Cortell Australia Pty Ltd

CoreBIS
Testing Verification
29/02/2024

Revision History

Date	Version	Description	Author
27/02/2024	0.1	Create Document	Rodrigo Alvarez
28/02/2024	1.0	Release	Karl Blackler

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1.   Summary

This document identifies what testing has occurred on each change in this Month's CoreBIS release.

2. Code Updates

2.1 CU200: Recurring text manual adjustments not working (Risk: L)

This update fixes an issue with the recurring option in the manual adjustments relating to text values. Sometimes, when a text adjustment was set as recurring, it was not copied to the next period. This problem has been fixed.

Test Goals: Validate that a recurring string adjustment is rolled as recurring in the following workflow period.

Test Method: We will create a string value(Currency) in the 117_0B_2 form for a given period.

We will create a manual adjustment and select Yes as recurring.

The value is shown as follows:

ARF_117_0B_2: Repricing analysis - denominated in foreign currency_2
Effective date: 1 January 2013

Australian Business Number	Institution Name
12345678910	CoreBIS No.1

Reporting Period	Scale Factor
2021-09-30	Millions to one decimal place for banks Whole dollars no decimal place for other ADIs

Reporting Consolidation

LEVEL2

Currency	Description for composites of immaterial currencies
USD	

Now, we will check the next period, which is blank.

ARF_117_0B_2: Repricing analysis - denominated in foreign currency_2
Effective date: 1 January 2013

Australian Business Number	Institution Name
12345678910	CoreBIS No.1

Reporting Period	Scale Factor
2021-10-31	Millions to one decimal place for banks Whole dollars no decimal place for other ADIs

Reporting Consolidation

LEVEL2

Currency	Description for composites of immaterial currencies

First, we create the workflow from one period to the next.

Regenerate the workflow of the next period.

And the recurrent attribute applies.

ARF_117_0B_2: Repricing analysis - denominated in foreign currency_2

Effective date: 1 January 2013

Australian Business Number	Institution Name
12345678910	CoreBIS No.1
Reporting Period	**Scale Factor**
2021-10-31	Millions to one decimal place for banks Whole dollars no decimal place for other ADIs

Reporting Consolidation

LEVEL2	

| Currency	Description for composites of immaterial currencies
USD	

Test Status: Success

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2.2 CU202: Remove additional columns from the Manual Table Adjustments screen (Risk: L)

This update fixes an issue in the manual table adjustments. It was reported that when a table adjustment was selected, the table showed some system attributes not required for entry in the current table version. This issue has been fixed.

Test Goals: Open the Manual Table Adjustment screen in a form that uses tables and validate the appearance of other attributes against the current prod system. In this screen, we can see two attributes that don't have a description.

Test Method: Open the Manual Table Adjustment Screen for form 747 in prod (system with no changes).

Now, we will open the same screen in the test system with the change included. Those attributes do not appear.

Test Status: Success

2.3 CU217: Export to XML of ARS_110_0 fails for Final version (Risk: M)

This update fixes an issue with the XML export of the ARS_110_0, in which the Final Version could not be exported, but the Working Version could.

Test Goals: Export an approved version of ARS 110

Test Method: Run an export of an APRA-ready version of ARS 110.

Check the export folder:

Test Status: Success

3. Enhancements to Existing Features

3.1 EF160: Create process to automatically archive data (Risk: M)

We have added an enhancement to the archiving process, so that the system can automatically archive data over a certain period of time. This feature will run each morning. Should a user reload archived data, a new archive flag will stop that data from being re-archived.

Test Goals: Test the auto archive functionality and validate that the files got archived correctly.

Test Method:

First, we will check some cubes to see if we have periods to archive.

Open the new AutoArchive Settings.
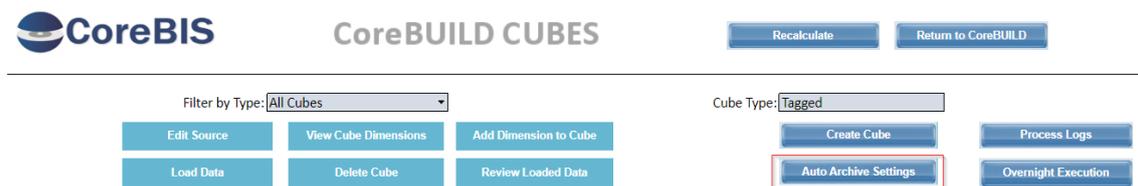
Ensure Y is selected, and we will choose 12 live months.
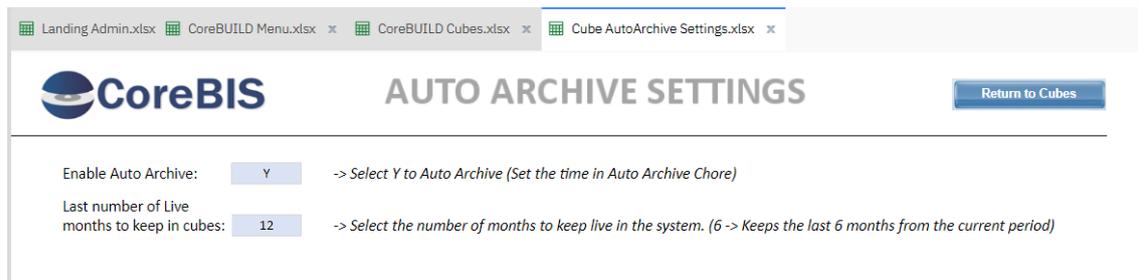
We will run the Autoarchive chore.
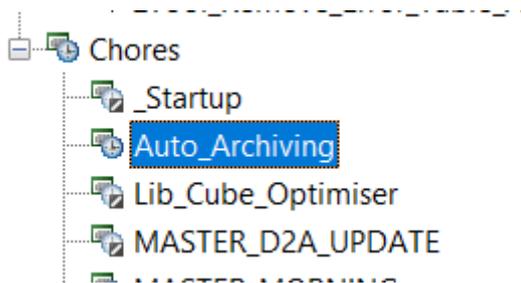
Meanwhile, it is archiving we can check the folder with the archived components zip folders.

