Workshop: Getting Started Microsoft Azure

- Microsoft Azure Portal
- Azure SQL Database
- Azure Database for MySQL server
- Azure Database for PostgreSQL server
- Query tools: (Do not need all)

Note: this workshop oriented to relational databases, follow-on workshops deploy other types of resources

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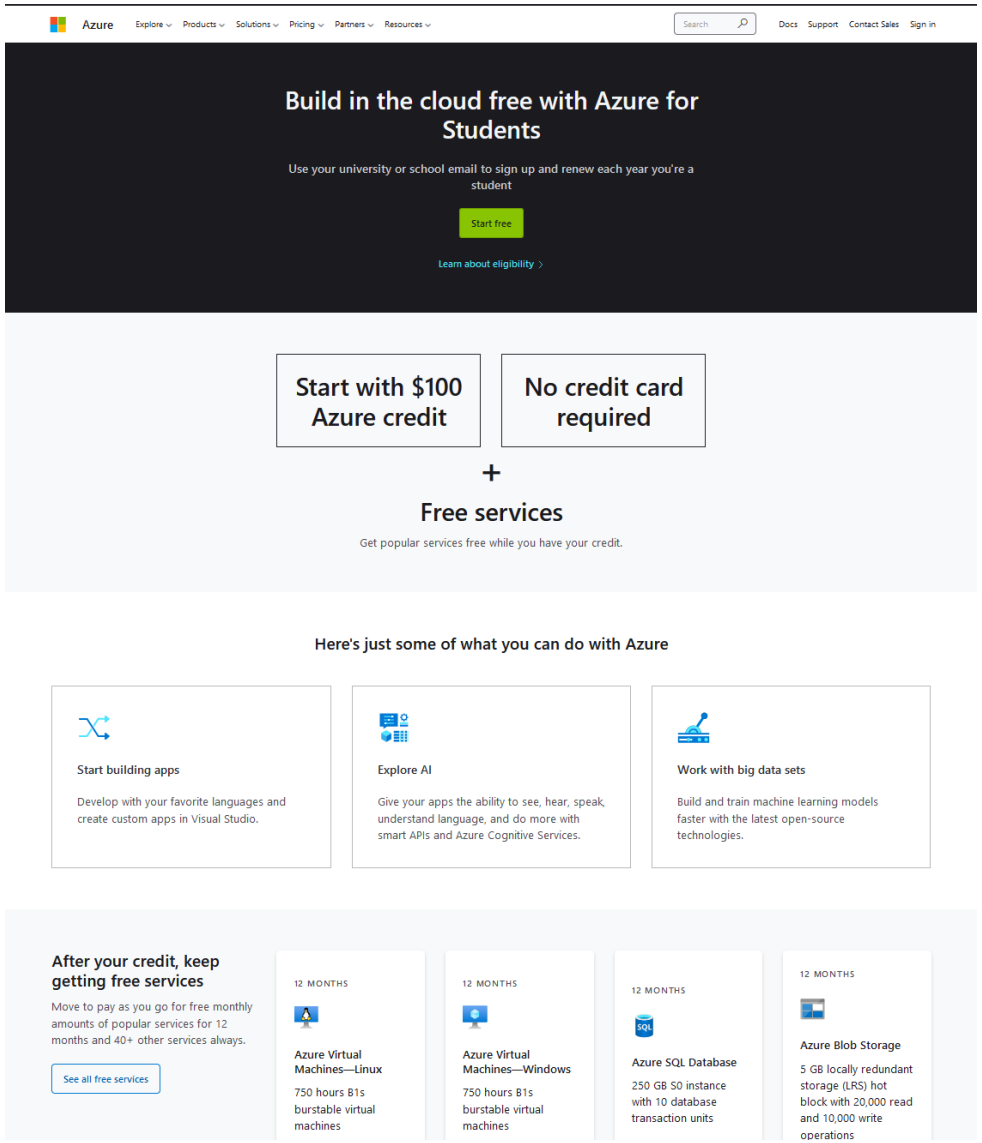
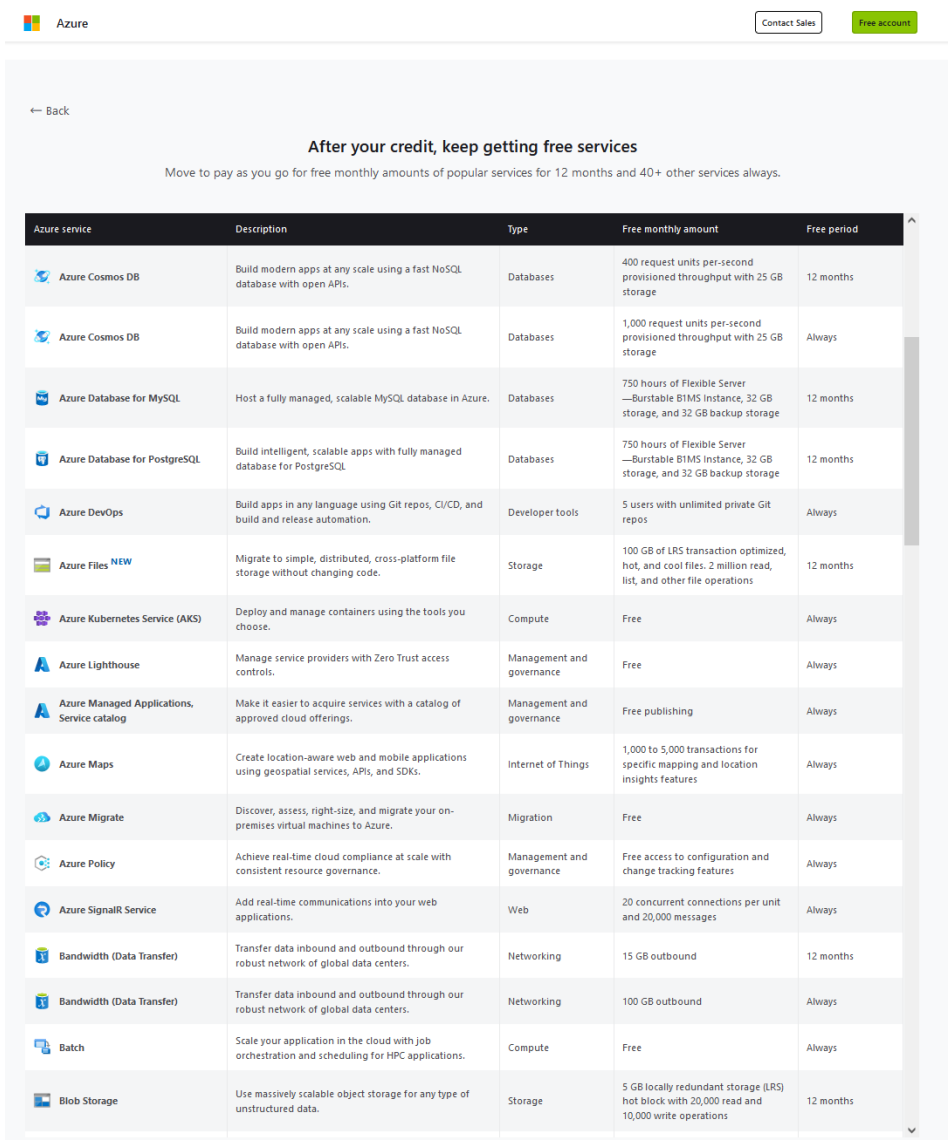
Try Azure for Students





