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Best practices for migrating to Amazon DocumentDB

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Agenda

Migration process

Migration methods

Tools

Open discussion/Q&A

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Migration process

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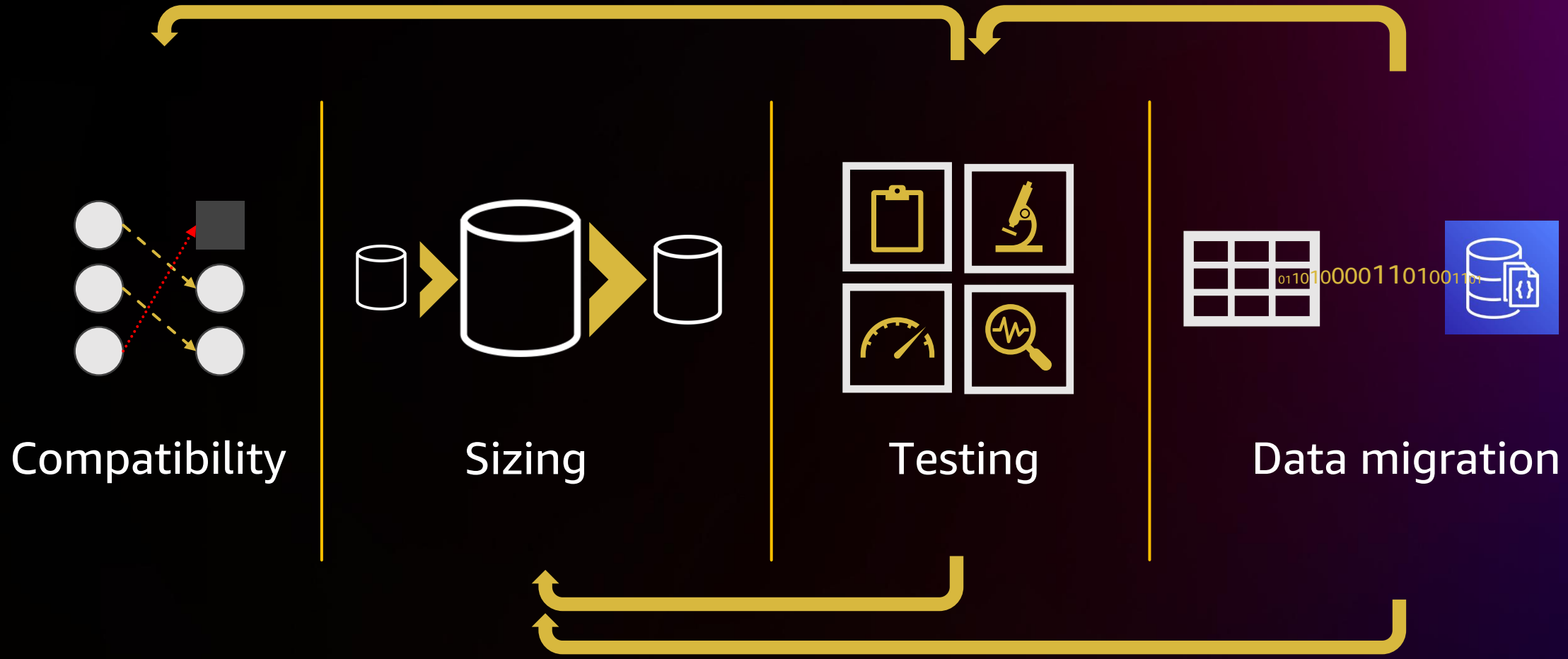
Migration process



