Salesforce.org EZ Datalake Testing Deletion Scenarios

Prepared for Salesforce by the Envision Engineering Team May 2022





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1 Introduction

This document provides results of testing deletion. Deletion scenarios have been laid out by customer here:

https://app.smartsheet.com/sheets/4RJ7Gf2F6Jjghx6RJ4x9fmFX5Xrc47554Cf3qcM1?view =qrid

2 Test Setup

New clone "eedeletion" was setup for testing deletion scenarios. Refer to document "Creating sandboxes in SF Demo NPO Organization" for details.

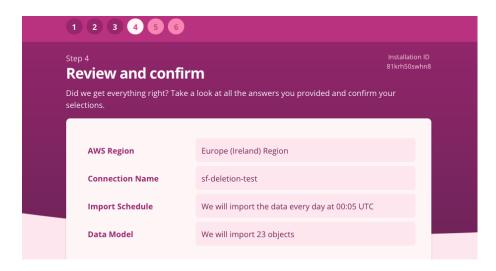
Sandbox: https://tweeks-220104-26-demo--eedeletion.my.salesforce.com/?un=rohiniks%40sflakehouse.amazon.com.eedeletion.my.salesforce.com/?un=rohiniks%40sflakehouse.amazon.com.eedeletion.my.salesforce.com/?un=rohiniks%40sflakehouse.amazon.com.eedeletion.my.salesforce.com/?un=rohiniks%40sflakehouse.amazon.com.eedeletion.my.salesforce.com/?un=rohiniks%40sflakehouse.amazon.com.eedeletion.my.salesforce.com/?un=rohiniks%40sflakehouse.amazon.com.eedeletion.my.salesforce.com/?un=rohiniks%40sflakehouse.amazon.com.eedeletion.my.salesforce.com/?un=rohiniks%40sflakehouse.amazon.com.eedeletion.my.salesforce.com/?un=rohiniks%40sflakehouse.amazon.com.eedeletion.my.salesforce.com/?un=rohiniks%40sflakehouse.amazon.com.eedeletion.my.salesforce.com/?un=rohiniks%40sflakehouse.amazon.com.eedeletion.my.salesforce.com/?un=rohiniks%40sflakehouse.amazon.com.eedeletion.my.salesforce.com/?un=rohiniks%40sflakehouse.amazon.com.eedeletion.my.salesforce.com/?un=rohiniks%40sflakehouse.amazon.com/.eedeletion.my.salesforce.com/.eedeletion.my.salesforce.com/.eedeletion.my.salesforce.com/.eedeletion.com/.eedeletion.my.salesforce.com/.eedeletion.gov/.eedeletion.

Tested with deployment on May 6, 2022 (git tag: sf-deletion-test-prerelease)

Deployment: https://dev5747.d27ad7slhl9a0.amplifyapp.com/ (not guaranteed to persist – deployment maybe torn down post testing)

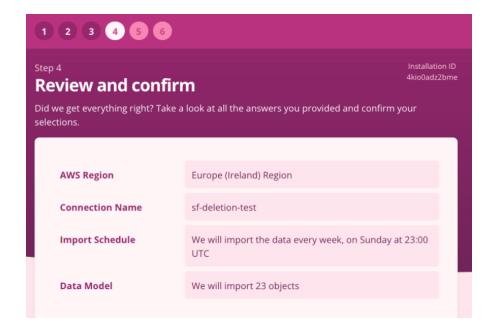
Appflow connector: sf-deletion-test All installations were setup on May 6th, 2022

Daily Sync Installation ID:

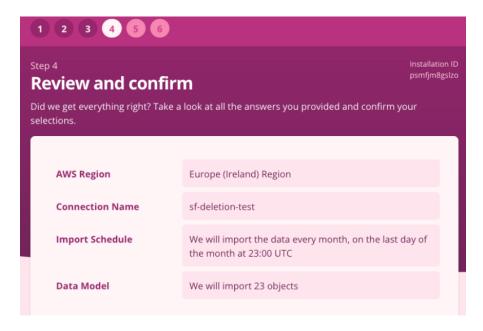


Weekly Sync Installation ID:





Monthly Sync Installation ID:



Note: monthly sync results need to be checked past June 6th for final results and hence test results are not in this document. It is recommended for ProServe to test out these monthly sync results.