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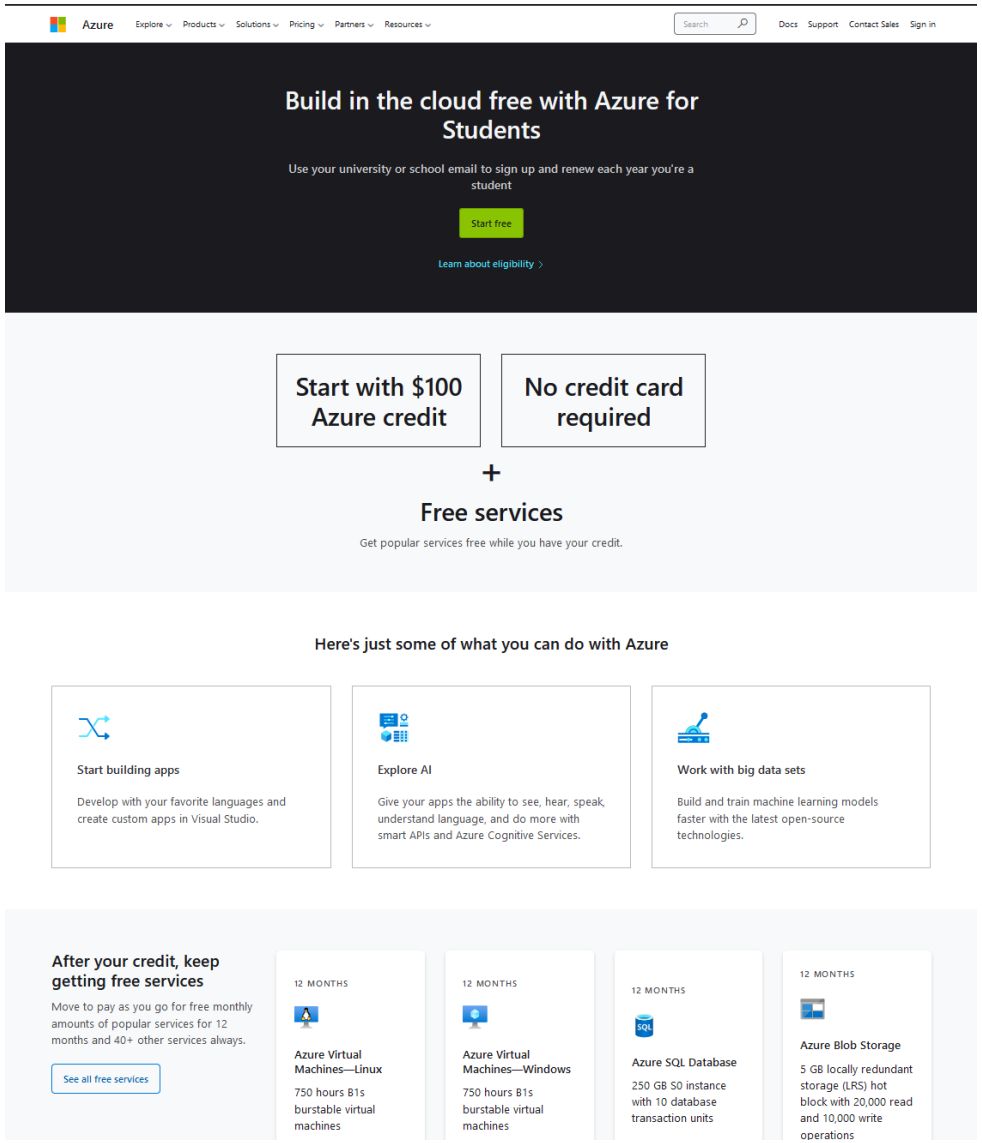
Try Azure for Students



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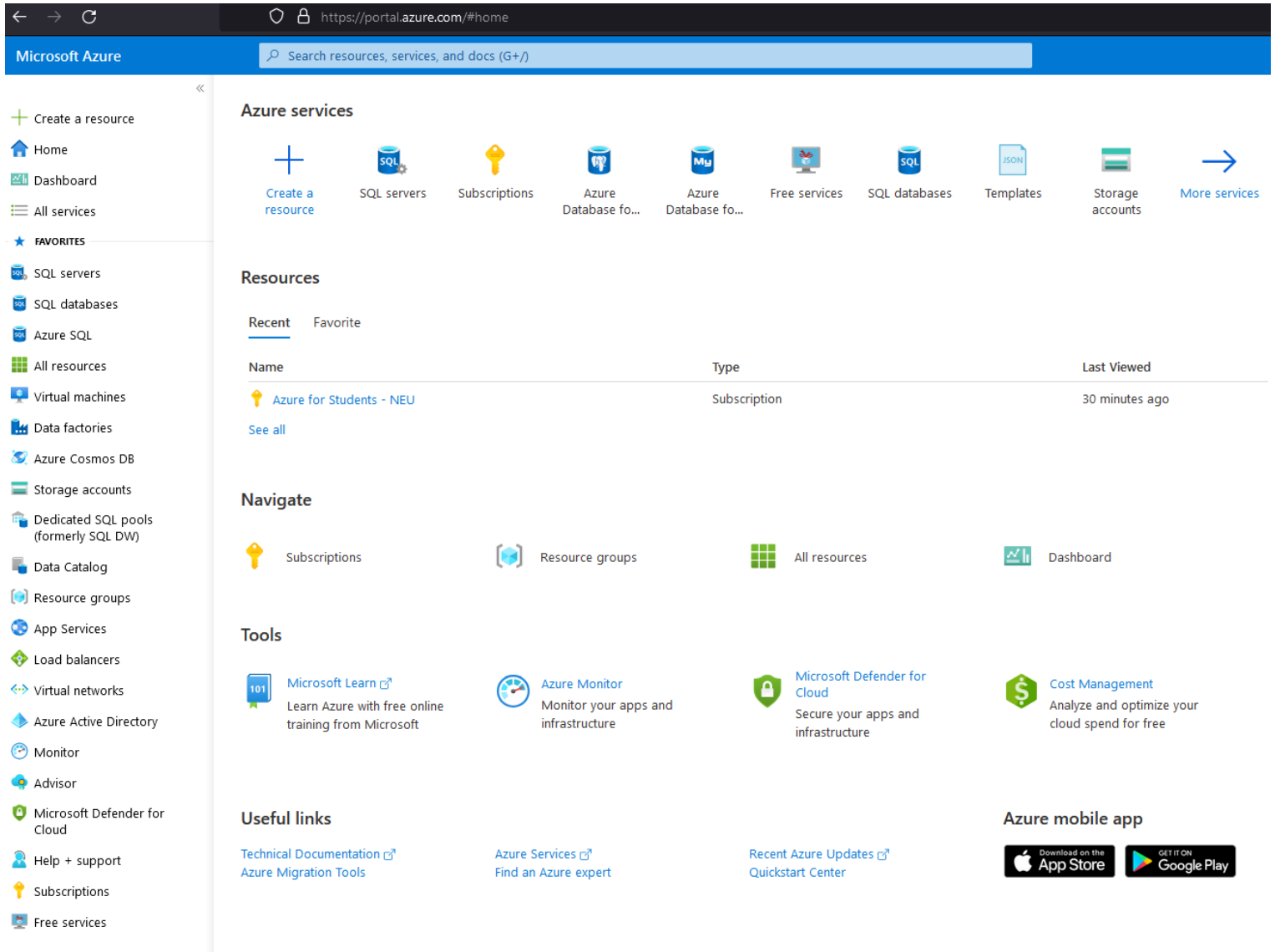
Azure Portal