We can check how many have been archived.

The auto archive system works in batches of 10 runs with no more than five load dates in three hours at 2:15 am, preventing a massive auto-archiving situation that can affect the performance of CoreBIS in Business Hours.

Test Status: Success

3.2   EF165: Add a lookup assumption for the client name attribute (Risk: L)

This fix created a new parameter in the system that makes client attribute rules generic. The Caption_Default alias will be changed to display the user's name without the active directory prefix.

Test Goals: Open the Client dimension and check the Caption_Default alias in both systems before and after.

Test Method:

First, we must check that the Client Prefix parameter was created and the prefix is set.
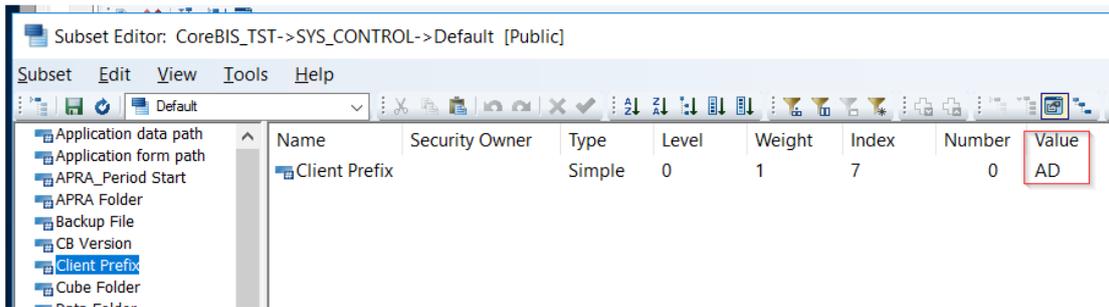
Now check that the Caption Default appears without the client prefix.

Caption_Default
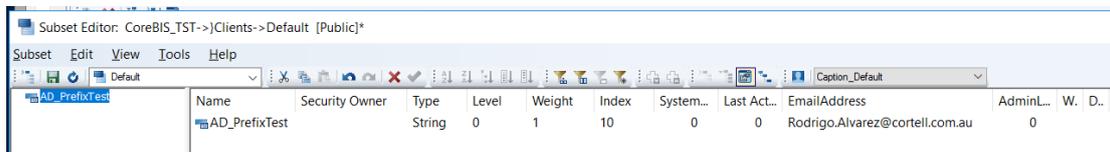
TM1_DefaultDisplayValue
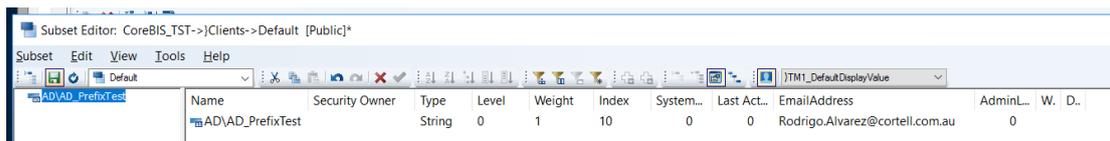
Test Status: Success

3.3 EF166: Review CFG file; ForceReevaluationOfFeedersForFedCellsOnDataChange=T (Risk: L)

This revaluation parameter in the CoreBIS core calculation engine was reviewed to seek a performance gain in the application's processing or upload times. The parameter will remain set as is.

Test Goals: An internal check was performed by the Cortell team, and based on the results, which didn't impact the performance, we decided to keep the parameter as is. So, no changes to the system were applied.

Test Method: N/A

Test Status: Success

3.4 EF169: Change Groups able to add/edit user email addresses from Admin to CoreSecurity (Risk: L)

Members of the CoreSecurity security group can now change users' emails.

Test Goals: A CoreSecurity group member user with no admin access should be able to change users' emails.

Test Method: Set up a user with only proper access and a CoreSecurity membership. Refresh Security.

