Azure

The most affordable server with "Burstable" B-Series – powered by Azure

VIRTUAL MACHINE

Burstable VMs are ideal for workloads that do not need full CPU performance all the time (e.g., web servers or dev build environments). The peaks and valleys of demand create a market in CPU credits. When demand is beneath baseline performance, **VMs** are idle. When demand exceeds baseline performance, organizations spend those same **VM** credits.

First Distribution is very excited to launch these solutions specific to our SMB's and SME's. Why pay for ping, power, and space plus the infrastructure when you can save so much with these offerings. Choose between an unmanaged or managed cloud VM today.

Burstable VMs - B1S Unmanaged $10.80

1 B1S (1 vCPU, 1 GB RAM) x 730 Hours; Linux – Ubuntu; Pay as you go; 1 managed OS disk – E3, 100 transaction units; Inter Region transfer type, 5 GB outbound data transfer from South Africa North to East Asia

Burstable VMs - B1S Managed $110.80

1 B1S (1 vCPU, 1 GB RAM) x 730 Hours; Linux – Ubuntu; Pay as you go; 1 managed OS disk – E3, 100 transaction units; Inter Region transfer type, 5 GB outbound data transfer from South Africa North to East Asia

- Suitable for non production workloads/ applications.
- Suitable for learning environment deployments.

Burstable VMs - B2S Unmanaged $48.91

1 B2S (2 vCPUs, 4 GB RAM) x 730 Hours; Linux – Ubuntu; Pay as you go; 1 managed OS disk – E10, 100 transaction units; Inter Region transfer type, 5 GB outbound data transfer from South Africa North to East Asia

Burstable VMs - B2S Managed $148.91

1 B2S (2 vCPUs, 4 GB RAM) x 730 Hours; Linux – Ubuntu; Pay as you go; 1 managed OS disk – E10, 100 transaction units; Inter Region transfer type, 5 GB outbound data transfer from South Africa North to East Asia

- Optimized for basic workloads.
- Suitable for testing development workloads.

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Burstable VMs - B4MS Unmanaged $69.75

1 B4MS (4 vCPUs, 16 GB RAM) x 730 Hours; Linux – Ubuntu; Pay as you go; 1 managed OS disk – E15, 100 transaction units; Inter Region transfer type, 5 GB outbound data transfer from South Africa North to East Asia

Burstable VMs - B4MS Managed $169.75

1 B4MS (4 vCPUs, 16 GB RAM) x 730 Hours; Linux – Ubuntu; Pay as you go; 1 managed OS disk – E15, 100 transaction units; Inter Region transfer type, 5 GB outbound data transfer from South Africa North to East Asia

- Suitable for custom web applications.
- Hosting Internet Sandbox.

Burstable VMs - B8MS $89.92

1 B8MS (8 vCPUs, 32 GB RAM) x 730 Hours; Linux – Ubuntu; Pay as you go; 1 managed OS disk – E3, 100 transaction units; Inter Region transfer type, 5 GB outbound data transfer from South Africa North to East Asia

Burstable VMs - B8MS $189.92

1 B8MS (8 vCPUs, 32 GB RAM) x 730 Hours; Linux – Ubuntu; Pay as you go; 1 managed OS disk – E3, 100 transaction units; Inter Region transfer type, 5 GB outbound data transfer from South Africa North to East Asia

- High traffic web applications.
- Commonly used as domain controllers.

One of the most common complaints about Azure Virtual Machine (VM) pricing is that it is too expensive for small workloads. For custom web applications you could share an App Service Plan, which is great if the app can be hosted within Azure App Service. However, if your workload needs a full VM, then there was not really a great option unless you were willing to share a VM with multiple applications. This can pose many management difficulties. Thankfully, Microsoft has been listening to feedback of wanting an even more cost effective and affordable cloud for smaller workloads too. The Azure B-Series VM sizes are the answer to this, and instead being "just cheaper VMs" they offer an innovative advancement to Infrastructure as a Service (IaaS).

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The B-series VMs are ideal for workloads that do not need the full performance of the CPU continuously, like web servers, proof of concepts, small databases, and development build environments. These workloads typically have burstable performance requirements. The B-series provides you with the ability to purchase a VM size with baseline performance that can build up credits when it is using less than its baseline. When the VM has accumulated credits, the VM can burst above the baseline using up to 100% of the vCPU when your application requires higher CPU performance.

More detail: B-series burstable - Azure Virtual Machines | Microsoft Docs

- **What is a server?**
  A server is a computer or device that provides a service to another computer program and its user, also known as the client. In a data centre, the physical computer that a server program runs on is also frequently referred to as a server. That machine might be a dedicated server, or it might be used for other purposes. A server computer provides resources, data, services, or programs to other computers(clients), over a network. There are many types of servers, including web servers, mail servers, and virtual servers.

- **What is a VM?**
  A virtual machine (VM) is an operating system (OS) or application environment that is installed on software, which imitates dedicated hardware. The end user has the same experience on a virtual machine as they would have on dedicated hardware. Virtual machines allow you to run an operating system in an app window on your desktop that behaves like a full, separate computer. You can use them to test and host applications that run on different operating systems, run software your main operating system can't, and try out apps in a safe, sandboxed environment with scaling capabilities.

- **What is Managed?**
  A managed server is a server that has some or all server administration tasks handled by the hosting provider. The specific tasks handled by a server management package varies by provider.

- **What is unmanaged?**
  An unmanaged server is a server that you are responsible for the management, server health maintenance, performance, and upgrades. You need skilled resources to ensure the server remains functional.

- **What is burstable?**
  A "burstable" VM is one where you can bank, or save up, CPU cycles for the future. The CPU cycles you are not using are then "banked" for you in a kind of virtual savings account. When you need extra CPUs, you can draw against your banked CPU cycles. Azure provides this "burst" of power without having to restart your machine. This provides you with several benefits such as business continuity and predictable performance.