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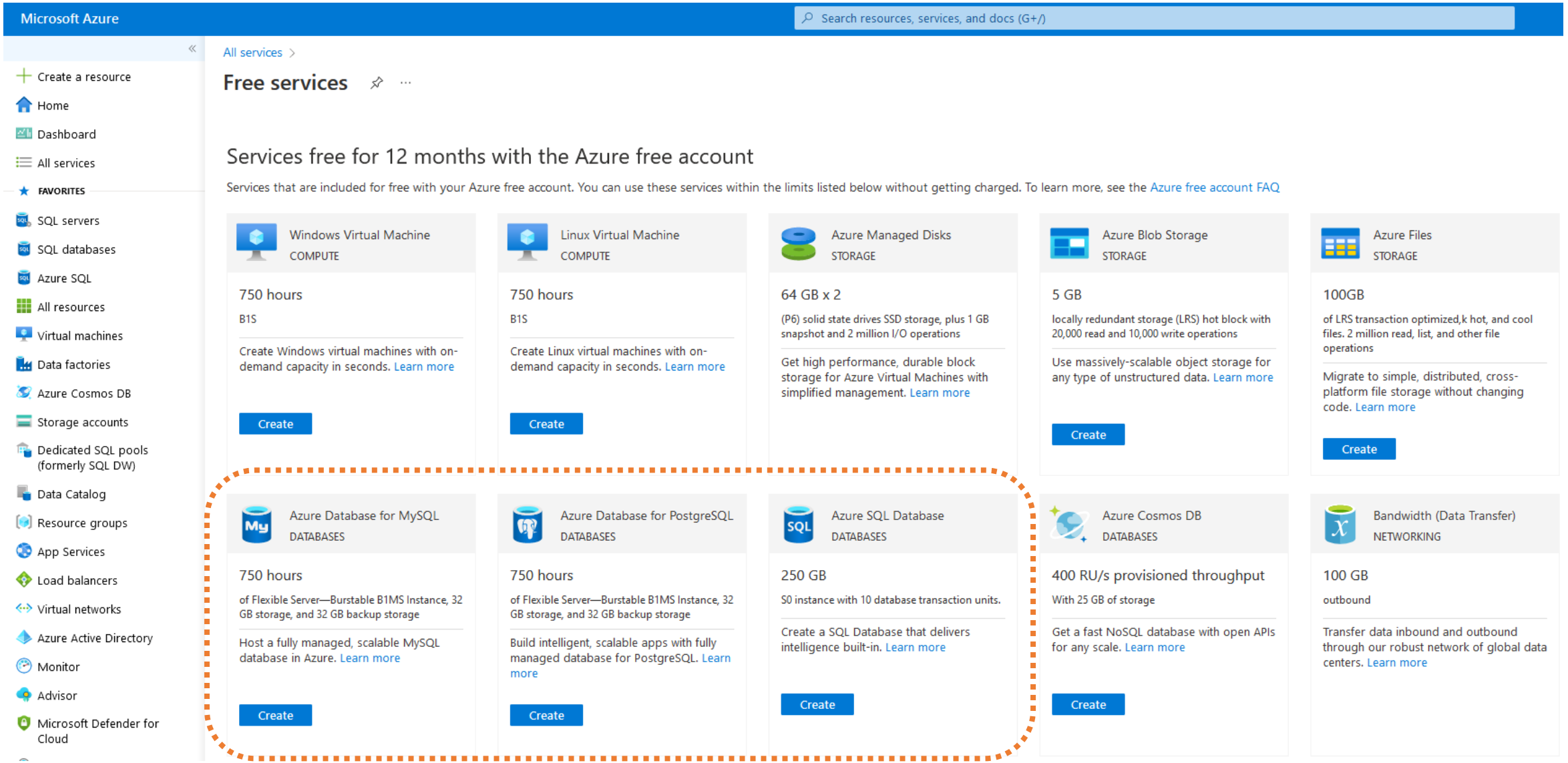
Microsoft Azure: 3 Databases (Free for 12 months)



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Create Database on Azure

- Azure SQL Database

- Azure Database for MySQL server

- Azure Database for PostgreSQL server

NOTE: Configure to reduce cost *use “Free for 12 months” configuration*

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Workshop: Create Database

- Create & modify Portal dashboard

- Create resource group
  - fyi: pick Azure region that will use for all resource in group

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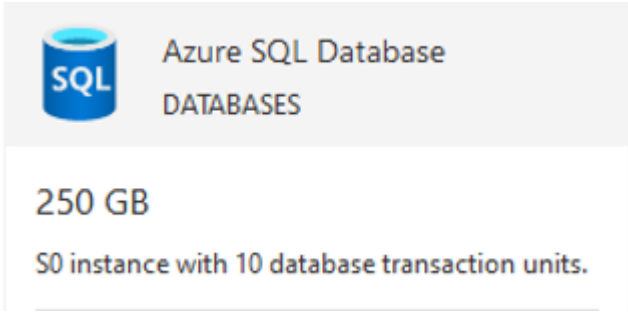
Create Database: Azure SQL

Microsoft Azure SQL Database

- Create or use existing resource group

- Create Azure SQL Server (dbms server)

- Create Azure SQL database
  - Configure to reduce cost *use “Free for 12 months” configuration*
  - Set firewall rule
  - Create database with sample data
  - Save admin account and password
  - Copy connection strings



- Query data

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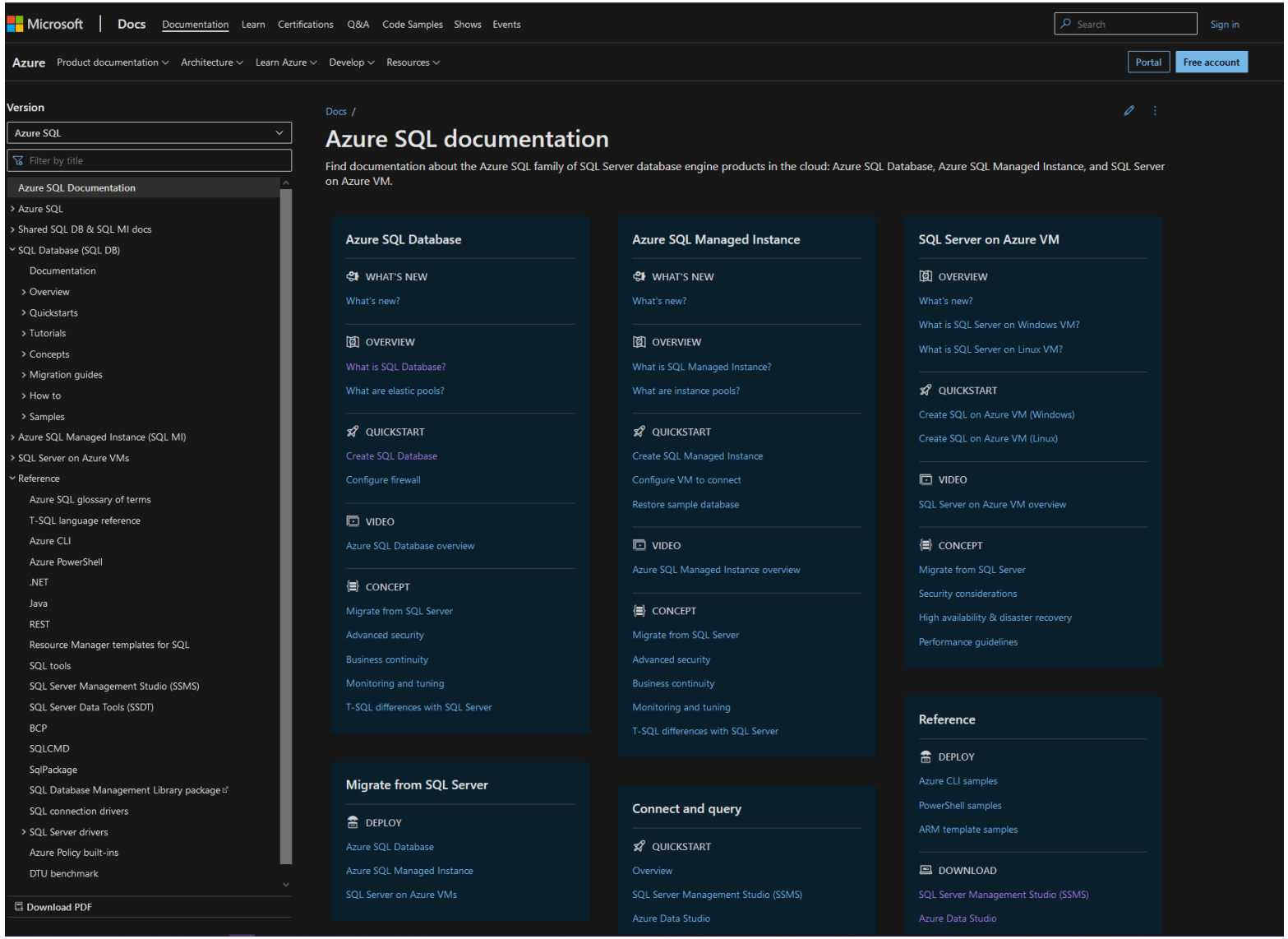
Azure SQL documentation