Rodrigo Alvarez	All Users
	CoreSecurity
	Grp_Rodrigo Alvarez

Log in with this user and change an email:

Test Status: Success

3.5   EF170: Error handling if the SQL and dimensions are misaligned. (Risk: M)

When loading BASE cube data into the system, the SQL query or File can be misaligned with the cube dimensions. This can occur when a user adds a new dimension to an existing cube or imports a text file that does not align with the cube dimension list.

When the cube is set to load new dimension elements automatically, this can create new elements in dimensions that shouldn't.

This enhancement will stop this from occurring should the "Value" be blank or 0. The user will receive an email if all values are blank or 0 in a load.

Test Goals: Show a case where the number of fields is larger in CoreBIS than in the SQL(adding one or more dimensions). Show how the system solves the problem.

Test Method:

The financial difficulty field was removed from the SQL. This example will help us assume that the field was added to the cube, but the query was not updated.

As a result of the missing field, the value is blank.

_Financial_Diffi culty	RM_Customer_Res idency	RM_ArrearsDays	RM_LoanIncomeRa tio	RM_LoanVintageYr s	BASE_Residential_ Mortgages_Measur	VALUE	
13	14	15	16	17	18	19	20
	0	1.0-1.5	0 mths	LoanCount	1		
	0	2.5-3.0	0 mths	LoanCount	1		
	0	1.5-2.0	0 mths	LoanCount	1		
	0	6.0-6.5	0 mths	LoanCount	1		
	0	1.0-1.5	0 mths	LoanCount	1		
	0-29	1.0-1.5	0 mths	LoanCount	1		
	0	4.0-4.5	0 mths	LoanCount	1		
	0	1.5-2.0	0 mths	LoanCount	1		
	0	2.5-3.0	0 mths	LoanCount	1		
	0	1.5-2.0	0 mths	LoanCount	1		

Now, we will load the data by pressing the Load button. We added the option of Load dimensions with data load.

Recalculate	Return to Cube	
Clear Preview	Load Data	Process Logs
Run Preview	☑ Load Dimensions with Data Load ☐ Run in Background	Export Data

Select Cube: BASE_Residential_Mortgages

Select APRA Period: 2022-12-31

We will receive a message:

RM_Branch	RM_Loan_Type	RM_Product	RM_Fixed_Variable	RM_First_Home_G	RM_Purpose
4					9
218	4200				Land Purchase
218	4300				Owner Occupied H
211	4300				Owner Occupied H
218	4300				Refinance - Housin
204	4200	Standard Housing	Variable	N	Owner Occupied H
204	4200	Standard Housing	Variable	N	Debt Consolidation
218	4200	Fixed Principal and I	Fixed	N	Owner Occupied H
218	4200	Variable Interest Onl	Variable	N	Land Purchase
218	4300	Secured	Variable	N	Owner Occupied H
205	4200	Variable Interest Onl	Variable	N	Owner Occupied H

☑ Load Dimensions with Data Load
☐ Run in Background

Run Preview

✕

There was an issue with the load.

And an email will arrive:

testemail - Notepad

File   Edit   Format   View   Help

```
"CMD /C powershell E:\ibm\CoreBIS_tst\Scripts\sendPSEmail.ps1 -EmailFrom karl.blackler@cortell.com.au -EmailTo Karl.Blackler@cortell.com.au -
Username karl.blackler@cortell.com.au -Subject '"Automated CoreBIS Email: An issue with BASE_Residential_Mortgages has been detected."' -EmailBody
'"Hi Admin, <BR>Your execution of BASE_Residential_Mortgages only returned blanks in the "Value" field. Please review that the Data Source is still
valid. No data or new elements have been loaded"' -SMTPServer smtp.office365.com "
```

No Base Load date was created 2024-??-??:

BASE_Residential_Mortgages_Load_Date	Used by Tagging	Action	Archived
⊖ All BASE_Residential_Mortgages_Load_Date (n)	4		
⊖ 2018-12-20	2		
2018-12-20 14:00:32	2		
⊖ 2019-06-21	0		
2019-06-21 15:33:46	0		
⊖ 2019-07-25	0		
2019-07-25 15:40:54	0		
⊖ 2019-07-26	0		
2019-07-26 14:25:42	0		
⊖ 2020-08-06	1		
2020-08-06 09:20:11	1		
⊖ 2020-08-13			
2020-08-13 10:25:23			
⊖ 2021-06-10			
2021-06-10 13:18:21			
⊖ 2023-05-05			
2023-05-05 09:30:55			
⊖ 2023-06-30	1		
2023-06-30 16:25:00	1		

Now, we will fix the SQL to what it was before (in a real scenario, we add the field after adding a dimension).

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The data was back in sync:

The Data has a "loaded" message.
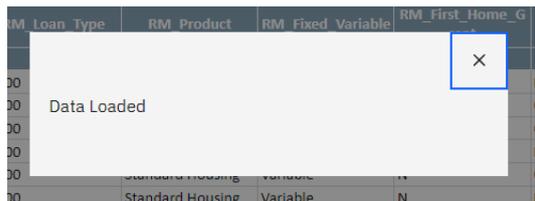
Data was loaded successfully.

Test Status: Success

4. New Features

There are no new feature changes this month.

5. New Taxonomy

There are no taxonomy changes this month.