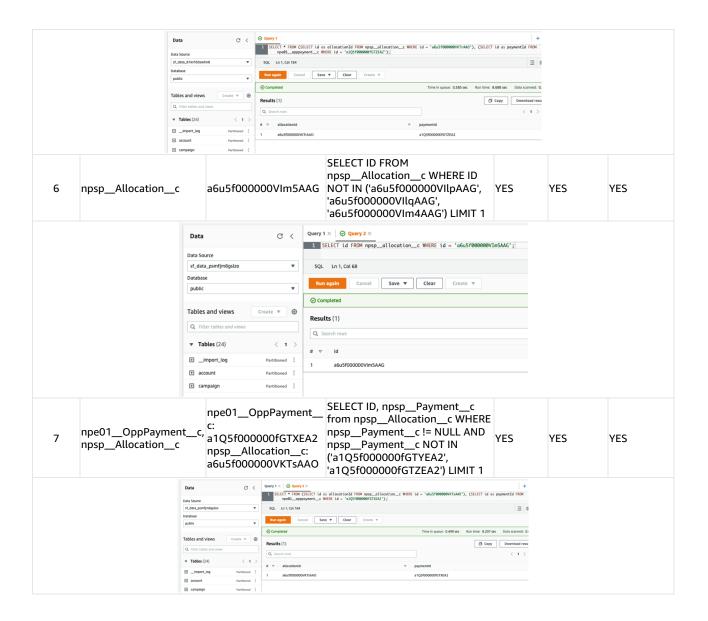
3 Data Validation Before Deletion











4 Test Scenarios

4.1 Scenario 1

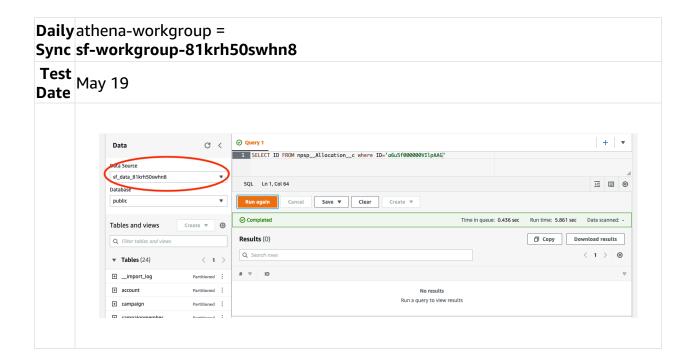
Deletion	Deletion					Test Res	ults
Scenario	Type	Replication Steps	Expected Results		Daily Sync	Weekly Sync	Monthly Sync
Record(s) removed from CRM via API	Hard	"Delete an Allocation record - npspAllocation_c using the API. https://help.salesforce.com/s/articleView? id=000321526&type=1 An API delete can be done in the Salesforce Developer Console, an IDE of your preference, or using DataLoader or other ETL tool."	The record is no longer in the UI or available via the API. A periodic batch integration would not have knowledge of this delete.	It is possible that after a hard delete the record is still available to query via the API for an undetermined amount of time until there is a database merge. This is not consistent and	~	~	-



should not be considered a feature when building the
solution.

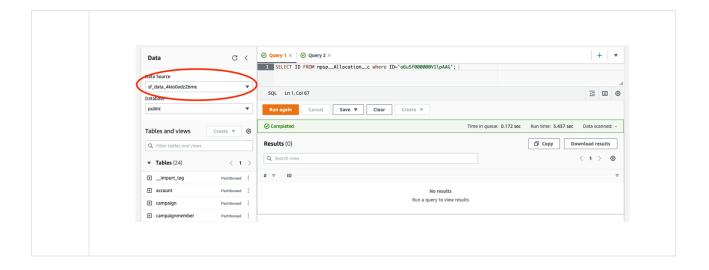
Dataloader was used to delete the record with ID a6u5f000000VIlpAAG





Weekly athena-workgroup =					
Sync	sf-workgroup-4kio0adz2bme				
Test Date	May 23				



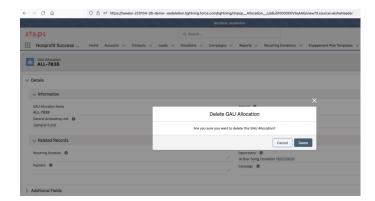


4.2 Scenario 2

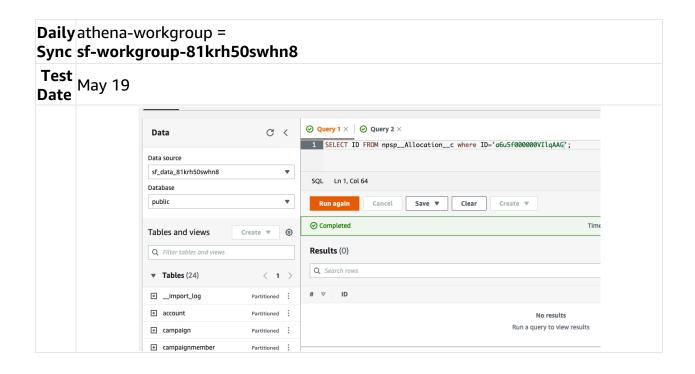
Deletion	Deletion				Test Res	ults
Scenario	Type	Replication Steps	Expected Results	Daily Sync	Weekly Sync	Monthly Sync
Records removed from CRM in UI	Soft	Delete an Allocation record - npsp_Allocation_c from the target record in the UI	Allocation record can be found in the recycle bin. When queried with the API, IsDeleted = TRUE. Will be available in this state for 14 days until purged from system unless removed manually (see row 3).	~	~	-