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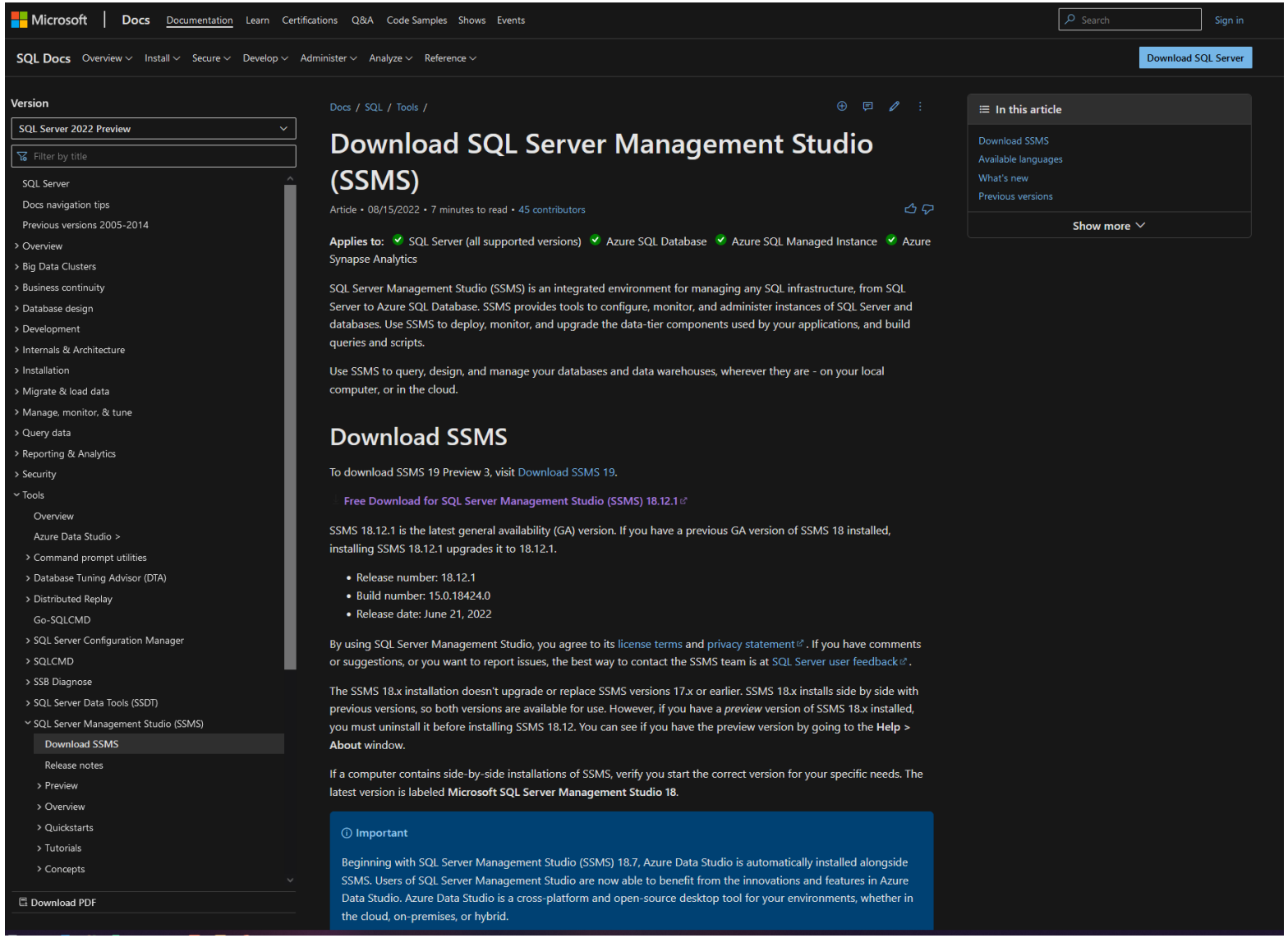
Download SQL Server Management Studio (SSMS)



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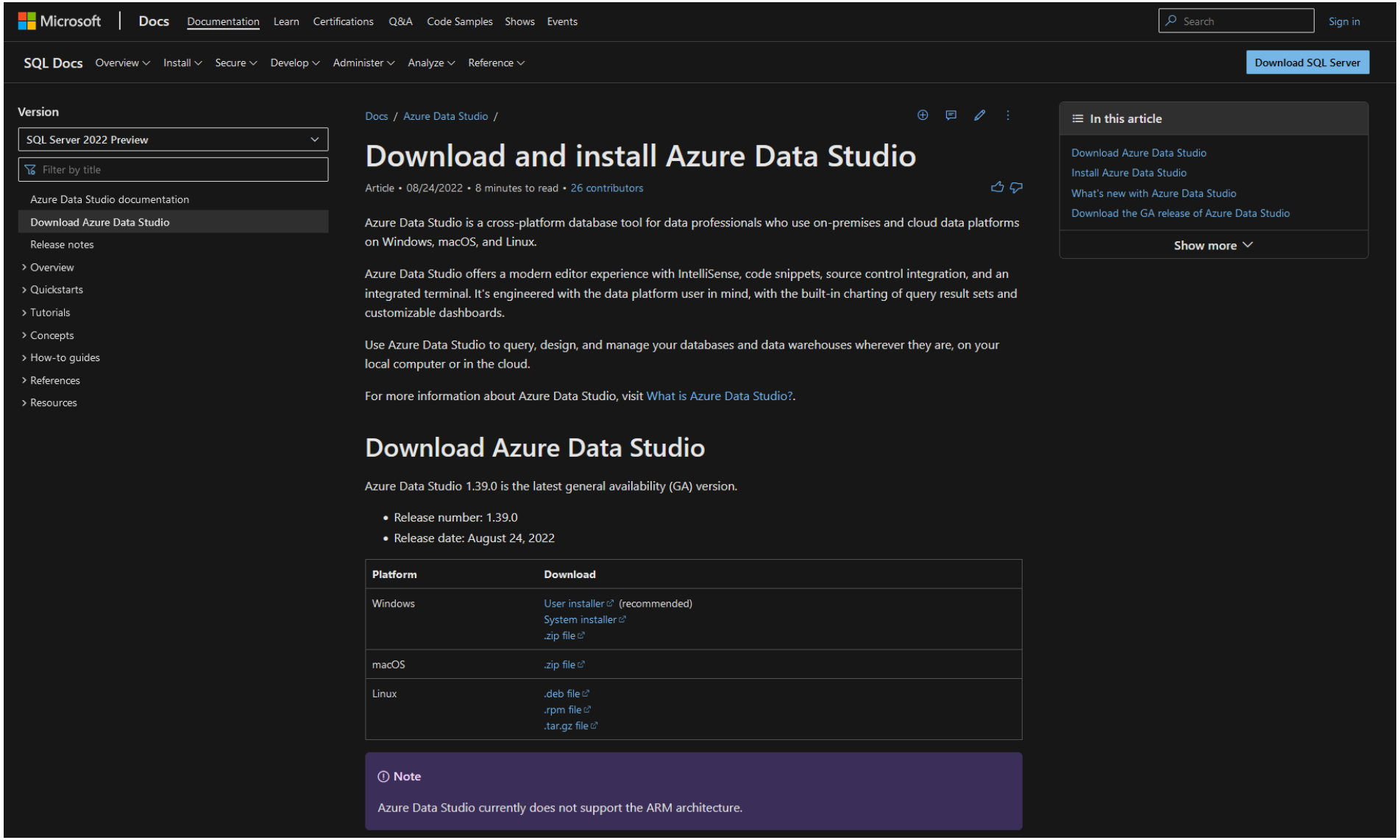
Download and install Azure Data Studio



