

Pivotal Greenplum on Azure v4.1

PERFORMANCE

Optimized for your chosen Azure environment with multiple configuration options. Thorough testing has resulted in dynamic Greenplum memory settings, number of segments per host, and optimal disk configurations based on simple parameters.

SELF-HEALING

Azure specific Self-Healing is enabled for any node in your cluster should it fail. This automation makes recovering from a failure without user intervention and completed in a very short amount of time.

LICENSING

You can either Bring Your Own License (BYOL) and run your software in Azure or choose to use Greenplum Hourly (On Demand) and be billed for the software every time you use it. Pivotal Greenplum is licensed by the core with HPC instances types (1 core = 1 vCPU). Metered products are billed at \$0.50 per core per hour.

BACKUPS AND DISASTER RECOVERY

Leveraging Disk Snapshots, an easy to use tool automates backups for easy restoration.

Development

(1) Standard_H8

5.6 TB of Usable Storage*

56 GB of RAM

8 vCPUs

Production

(33) Standard_H16 Nodes

179 TB Usable Storage*

3.7 TB of RAM

528 vCPUs

SQL Interface

Includes GP Browser provides a robust SQL web interface. Manage database objects with its intuitive browser interface

Connection Pooling

pgBouncer connection pooler is configured and enabled by default to maximize connection management

Software Upgrades

New version alerting and automated upgrade utility simplifies keeping Greenplum up to date within Pivotal Greenplum.

Instance Types

HPC instance types have been found to be the best performing instance types for Greenplum in Azure with Standard_H8, Standard_H16, Standard_D13_v2, and Standard_D14_v2 options.

Automated

Deploying Pivotal Greenplum on Azure uses Azure Deployment automation and standard best practices to deploy infrastructure as code that is a simple, fast, and reliable.

Optional Installer

Optional components are easily installed either initially when the deployment is created or afterwards with an easy to use command line utility.

Disk

All disks are automatically formatted with optimized configurations.

Security

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

Administration

Automated Database Administration tasks such as vacuuming and analyzing tables in addition to maintaining the database catalog.

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