Azure DB Deployment Guide

Purpose

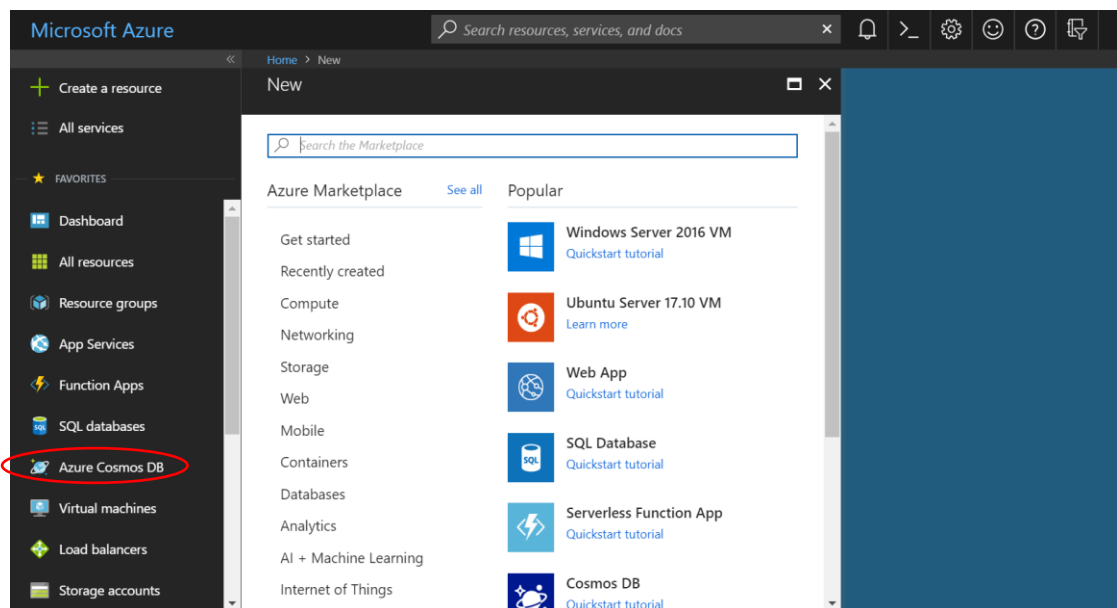The following guide describes the procedure of deploying the DB on Azure.

