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SYNERGY 2017

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How to Update Your Applications With Managed SQL Connections

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Applications that Already Use SQL

- Migrate to 19.0
- Add a cConnection object to your application object
- Create a Managed Connection
- Run the SQL Connect/Repair Wizard
- Compile and run

Applications that Use the Embedded Database

- Migrate to 19.0
- Add a cConnection object to your application object
- Create a Managed Connection
- Run the SQL Conversion Wizard
- Compile and run

Enough with the slides already...

Optimizing for SQL

- First, determine what your universe is for any particular application
 - Supporting multiple backends (especially continuing to support embedded) may reduce the level of change you want to make
- Hit the low-hanging fruit
 - Identity columns to replace auto-increment columns
 - Add client-only indexes (or even server indexes) that you may have been hesitant to add for fear of slowing down the system
 - Use Runtime indexes
- SQL Filters in Data Dictionaries to move constraints to the server and reduce network traffic
- Take in the View
 - Though many aspects of living in SQL are life-changing, views are the components that may be the best marriage between SQL and DataFlex

Views

- Join data from different tables / databases
- Server side execution
- Include complex filters
- Limit the number of columns returned
- Table structure independence
- Simplify the data structure, especially for reports
 - Team members can do more without needing to be experts in complex, many-layered data structures

Q & A Session

If there is any time left...

A silver laptop is open on a wooden desk. To the left of the laptop is a glass of water. To the right is a smartphone. The background is blurred. The text "Thank You for Your Time" is overlaid in white on the laptop screen.

Thank You for Your Time