**

**Entry-level economical VMs for dev/test**

A-series VMs have CPU performance and memory configurations best suited for entry level workloads like development and test. They are economical and provide a low-cost option to get started with Azure. Av2 Standard is the latest generation of A-series VMs with similar CPU performance but more RAM per vCPU and faster disks.

**Example use cases include** development and test servers, low traffic web servers, small to medium databases, servers for proof-of-concepts and code repositories.

 A-Series

STARTING FROM

₹772.01 /per month

[Pricing Windows VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/windows/#a-series) [Pricing Linux VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/linux/#a-series)

**Bs-Series**

**Economical burstable VMs**

Bs-series are economical virtual machines that provide a low-cost option for workloads that typically run at a low to moderate baseline CPU utilisation, but sometimes need to burst to significantly higher CPU utilisation when the demand rises.

**Example use cases include** development and test servers, low-traffic web servers, small databases, micro services, servers for proof-of-concepts, build servers.

 Bs-Series

STARTING FROM

₹180.94 /per month

[Pricing Windows VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/windows/#bs-series) [Pricing Linux VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/linux/#bs-series)

**D-Series**

**General purpose compute**

D-series VMs feature fast CPUs and optimal CPU-to-memory configuration making them suitable for most production workloads.

Dv3 virtual machine instances provide hyper-threaded general-purpose VMs and are based on the 2.3 GHz Intel XEON ® E5-2673 v4 (Broadwell) processor. They can achieve 3.5 GHz with Intel Turbo Boost Technology 2.0.

The Da\_v4 and Das\_v4 Azure VM-series provide up to 96 vCPUs, 384 GiBs of RAM and 2,400 GiBs of SSD-based temporary storage and feature AMD’s EPYC™ 7452 processor.

The Ds-series and the Das-series VMs both support Azure Premium SSDs.

**Example use cases include** many enterprise-grade applications, relational databases, in-memory caching and analytics. The latest generations are ideal for applications which demand faster CPUs, better local disk performance or higher memories.

 D-Series

STARTING FROM

₹2,750.27 /per month

[Pricing Windows VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/windows/#d-series) [Pricing Linux VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/linux/#d-series)

**DC-series**

**Protect data in use**

DC-series virtual machines are a new family of VMs to protect the confidentiality and integrity of your data and code while it is processed in Azure through the use of secure enclaves. This is in addition to the existing built-in encryption capabilities that protect data in Azure while it is at rest and in transit.

These VMs are backed by the latest generation of Intel Xeon E-2176G 3.7GHz Processor with SGX technology. With Intel Turbo Boost Technology this processor can reach up to 4.7GHz.

**Example use cases include** confidential querying in databases, creation of scalable confidential consortium networks and secure multiparty machine learning algorithms. The DC-series VMs are ideal to build secure enclave-based applications to protect customers code and data while it is in use.

 DC-series

STARTING FROM

₹3,232.77 /per month

[Pricing Windows VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/windows/#d-series) [Pricing Linux VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/linux/#d-series)

**E-Series**

**Optimised for in-memory hyper-threaded applications**

The E-series Azure virtual machines are optimised for heavy in-memory applications such as SAP HANA. These VMs are configured with high memory-to-core ratios, which makes them well-suited for relational database servers, with medium to large caches and in-memory analytics. The Ev3-series VMs range from 2 to 64 vCPUs and 16-432 GiB of RAM, respectively.

The Ea\_v4 and Eas\_v4 Azure VM-series feature AMD’s EPYC™ 7452 processor and also provide up to 96 vCPUs, 672 GiBs of RAM and 2,400 GiBs of SSD-based temporary storage.

The Es and the Eas VM series both support Azure Premium SSDs.

**Example use cases include** SAP HANA (E64s\_v3 only), SAP S/4 HANA application layer, SAP NetWeaver application layer, SQL Hekaton and other large in-memory business critical workloads.

 E-Series

STARTING FROM

₹6,079.54 /per month

[Pricing Windows VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/windows/#e-series) [Pricing Linux VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/linux/#e-series)

**F-Series**

**Compute optimised virtual machines**

F-series VMs feature a higher CPU-to-memory ratio. They are equipped with 2 GB RAM and 16 GB of local solid state drive (SSD) per CPU core and are optimised for compute intensive workloads. The Fsv2-series features 2 GiB RAM and 8 GB of local temporary storage (SSD) per vCPU. The Fsv2-series is hyper-threaded and based on the 2.7 GHz Intel Xeon® Platinum 8168 (SkyLake) processor, which can achieve clock speeds as high as 3.7 GHz with the Intel Turbo Boost Technology 2.0.

**Example use cases include** batch processing, web servers, analytics and gaming.

 F-Series

STARTING FROM

₹2,364.27 /per month

[Pricing Windows VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/windows/#f-series) [Pricing Linux VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/linux/#f-series)

**G-Series**

**Memory and storage optimised virtual machines**

G-series VMs feature the [Intel® Xeon® processor E5 v3 family](https://go.microsoft.com/fwlink/?LinkId=692100&clcid=0x4009), two times more memory and four times more Solid State Drive storage (SSDs) than the General Purpose D-series. G-series features up to ½ TB of RAM and 32 CPU cores and provide unparalleled computational performance, memory and local SSD storage for your most demanding applications.