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Migration methods

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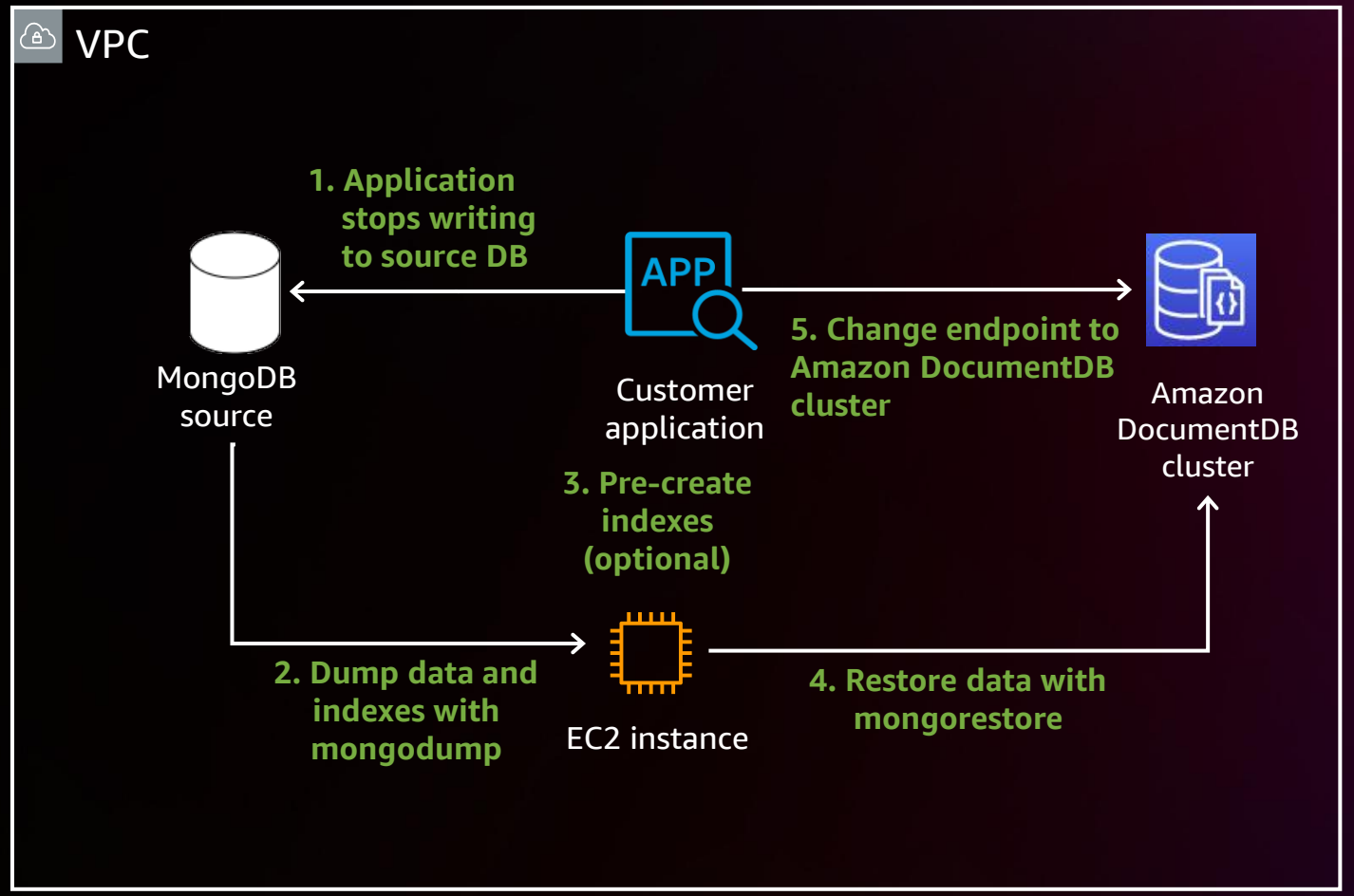
Migration methods – Offline



