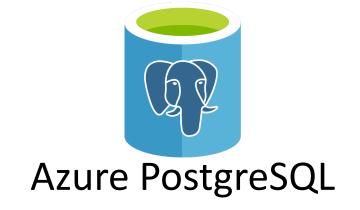# Azure Database for PostgreSQL Basics 101

Azure Database for PostgreSQL Overview

❑ Azure Database for PostgreSQL is a relational database service based on the community version of open-source PostgreSQL database engine

❑ Currently two deployment options are available:
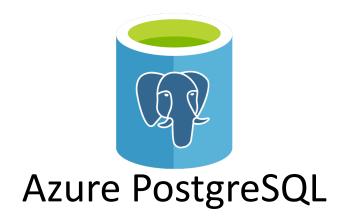 ❑ Single Server
  ❑ Hyperscale

Azure PostgreSQL

Azure Database for PostgreSQL – Single Server

- ❑ Key benefits:
  - ❑ Built-in HA – 99.99% SLA
  - ❑ Enterprise-grade security and compliance
  - ❑ Built-in security for data at-rest or in-motion
  - ❑ Automatic bkp and point-in-time-restore up to 35 days
  - ❑ Vertical scale as needed in seconds

- ❑ Three pricing tiers are available:
  - ❑ Basic, General purpose, Memory optimized (vCore, RAM, storage)

Azure PostgreSQL

Azure Database for PostgreSQL – Hyperscale

- ❑ As opposed to single server option, hyperscale option scales the DB horizontally (multiple machines)

- ❑ Incoming SQL queries are sent to these servers, which results in faster responses on large datasets

- ❑ Servers are actually part of a server group, coordinator node and worker node roles are available

Azure PostgreSQL

- ❑ https://azure.microsoft.com/en-us/pricing/details/postgresql/server/

Microsoft Azure Fundamentals
Training Bootcamp

Thank you