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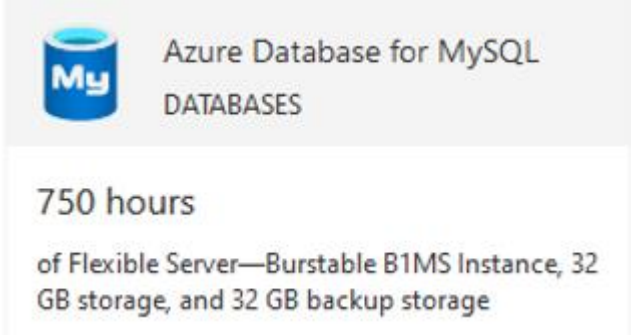
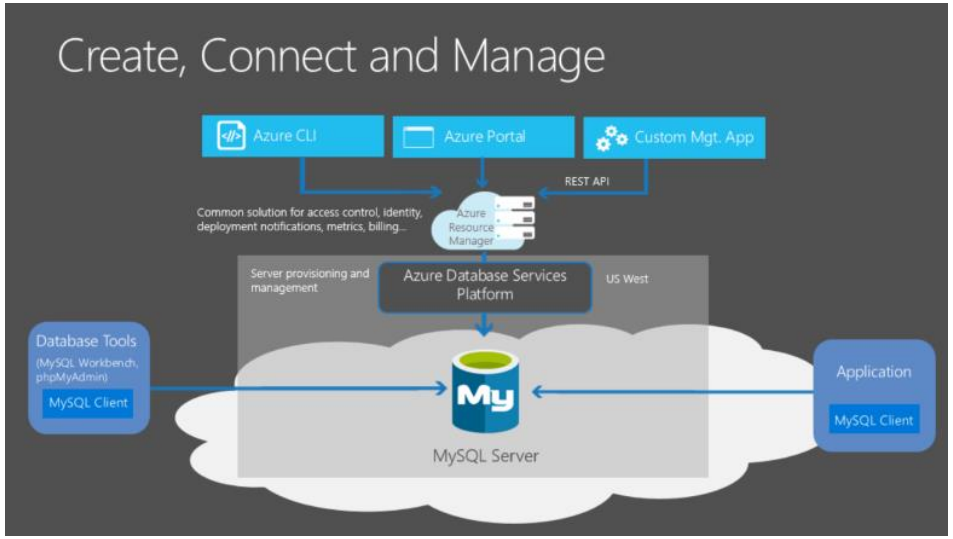
Create Database: Azure Database for MySQL

Azure Database for MySQL

- Create or use existing resource group
- Azure Database for MySQL server
  - Configure to reduce cost *use Free for 12 months configuration*
  - Set firewall rule
  - Save admin account and password
  - Copy connection strings





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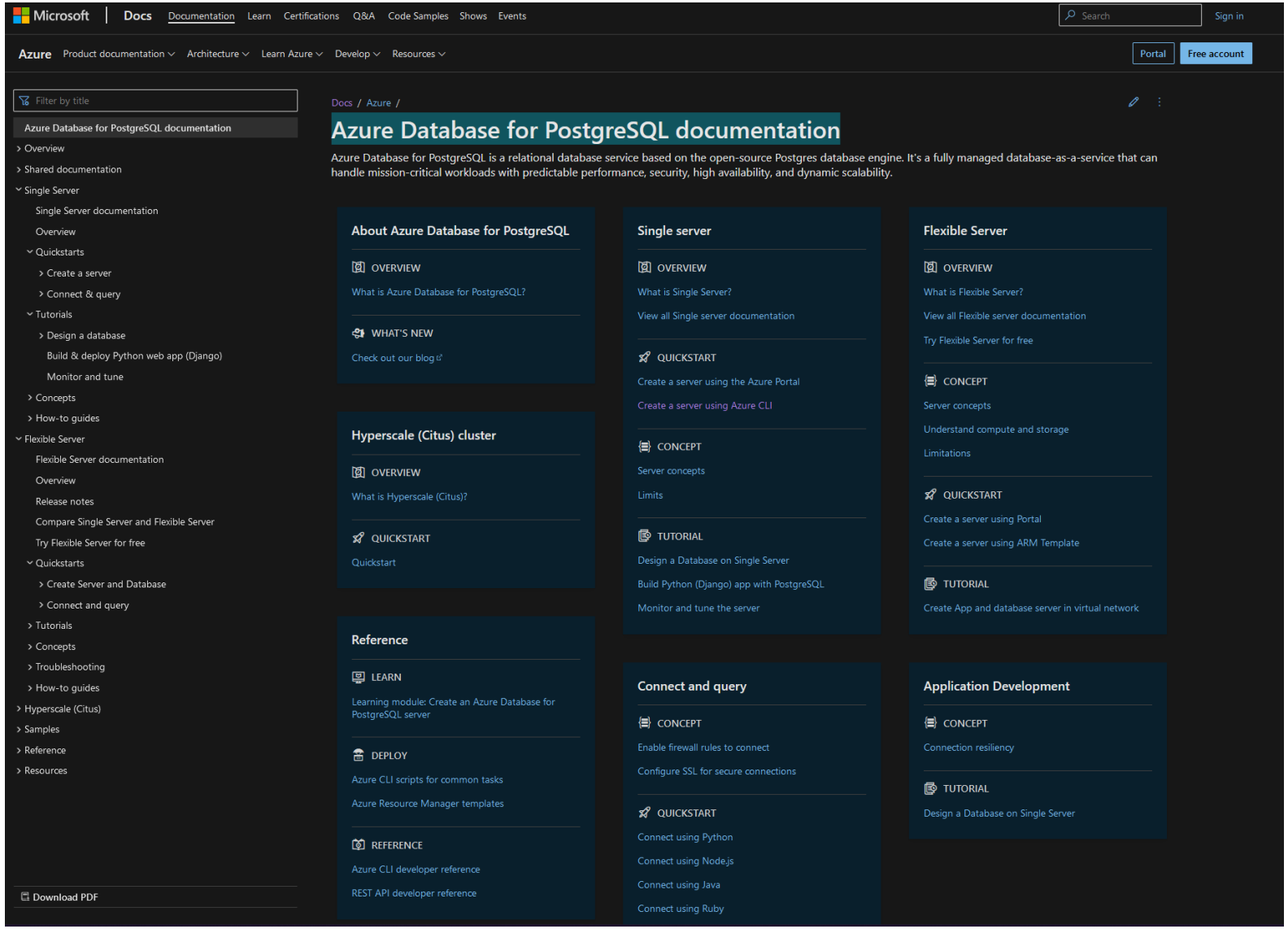
Azure Database for MySQL documentation



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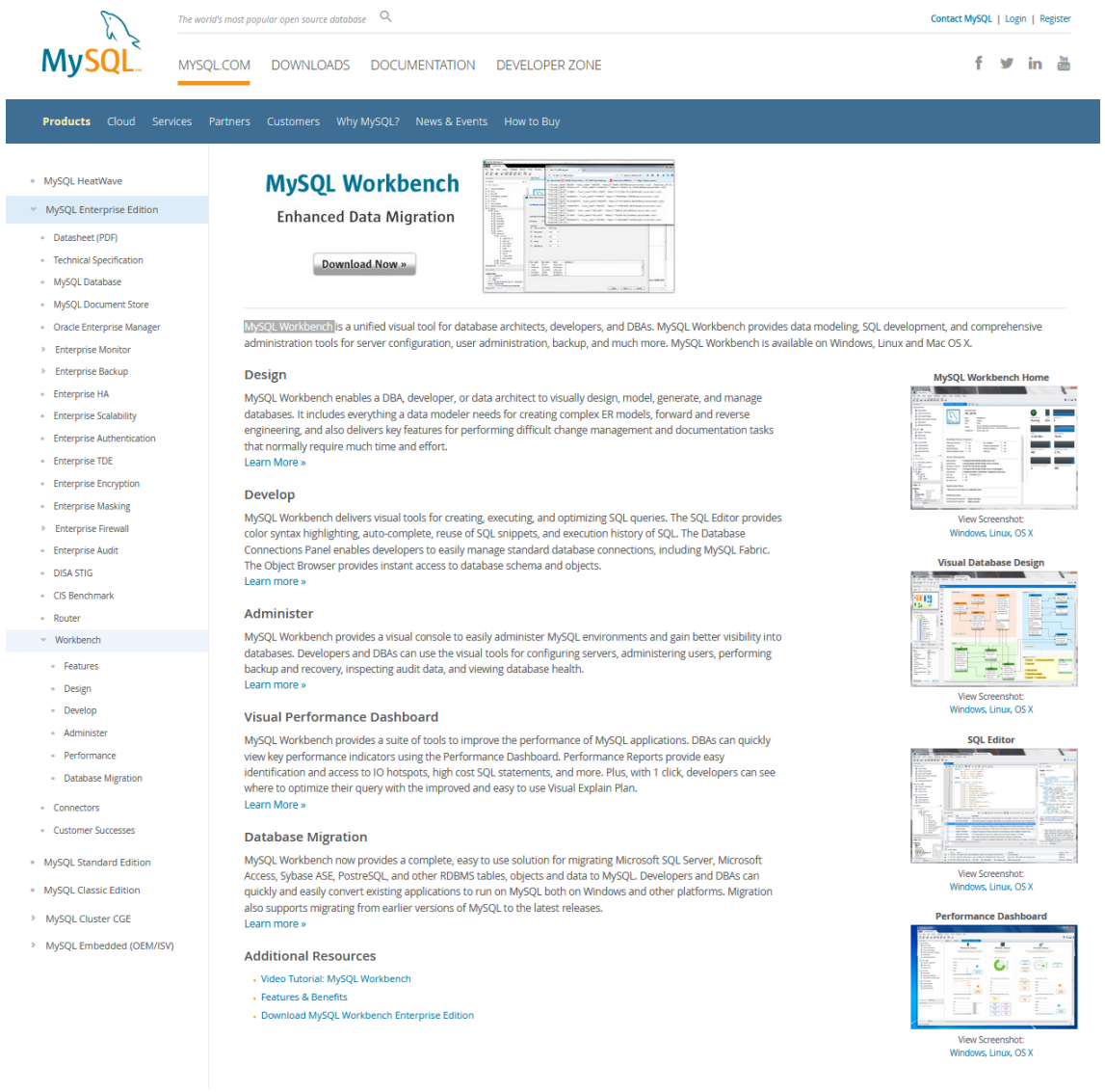
MySQL Workbench