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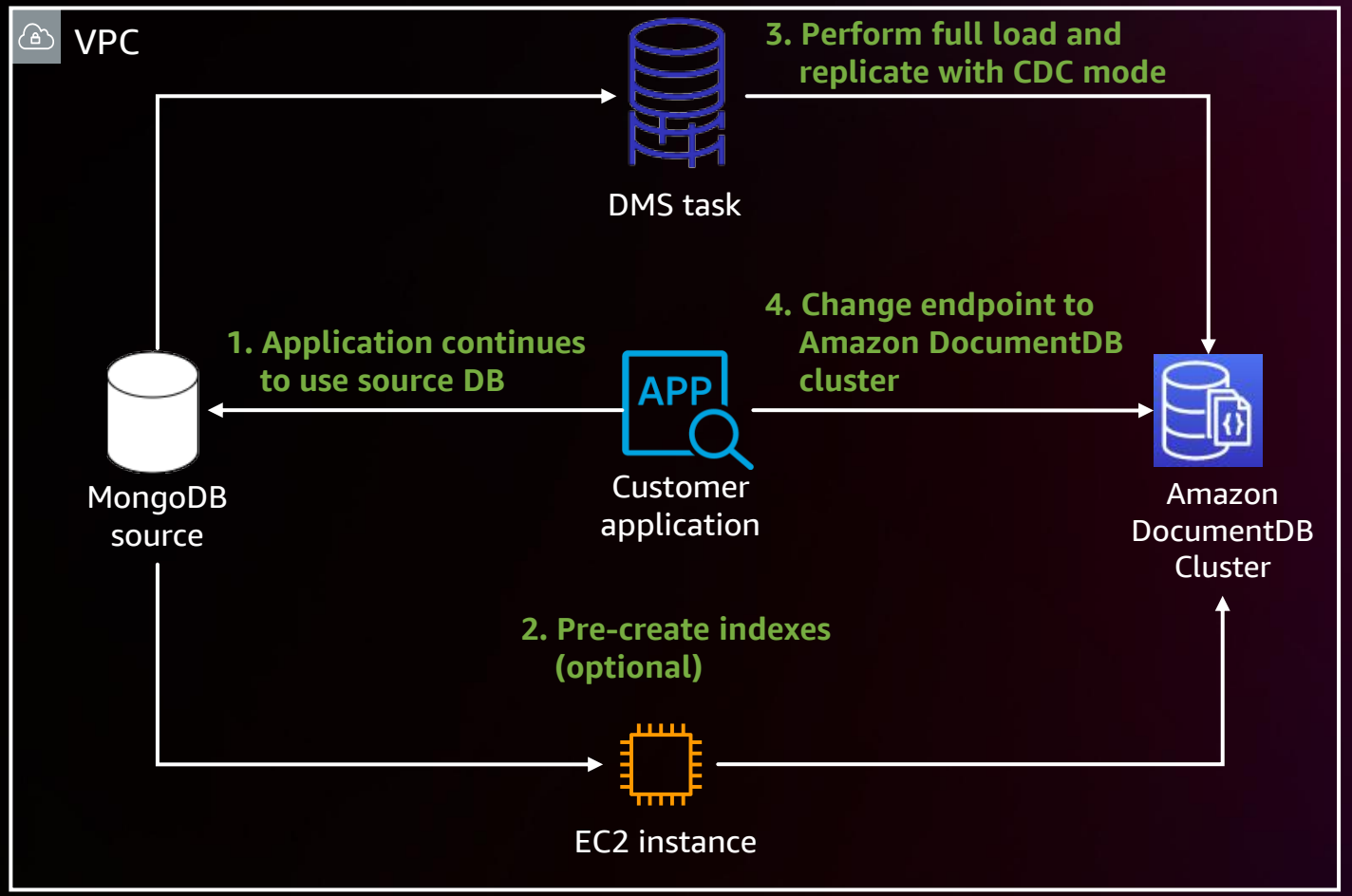
Migration methods – Online



