



WHY YOU SHOULD THINK TWICE BEFORE CHOOSING COSMOS DB

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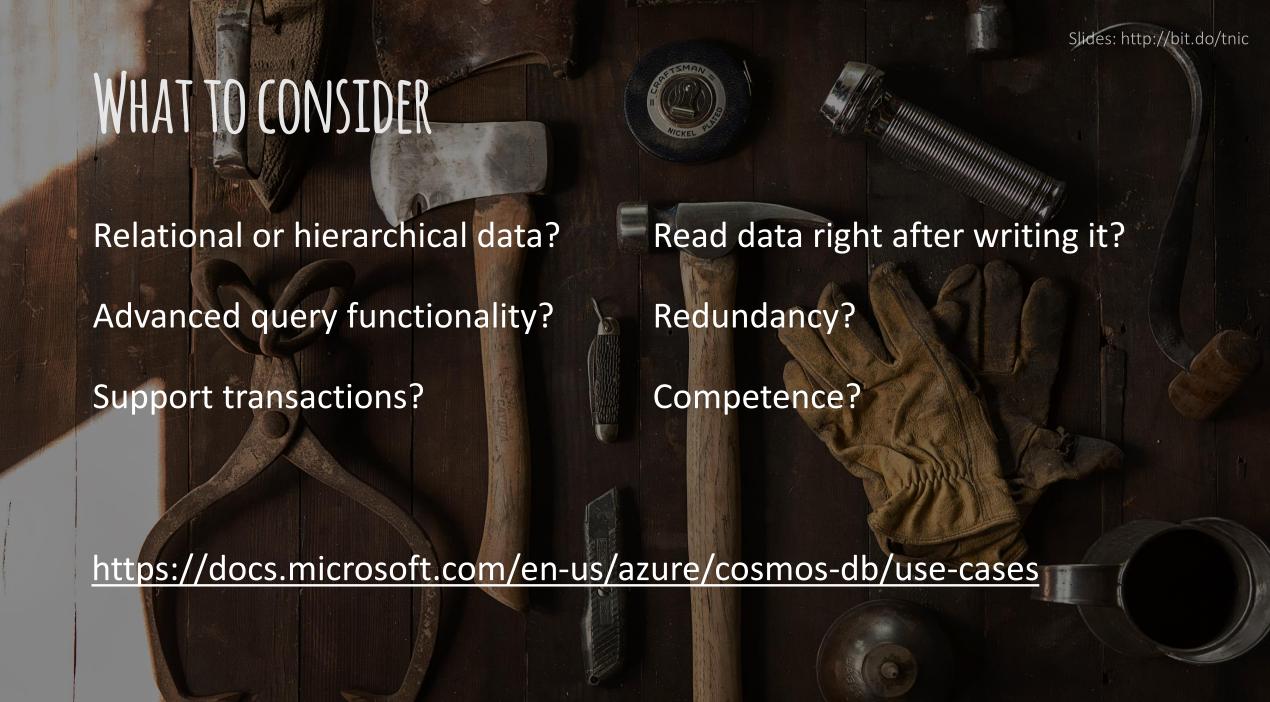
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Parts of this talk might be outdated in the future

Microsoft has a list of all feedback with status https://feedback.azure.com/forums/263030culpa deserunt sing at magna de commodo elit rugiat elit r azure-cosmos-db Anim laboris ulla

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DESIGN CONSIDERATIONS

Do you need consistency?

Is response time important?

Can conflicts happen?

Who resolves conflicts?

How do you handle fault scenarios?

How many reads and writes?

Queries or lookups?

IMPLEMENTATION TIPS

Choosing a partition key is hard – choose wisely

Set aside time for experimentation

Use ETags to get optimistic concurrency

Plan for HTTP 429 – Too many requests

Look into techniques like CQRS and Event Sourcing





REQUEST UNIT USAGE IS HARD TO PREDICT

Everything costs RUs

- Azure Function reading the event feed
- Indexer after changes
- Triggers and stored procedures

Little documentation on how the cost changes with more data

Wrong design can end up with a very costly system

LIMITED PLATFORM SUPPORT

Officially supported SDKs are available for

- .NET
- Java
- Python
- Node

Tooling is lacking on other platforms than Windows

SIMPLE ON THE OUTSIDE, COMLPEX EVERYWHERE ELSE

Few things to configure

Easy to get started

No details about internal workings

Complexity is pushed to applications and clients