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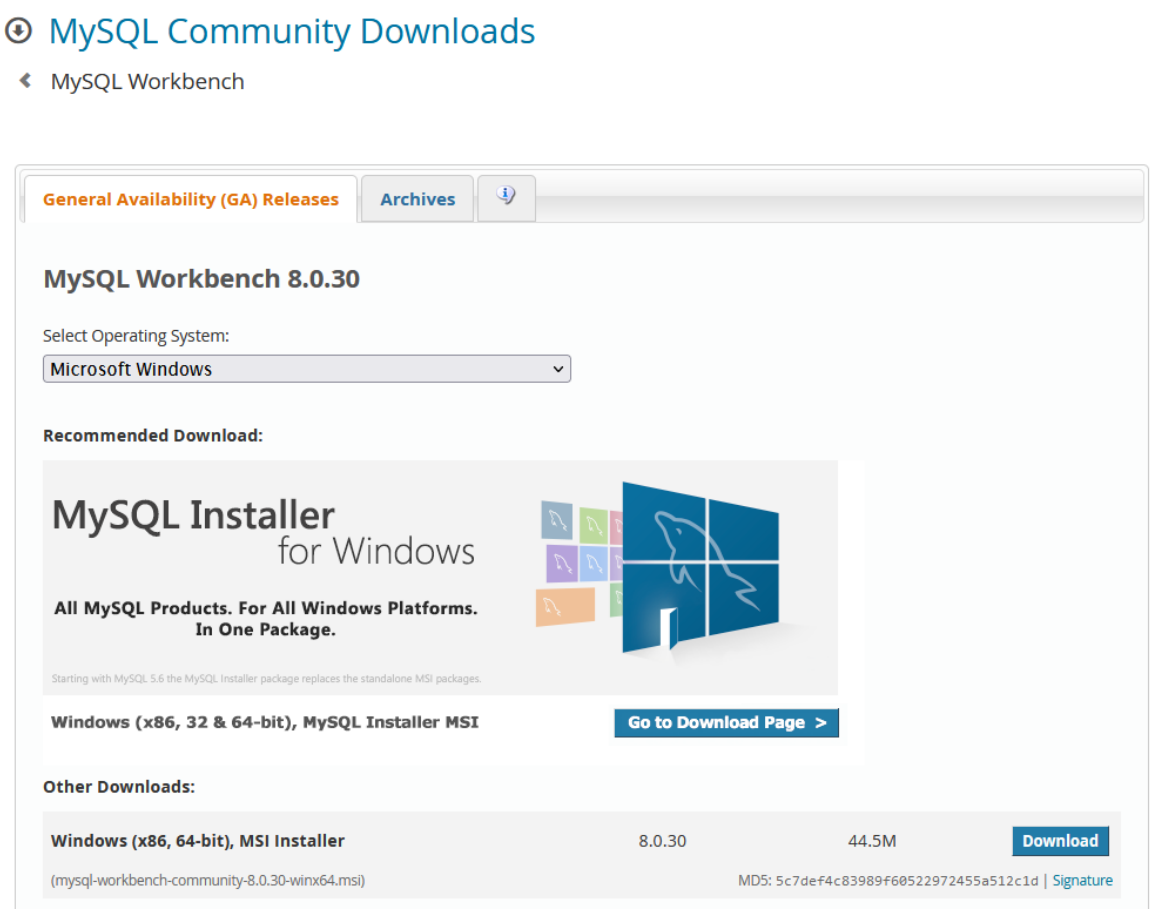
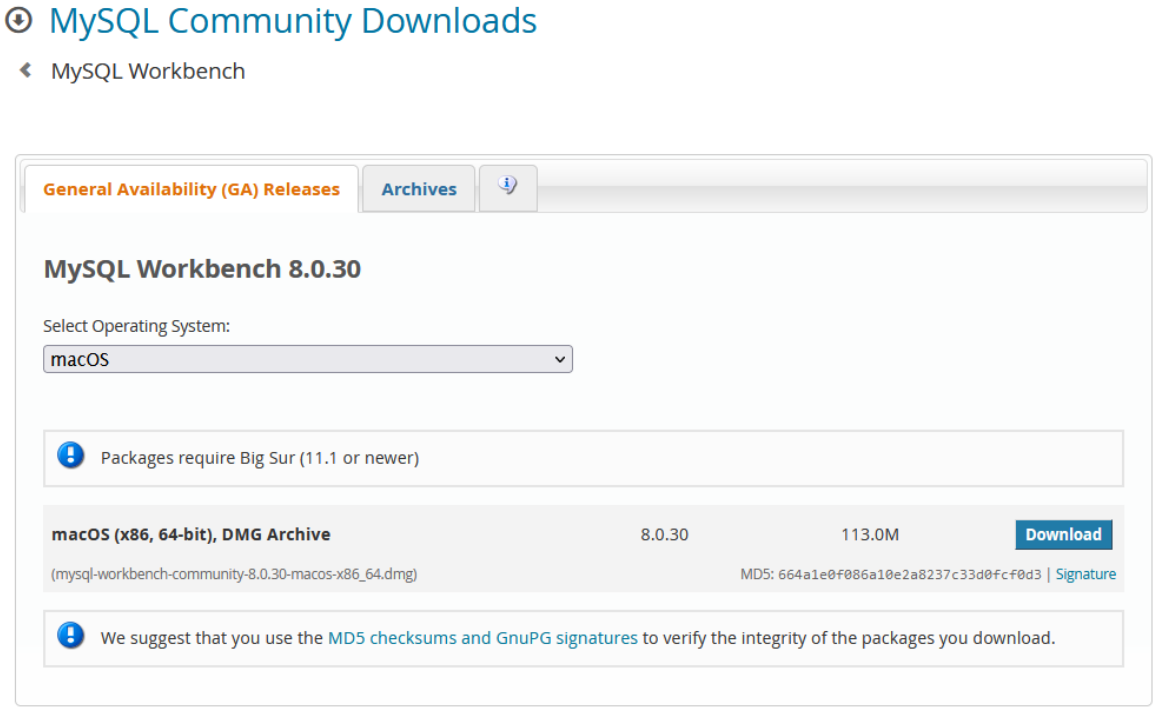
MySQL Community Downloads