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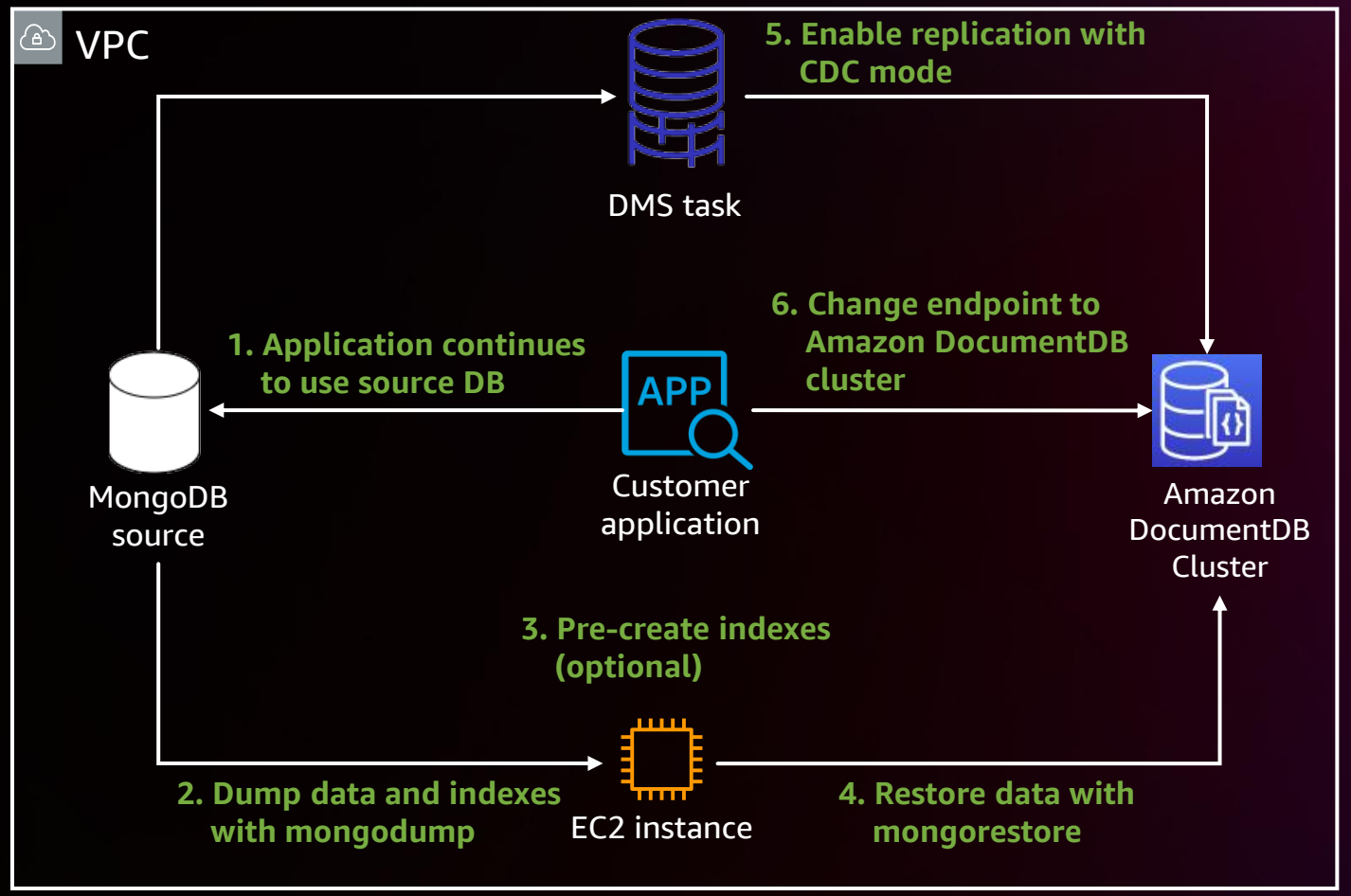
Migration methods – Hybrid



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Tools

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AWS Database Migration Service (AWS DMS)

