**Sizes for Linux virtual machines in Azure**

This article describes the available sizes and options for the Azure virtual machines you can use to run your Linux apps and workloads. It also provides deployment considerations to be aware of when you're planning to use these resources. This article is also available for [Windows virtual machines](https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sizes?toc=%2fazure%2fvirtual-machines%2fwindows%2ftoc.json).

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| Type | Sizes | Description |
| [General purpose](https://docs.microsoft.com/en-us/azure/virtual-machines/linux/sizes-general) | B, Dsv3, Dv3, DSv2, Dv2, DS, D, Av2, A0-7, | Balanced CPU-to-memory ratio. Ideal for testing and development, small to medium databases, and low to medium traffic web servers. |
| [Compute optimized](https://docs.microsoft.com/en-us/azure/virtual-machines/linux/sizes-compute) | Fsv2, Fs, F | High CPU-to-memory ratio. Good for medium traffic web servers, network appliances, batch processes, and application servers. |
| [Memory optimized](https://docs.microsoft.com/en-us/azure/virtual-machines/linux/sizes-memory) | Esv3, Ev3, M, GS, G, DSv2, DS, Dv2, D | High memory-to-CPU ratio. Great for relational database servers, medium to large caches, and in-memory analytics. |
| [Storage optimized](https://docs.microsoft.com/en-us/azure/virtual-machines/linux/sizes-storage) | Ls | High disk throughput and IO. Ideal for Big Data, SQL, and NoSQL databases. |
| [GPU](https://docs.microsoft.com/en-us/azure/virtual-machines/linux/sizes-gpu) | NV, NC | Specialized virtual machines targeted for heavy graphic rendering and video editing. Available with single or multiple GPUs. |
| [High performance compute](https://docs.microsoft.com/en-us/azure/virtual-machines/linux/sizes-hpc) | H, A8-11 | Our fastest and most powerful CPU virtual machines with optional high-throughput network interfaces (RDMA). |