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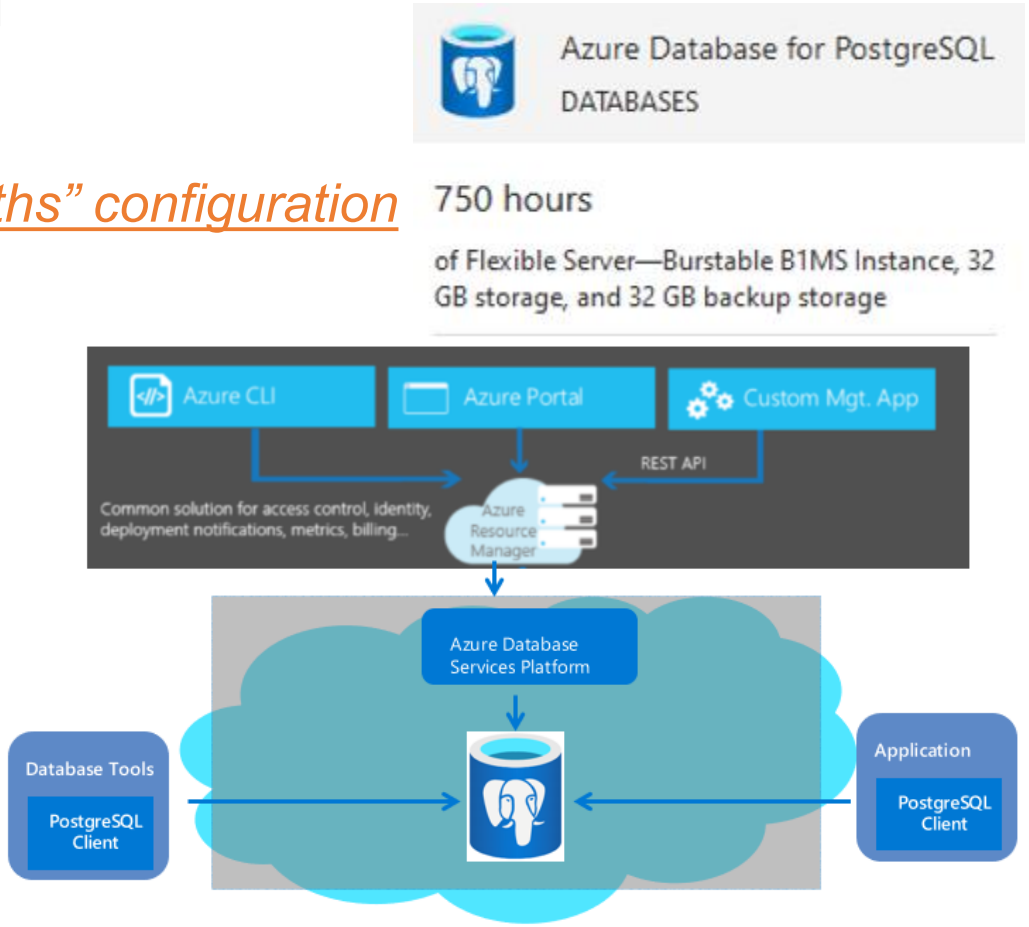
Create Database: Azure Database for PostgreSQL server

Azure Database for PostgreSQL server

- Create or use existing resource group
- Azure Database for PostgreSQL server
  - Configure to reduce cost *use “Free for 12 months” configuration*
  - Set firewall rule
  - Save admin account and password
  - Copy connection strings



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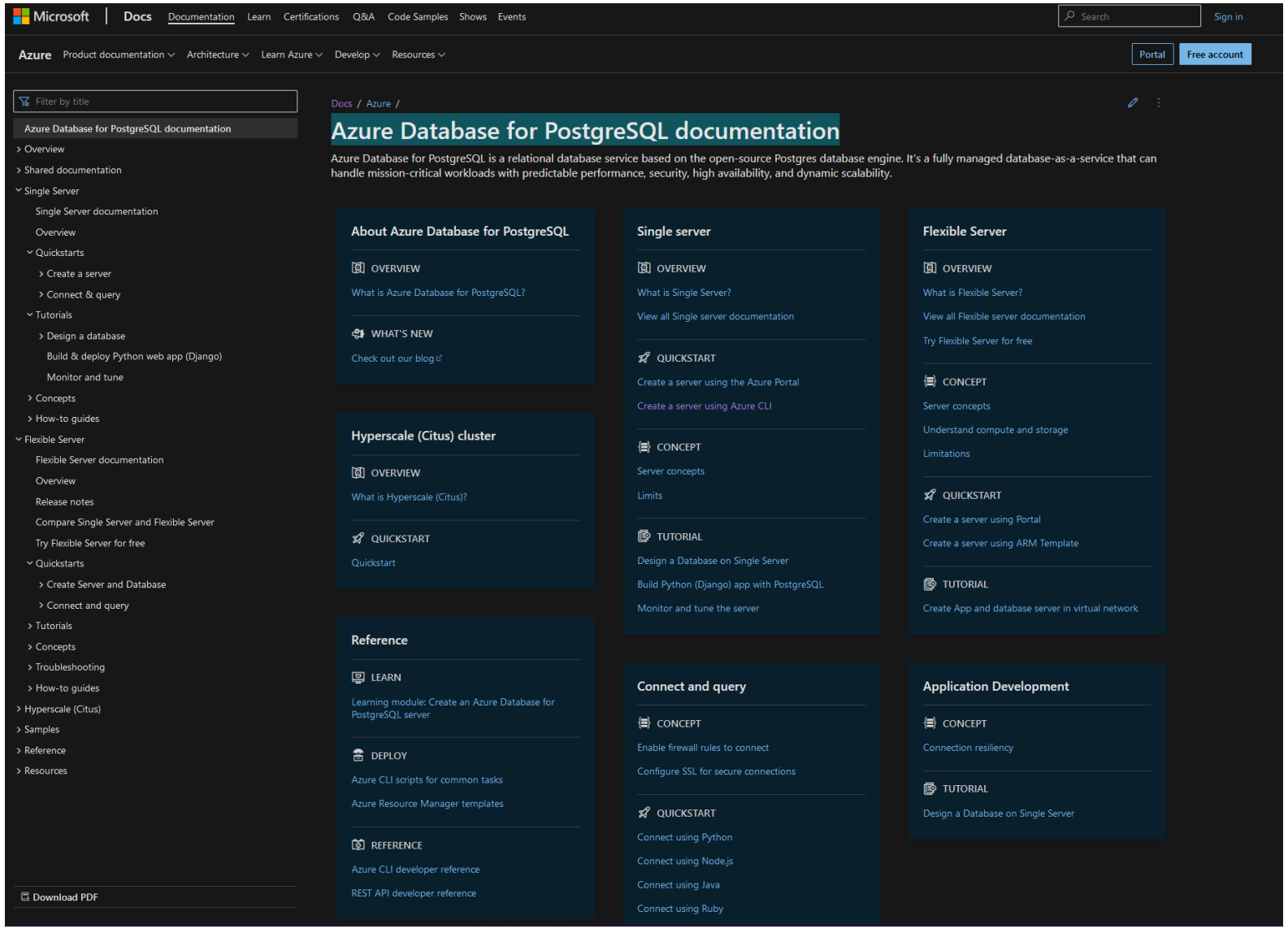
Azure Database for PostgreSQL documentation