Start a replication instance

Connect to the source and target

Select tables, schemas, or databases

Let AWS DMS create the target objects

Move data and synchronize objects

Switch applications when ready

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Compatibility tool

MongoDB API compatible

- Applications, drivers, and tools can be used with Amazon DocumentDB with little or no change
- Supports hundreds of APIs, operators, and stages

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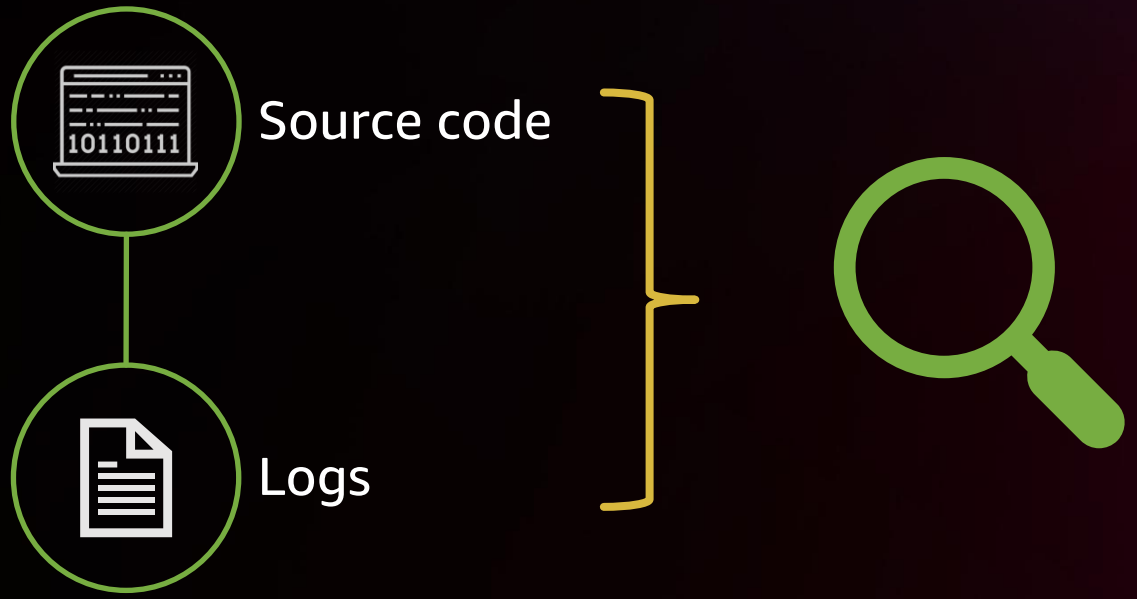
Compatibility tool



https://github.com/awslabs/amazon-documentdb-tools/tree/master/compat-tool

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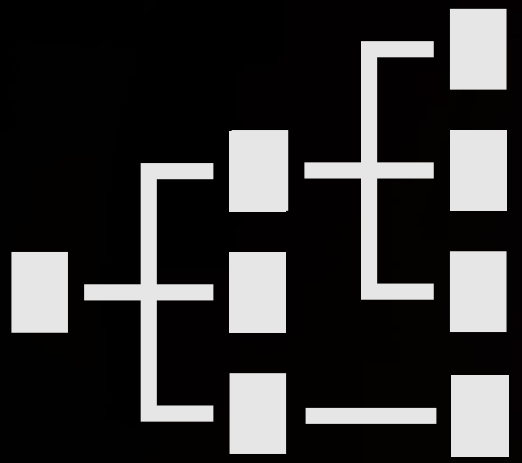
Index tool



- Migrate indexes between source MongoDB and Amazon DocumentDB
- Find potential compatibility issues
- Run against database or existing dump created with the mongodump tool

https://github.com/awslabs/amazon-documentdb-tools/tree/master/index-tool

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Change data capture (CDC) synchronization tool

- Enables high-speed change data capture from MongoDB source to Amazon DocumentDB
- Uses change streams for Amazon DocumentDB migrations

https://github.com/awslabs/amazon-documentdb-tools/tree/master/migration/migrator

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Open discussion/Q&A

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Thank you!

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