**Example use cases include** large SQL and NoSQL databases, ERP, SAP and data warehousing solutions.

 G-Series

STARTING FROM

₹21,181.87 /per month

[Pricing Windows VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/windows/#g-series) [Pricing Linux VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/linux/#g-series)

**H-Series**

**High Performance Computing virtual machines**

The HB-series VMs are optimised for HPC applications driven by memory bandwidth, such as fluid dynamics, explicit finite element analysis and weather modeling. HB VMs feature 60 AMD EPYC 7551 processor cores, 4 GB of RAM per CPU core, no hyperthreading and up to 4 Managed Disks. The AMD EPYC platform provides more than 260 GB/sec of memory bandwidth.

The HC-series VMs are optimised for HPC applications driven by intensive computation, such as implicit finite element analysis, reservoir simulation and computational chemistry. HC VMs feature 44 Intel Xeon Platinum 8168 processor cores, 8 GB of RAM per CPU core, no hyperthreading and up to 4 Managed Disks. The Intel Xeon Platinum platform supports Intel’s rich ecosystem of software tools and features an all-cores clock speed of 3.4 GHz for most workloads.

**Example use cases include** fluid dynamics, finite element analysis, seismic processing, reservoir simulation, risk analysis, electronic design automation, rendering, Spark, weather modeling, quantum simulation, computational chemistry, heat transfer simulation.

 H-Series

STARTING FROM

₹38,407.21 /per month

[Pricing Windows VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/windows/#h-series) [Pricing Linux VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/linux/#h-series)

**Ls-Series**

**Storage optimised virtual machines**

The latest Lsv2-series features high throughput, low latency, directly mapped local NVMe storage. The Lsv2 VMs run on the AMD EPYC™ 7551 processor with an all core boost of 2.55GHZ up to a 3.0GHz single core boost. The Lsv2 series VMs offer up to 80 vCPUs in a hyper-threaded configuration, with 8 GiB of memory per vCPU and up to 19.2TB (10x1.92TB) available directly to the VM.

The Ls-series VMs are storage optimised. These are ideal for applications requiring low latency, high throughput and large local disk storage. These VMs are built on Intel Haswell processor technology, specifically E5 Xeon v3 processors with 4, 8, 16 and 32 core VM sizes. Ls-series VMs support up to 6 TB of local SSD and offer unmatched storage I/O performance.

**Example use cases include** NoSQL databases such as Cassandra, MongoDB, Cloudera and Redis. Data warehousing applications and large transactional databases are great use cases as well.

 Ls-Series

STARTING FROM

₹18,045.60 /per month

[Pricing Windows VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/windows/#lsv2-series) [Pricing Linux VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/linux/#lsv2-series)

**M-Series**

**Memory optimised virtual machines**

The M-series family of Azure virtual machines are memory optimised and are ideal for heavy in-memory workloads such as SAP HANA. The M-Series offer up to 4 TB of RAM on a single VM. In addition, these VMs offer a virtual CPU count of up to 128 vCPUs on a single VM to enable high performance parallel processing.

**Example use cases include** SAP HANA, SAP S/4 HANA, SQL Hekaton and other large in-memory business critical workloads requiring massive parallel compute power.

 M-Series

STARTING FROM

₹74,136.53 /per month

[Pricing Windows VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/windows/#m-series) [Pricing Linux VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/linux/#m-series)

**Mv2-Series**

**Largest memory optimised virtual machines**

The Azure Mv2-series virtual machines are hyper-threaded and feature Intel® Xeon® Platinum 8180M 2.5GHz (Skylake) processors, offering up to 416 vCPU on a single VM and offer 3TB, 6 TB and 12 TB memory configurations. This is by far the largest-memory virtual machine offered on Azure and provide unparalleled computational performance to support large in-memory databases.

**Example use cases include** SAP HANA, SAP S/4 HANA, SQL Hekaton and other large in-memory business critical workloads requiring massive parallel compute power.

 Mv2-Series

STARTING FROM

₹10,76,463.36 /per month

[Pricing Windows VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/windows/#mv2-series) [Pricing Linux VMs](https://azure.microsoft.com/en-in/pricing/details/virtual-machines/linux/#mv2-series)

**N-Series**

**GPU enabled virtual machines**

The N-series is a family of Azure Virtual Machines with GPU capabilities. GPUs are ideal for compute and graphics-intensive workloads, helping customers to fuel innovation through scenarios like high-end remote visualisation, deep learning and predictive analytics.

The N-series has three different offerings aimed at specific workloads:

* The NC-series is focused on high-performance computing and machine learning workloads. The latest version—NCsv3—features NVIDIA’s Tesla V100 GPU.
* The NDs-series is focused on training and inference scenarios for deep learning. It uses the NVIDIA Tesla P40 GPUs. The latest version - NDv2 - features the NVIDIA Tesla V100 GPUs.
* The NV-series enables powerful remote visualisation workloads and other graphics-intensive applications backed by the NVIDIA Tesla M60 GPU.

NCsv3, NCsv2, NC and NDs VMs offer optional InfiniBand interconnect to enable scale-up performance.

**Example use cases include** simulation, deep learning, graphics rendering, video editing, gaming and remote visualisation.