

CA 2E Development Update

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2E Track



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In this session we will explore some of the new features currently in development for possible inclusion in future releases of CA 2E.

Join us as we explore the many new features we are researching for CA 2E, including:

2E SQL Enhancements

2E Usability Enhancements

This session will build on what has been discussed during the CA 2E roadmap and will demonstrate a number of the features live.

Agenda

- Moving at the speed of trust.
- 2E SQL Enhancements (Allow RLA access over DDL database)
- Allow SQL/DDDL Generation without hard-coded schema name
- Refresh Action Diagram Statements
- Q&A

Moving at the speed of trust.

All features and dates are subject to change and withdrawal.

2E SQL Enhancements (Allow RLA access over DDL database) – Niraj (15 minutes)

- As a 2E application developer, I need the ability to regenerate a DDS database as DDL, and have my existing functions continue to work correctly, without having to regenerate/recompile them, so that:
 - A) I can get the benefits of a modern DDL database, with improved performance and the functionality which IBM continues to add to DDL/SQL, which is not being added to DDS-type databases.
 - B) I do not have to worry about the overhead and risk of regenerating my tried and trusted business logic, from RLA to SQL type access. NOTE: If a function is regenerated/recompiled over a DDL database, the code may change from RLA to SQL, in some scenarios.
- *Acceptance Criteria*
 - Customers should have the option for SQL to generate/compile as it has always done, so as not to disrupt existing SQL environments. NOTE: e.g. control any changed generation via Model level and file level options.
 - Functions with existing RLA access will work against DDL database without function recompilation.
 - Creating new functions, or regenerating existing functions over DDL, will result in SQL like access.
 - Prevent and document scenarios where any "pulling the lever DDS>SQL" will not work.

Allow SQL/DDDL Generation without hard-coded schema name – Raghu (10 minutes)

- As a 2E application developer, I would like to be able to generate SQL database objects that do not contain a hard-coded schema name, so that the database object can be compiled into any desired collection or library (as specified in the YSQLLIB model value), to allow the simplification the deployment environment, and also to provide support for change management environments where the object needs to be recompiled into a different collection/library, without making changes to the previously generated source.
- NOTE: From Idea wall.
- *Acceptance Criteria* -
 - - We should take an opt-in approach. Customers upgrading to r8.7 should see unchanged behavior by default. E.g. So as not to disrupt their environments.
 - - I need to have the option to generate SQL where the schema/collection-name is not specified.
 - - Model generation/compilation/runtime should still work correctly without schema name explicitly specified.
 - - SQL objects should be promotable without error via CA 2E CM. NOTE: CA 2E CM has a limitation where SQL objects can only be promoted **without** compile.
 - - YEXCSQL should have the ability to compile into non-SQL collections.

Refresh Action Diagram Statements – Raghu (10 minutes)

- As a programmer I need the ability to refresh Action Diagram statements when opening an Action Diagram, rather than having to zoom in on individual Call statements in order to see refreshed details on that call. This will increase my productivity
- *Acceptance criteria:*
 - Functionality works
 - Functionality is documented
 - Functionality is available in batch using YCHKFUNACT or similar command

Summary

- **We are moving at the speed of trust.**
- **Features and dates are subject to change.**
- We are “all in” with Agile collaboration

Q&A