PowerShell Administration

- Azure CLI Installation
- Cosmos DB - Azure CLI Commands

General

- Consistency, availability, and performance tradeoffs
- Multimaster
- How to calculate Request Units in Azure Cosmos DB
- RU Calculator
- Cosmos DB Service Quotas
- Monitoring Azure CosmosDB

Cosmos-DB Core SQL

Functionalities

- Geospatial Data
- Working with Dates
- Indexing (Managing Index Policy)
    - 10th of May
      Hi, As part of the SDK upgrade, we are evolving the index policy to align with a new index layout we have rolled out to new containers. With this new layout, all primitive data types are indexed as Range with full precision (-1), and this is not configurable by the user anymore. Therefore this is not exposed to the user anymore, to avoid confusion. Going forward, users need to simply add paths to the includedPaths section, and ignore indexKinds and precision.

From <https://github.com/Azure/azure-cosmosdb-java/issues/93>

- Serverside Programming
- Change Feed
- Transactional Batch (**Watch Limitations!**)
- SQL Query Getting started

Tools

- Query Playground
- Capactiy Calculator

SDK

- Microsoft.Azure.Cosmos SDK V3 (Nuget, Usage Samples, Source)
- Microsoft.Azure.Cosmos SDK V4 Preview 3 (Nuget)
  Differences to V3 (System.Text.Json, Azure.Core.Pipeline,…)

Gremlin-Graph

- Wire Protocol Support

Mongo-DB

- Custom MongoDB Commands
- Announcement Support Wire Protocol 3.6
- Documentation on Wire Protocol 3.6 Support in CosmosDB
- Mapping between MongoDB and Azure Cosmos DB consistency levels
- TTL Indexes
- Change Streams (Change Feed)

Cassandra - DB

- Mapping between Apache Cassandra and Azure Cosmos DB consistency levels
- CQL Predicate - Change Feed

Jupyter Notebooks / Analytics Spark

- Overview Jupyter Notebooks
  - Enable Notebooks in CosmosDB Account
- Azure Databricks Spark Connector
  - Solution Scenarious
  - Transactional and analytics storage for CosmosDB

- Azure Synapse Analytics (private preview)

Azure Core Library (Used by newest SDKs)

Understanding the Azure Core Library