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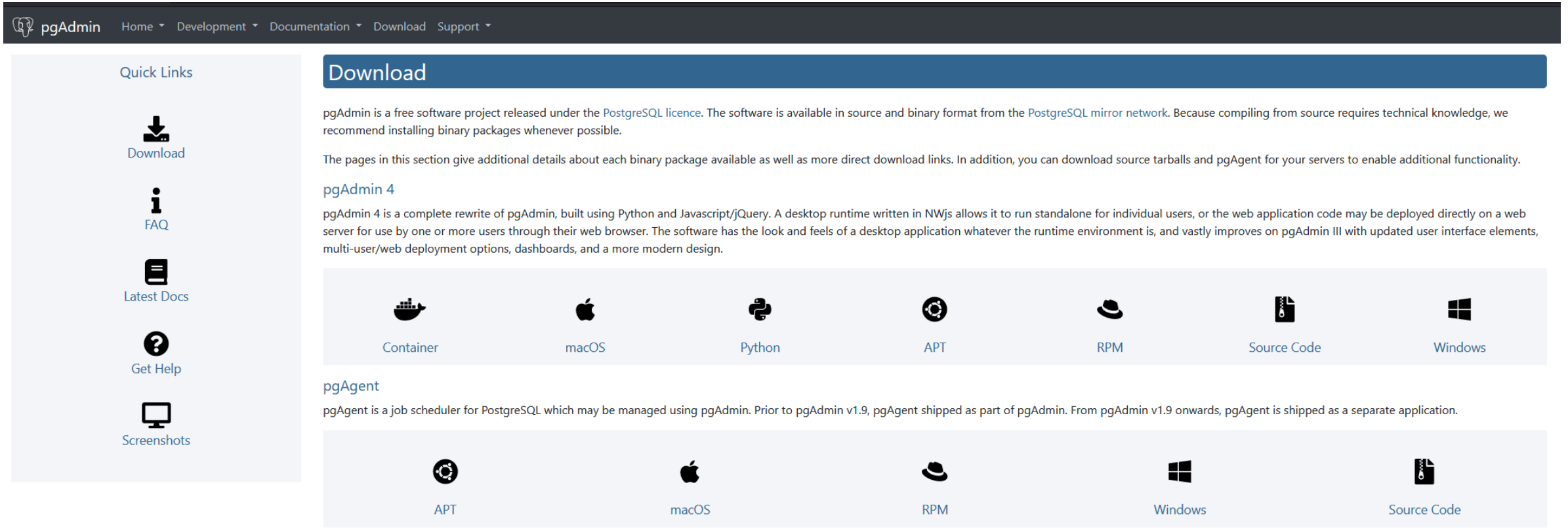
pgAdmin download



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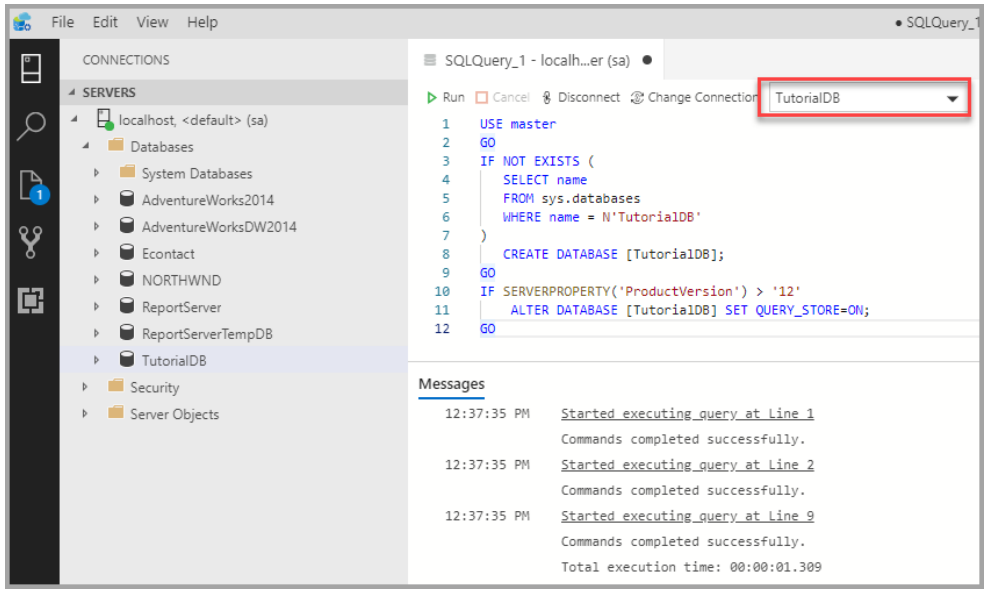
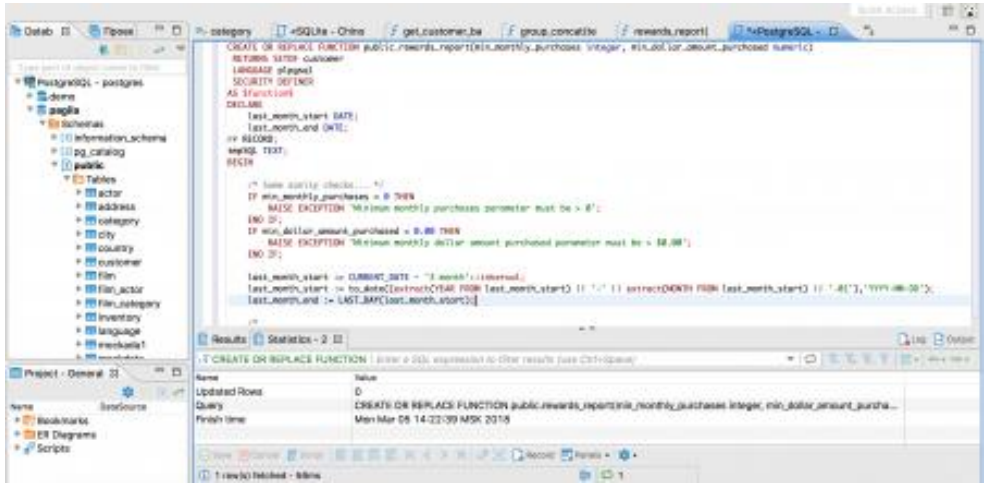
Workshop: Tools Used for Query

- Azure built-in query editor



- Azure Data Studio
  - Azure Data Studio
  - Setup Data Connection
  - Query database
  - Fyi: add-ins

- DBeaver



  - Setup Data Connection
  - Query database

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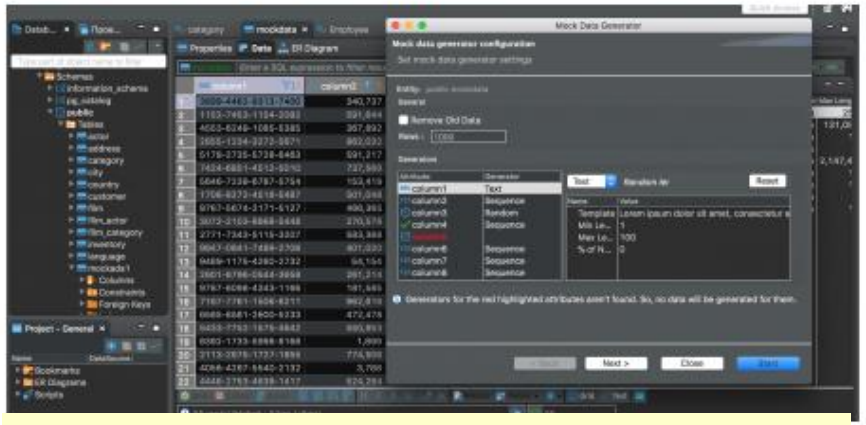
Universal Database Tool

Free multi-platform database tool for developers, database administrators, analysts and all people who need to work with databases. Supports all popular databases: MySQL, PostgreSQL, SQLite, Oracle, DB2, SQL Server, Sybase, MS Access, Teradata, Firebird, Apache Hive, Phoenix, Presto, etc.

Download



- **Windows (installer)**
- Windows (zip)
- **MacOS for Intel (dmg)**
- **MacOS for M1/Silicon (dmg)**

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DBeaver Community 22.1.5

Released on August 22th 2022 (Milestones).
It is free and open source (license).
Also you can get it from the GitHub mirror.

Windows

- **Windows (installer)**
- Windows (zip)
- Install from Microsoft Store
- Chocolatey (`choco install dbeaver`)

Mac OS X

- **MacOS for Intel (dmg)**
- **MacOS for M1/Silicon (dmg)**
- Brew Cask (`brew install --cask dbeaver-community`)
- MacPorts (`sudo port install dbeaver-community`)

Linux

- **Linux Debian package (installer)**
- **Linux RPM package (installer)**
- Linux (zip)
- Linux (zip without Java included)
- Linux ARM (zip without Java included)

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