General

In order to store data persistently, Roommates platform includes a DB module. The DB we chose to use is MongoDB (see MongoDB tutorial @ our Wiki).
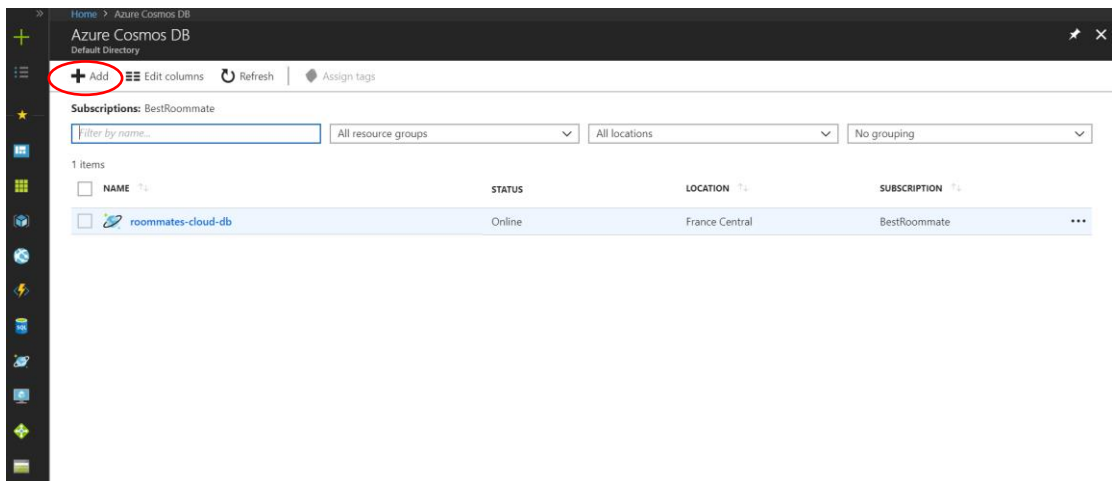We can use Cosmos DB (on azure) which is a globally distributed database for low latency and massively scalable applications, with native support for NoSQL as our DB.
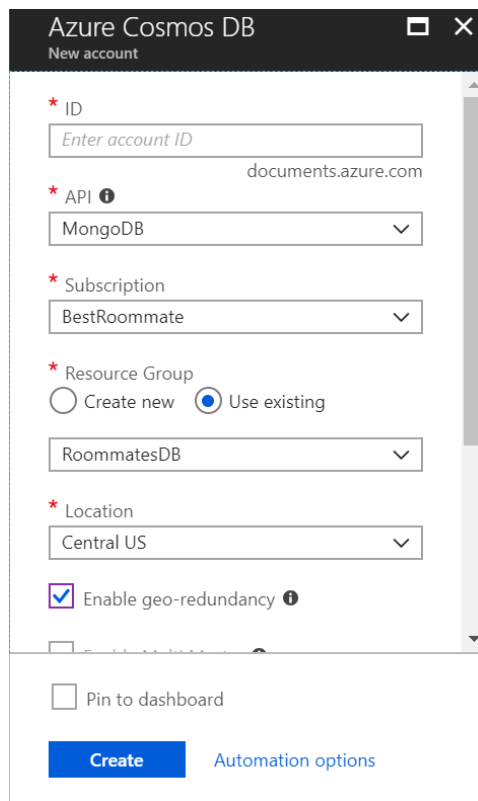
Deployment Steps

