

VMware Tanzu Greenplum on Azure v6.8

Powered by VMware Tanzu Greenplum versions 6.24.3, 5.29.10, or 4.3.33

PERFORMANCE

Scalable and fast! Often faster than on-premises installations!

SCALE COMPUTE

Dynamically adjust compute resources up or down as needed with the *gpcompute* utility. Migrate between different instance types belonging to the same instance series.

SELF-HEALING

Automatic Self-Healing for any Instance failure in the cluster.

PAUSE/RESUME

Save big on IaaS costs by pausing and resuming cluster with the *gppower* utility.

SCALE STORAGE

Grow your cloud storage easily and online with the *gpgrow* utility.

BACKUPS AND DISASTER RECOVERY

Create cloud backups in seconds with *gpsnap*. Next, copy the snapshots to a different region with *gpsnap* for on-demand disaster recovery.

Development

(1) Standard_E8_v5 node

525 GB Usable Storage*

64 GB of RAM

8 vCPUs

Production

(1) Standard_E8_v5 Master

(64) Standard_E8_v5 Segments

Over 1 PB Usable Storage*

4 TB of RAM

520 vCPUs

* Usable storage computed RAW Storage divided by 2 (for mirrors) and then multiplied by .7 to leave disk space for optimal performance.

SQL Interface

Included intuitive browser interface *phpPgAdmin*.

Connection Pooling

Use *bouncer* utility to manage the included pgBouncer connection pooler.

Software Upgrades

Use *gprelease* to get alerted to and install new database versions.

Automated

Deploying VMware Tanzu Greenplum on Azure uses *Azure Resource Group Deployments* and standard best practices to deploy infrastructure as code.

Licensing

Use the same on-premises license (BYOL) or pay as you go (Hourly). For E-series licensing, 1 core = 2 Azure vCPU as they support hyper-threading. For E-series licensing, 1 core = 1 Azure vCPU as they do not support hyper-threading. Metered products are billed at \$0.25 per core per hour.

Optional Installer

Use *gpoptional* to easily common optional components like Command Center and PL/Container.

Storage

All disks are automatically formatted with optimized configurations with HDD and SSD options. The Disk Type can also be easily changed using *gpsnap*!

Security

Optional public IP address, Network isolation, disabled root access, ssh password authentication disabled, encrypted database authentication, up to date operating system patches, and Microsoft security reviews.

Administration

Automated DBA tasks with *gpmaintain*.