### **On-Demand Azure VMs / Amazon EC2 Instances**

* As you can see below, for mid-range instances with 4 CPUs and 16 GB of memory, Azure has a price advantage across both Linux and Windows. The advantage is maintained across most other instance sizes.

|  |  |  |
| --- | --- | --- |
| **Instance Parameters** | **Azure** **Per-Hour Price** | **AWS** **Per-Hour Price** |
| On-Demand / Linux / General Purpose / 4 CPUs / 16 GB Memory | $0.1670 | $0.1856 |
| On-Demand / Linux / Compute Optimized / 4 CPUs / 16 GB Memory | $0.1690 | $0.1700 |
| On-Demand / Linux / Memory Optimized / 4 CPUs / 16 GB Memory | $0.2660 | $0.2660 |
| On-Demand / Windows / General Purpose / 4 CPUs / 16 GB Memory | $0.5970 | $0.8560 |
| On-Demand / Windows / Compute Optimized / 4 CPUs / 16 GB Memory | $0.7260 | $0.8340 |
| On-Demand / Windows / Memory Optimized / 4 CPUs / 16 GB Memory | $0.8500 | $0.9520 |

### Reserved Azure VMs / Amazon EC2 Instances

* The following table offers a few examples of the comparable per-hour pricing under 1-year and 3-year terms. Pricing is very similar for Linux machines; for Windows, Azure maintains its cost advantage for most instance types, even with reserved price discounts applied.

|  |  |  |
| --- | --- | --- |
| **Instance Parameters** | **Azure** **Per-Hour Price** | **AWS** **Per-Hour Price** |
| Reserved 3 Year / Linux / General Purpose / 4 CPUs / 16 GB Memory | $0.0701 | $0.0705 |
| Reserved 1 Year / Linux / General Purpose / 4 CPUs / 16 GB Memory | $0.1069 | $0.1076 |
| Reserved 3 Year / Windows / General Purpose / 4 CPUs / 16 GB Memory | $0.2507 | $0.3253 |
| Reserved 1 Year / Windows / General Purpose / 4 CPUs / 16 GB Memory | $0.3821 | $0.4965 |

### Object Storage Pricing

* When planning an [Azure migration strategy](https://cloud.netapp.com/blog/azure-migration-strategy-four-steps-to-the-cloud), take into account that Azure offers lower per-GB prices across all [Azure storage tiers](https://cloud.netapp.com/blog/azure-automated-storage-tiering-with-cloud-volumes-ontap), except Infrequent Access where AWS equals Azure. The other exception is One Zone Infrequent Storage, which is only offered by AWS and is by far the cheapest option at $0.0010 per GB.

|  |  |  |
| --- | --- | --- |
| **Storage Parameters** | **Azure** **Per-GB Price** | **AWS** **Per-GB Price** |
| Frequent Access / First 50 TB | $0.208 | $0.230 |
| Frequent Access / 51-500 TB | $0.200 | $0.220 |
| Infrequent Access | $0.0125 | $0.0125 |
| Archive Storage | $0.0020 | $0.0040 |

## Block Storage Pricing

* Amazon provides the Elastic Block Storage (EBS) service, which provides block storage volumes that can be attached to EC2 instances. The comparable Azure service is Azure Virtual Disks, which connect to Azure VMs. On both AWS and Azure, block storage can be based on magnetic or SSD disk drives.

|  |  |  |
| --- | --- | --- |
| **Storage Parameters** | **Azure**  **Per-GB Price** | **AWS** **Per-GB Price** |
| **HDD** | $0.05 | $0.045 |
| **SSD** | $0.153 (in 128 GB increments) | $0.10 |
| **Free Tier** | N/A | $30GB SSD |

### Discounted Cloud Instance Pricing

* When it comes to discounted cloud pricing, it is important to remember that this comes with a lock-in period of 1 – 3 years. Therefore, it would work best for organizations that are more stable and have a good idea of what their historical cloud usage is and can fairly accurately predict what cloud services they would require over the next 12-month period.
* In the table below, we have looked at annual costs of both AWS and Azure.
* Azure’s rates are clearly better than Amazon’s pricing and by a good margin. Azure offers better-discounted rates for Standard, Highmem and High CPU compute instances.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **VM Type** | **AWS 1 Y RI Annual** | **Azure 1 Y RI Annual** | **AWS 1 Y RI Annual / GB RAM** | **Azure 1 Y RI Annual / GB RAM** |
| Standard 2 vCPU w Local SSD | $867 | $508 | $116 | $64 |
| Standard 2 vCPU no local disk | $622 | $508 | $78 | $64 |
| Highmem 2 vCPU w Local SSD | $946 | $683 | $63 | $43 |
| Highmem 2 vCPU no local disk | $850 | $683 | $56 | $43 |
| Highcpu 2 vCPU w Local SSD | $666 | $543 | $178 | $136 |
| Highcpu 2 vCPU no local disk | $543 | $543 | $136 | $136 |

GitHub Pricing :

|  |  |  |
| --- | --- | --- |
| **Personal Account** | **$0**per month | * Unlimited public repositories * Unlimited collaborators * 500MB of GitHub Packages storage * 2,000 Actions minutes/month |
| **Developer** | **$7**per month | * Personal account * Unlimited public repositories * Unlimited private repositories * Unlimited collaborators * 3,000 Actions minutes/month * 2GB of GitHub Packages storage |
| **Team** | **$9**per month | * Organization account * Unlimited public repositories * Unlimited private repositories * Team and user permissions * 3,000 Actions minutes/month * 2GB of GitHub Packages storage |
| **Business Hosted on GitHub.com** | **$21**per month | * Organization account * SAML single sign-on * Access provisioning * 24/5 support with 8-hour response time * 99.95% Uptime SLA * 50,000 Actions minutes/month * 50GB of GitHub Packages storage |
| **GitHub Enterprise** | **$21**per month | * Multiple organizations * SAML, LDAP, and CAS * Access provisioning * 24/7 support for urgent issues * Advanced auditing * Host on your servers, AWS, Azure, or GCP * 50,000 Actions minutes/month * 50GB of GitHub Packages storage |