1. Login to your Azure portal.
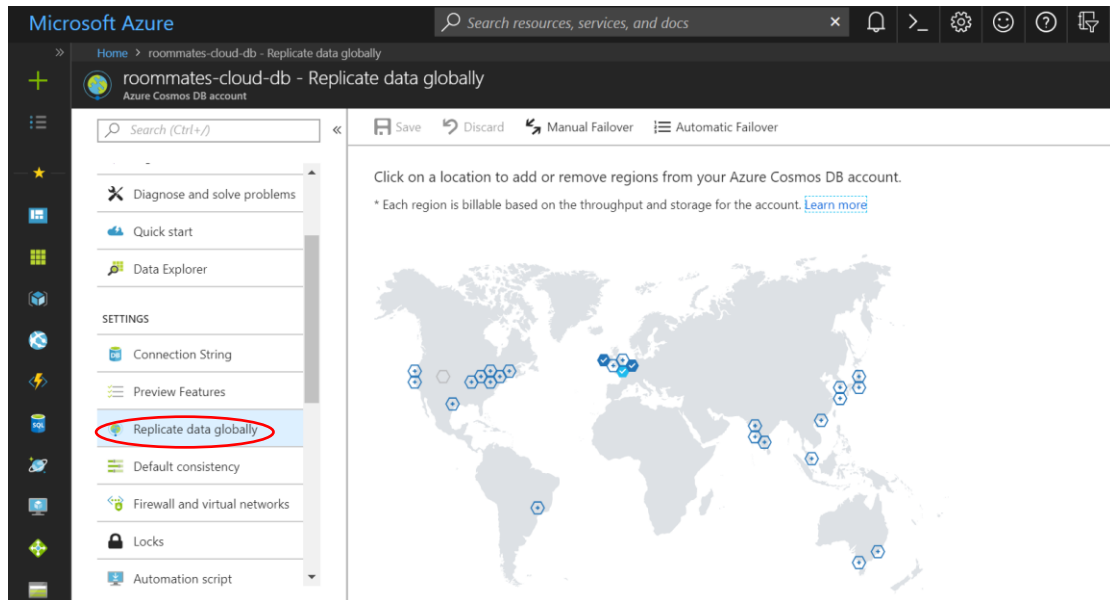2. Choose "Azure Cosmos DB" on the left panel of the dashboard.
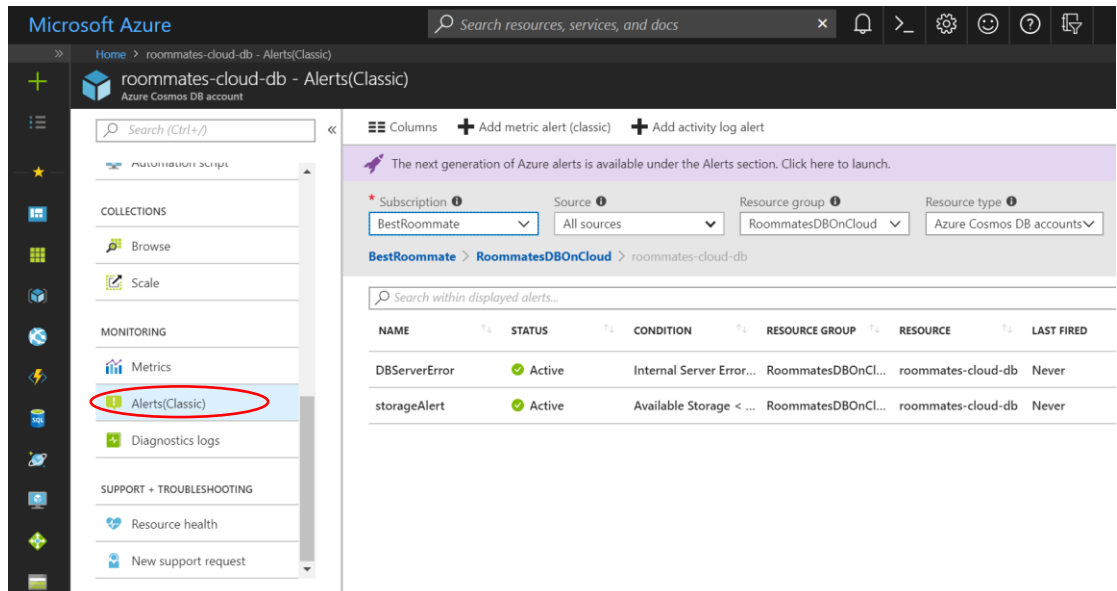
3. Click on "Add"

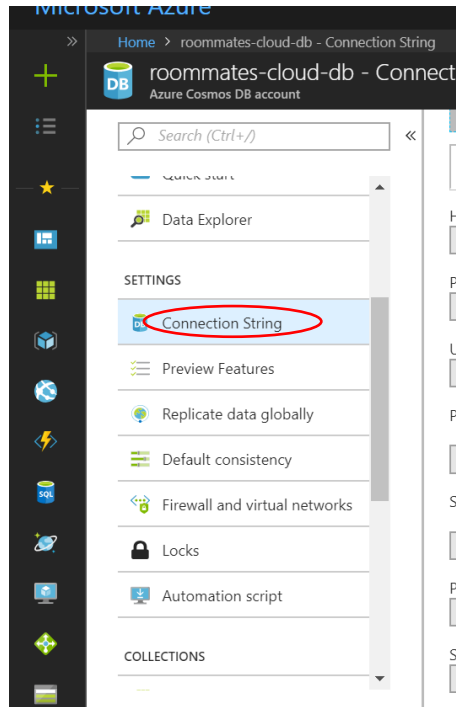4. Configure the DB server by coping the following values and provide a unique ID

5. Once resource created, go to your dashboard and find the instance (according to your chosen id) – click on it.
6. Click on "replica data globally" (left panel) and configure your geo-redundancy (i.e. additional db servers for read):

7. Click on "alerts(classic)" (left panel) and configure your db server alerts (storage, memory, etc.):

8. Go to connection strings

And set PRIMARY CONNECTION STRING as the value of the environment variable representing the MongoDB URI connection string.