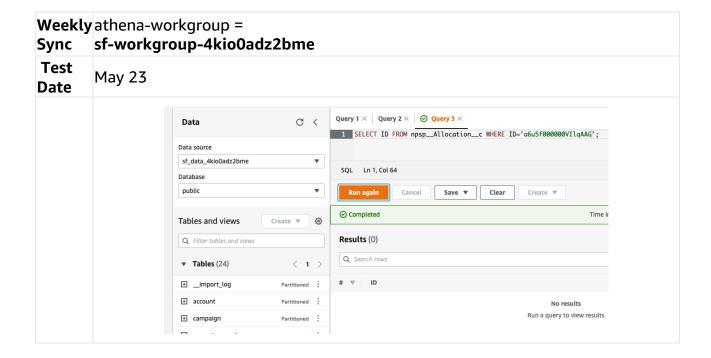
UI was used to delete record with ID a6u5f000000VIlqAAG from npsp__Allocation__c https://help.salesforce.com/s/articleView?id=000321696&type=1

Before deletion:





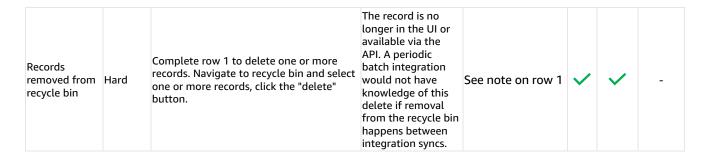




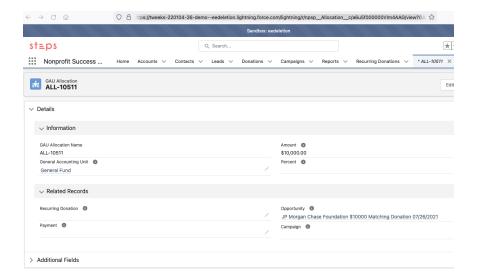
4.3 Scenario 3



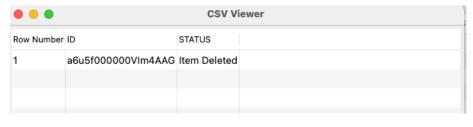




Before deletion:



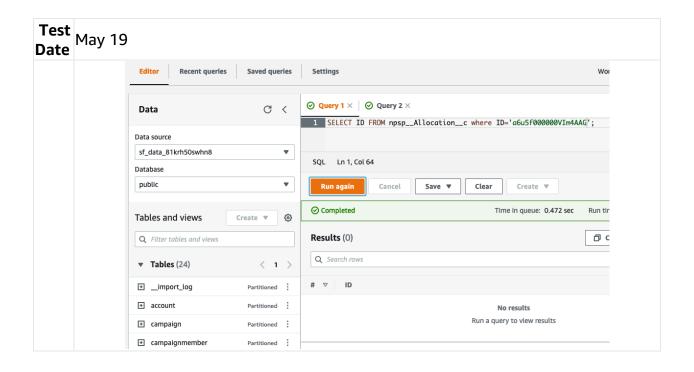
Dataloader was used to delete the record with ID a6u5f000000VIm4AAG

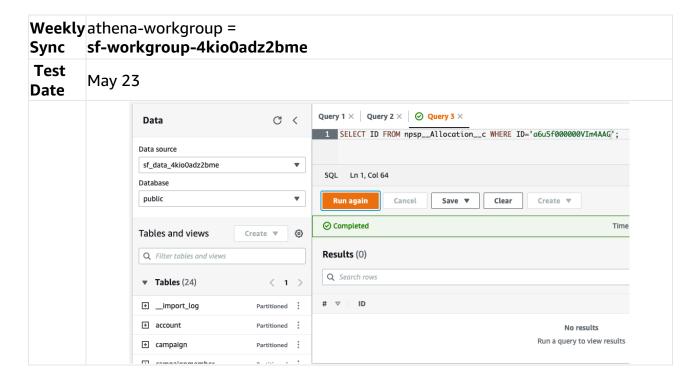




Daily athena-workgroup = Sync sf-workgroup-81krh50swhn8







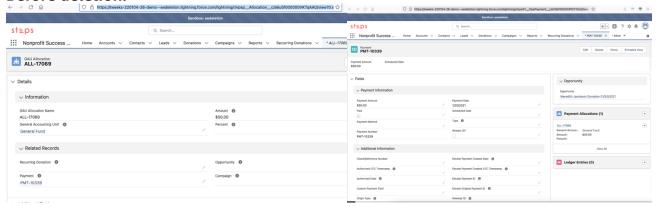
4.4 Scenario 4

npe01_OppPayment_c: a1Q5f000000fGTYEA2 npsp_Allocation_c: a6u5f000000VKTqAA0

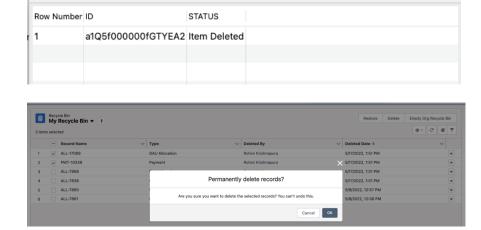


Deletion	Deletion					Test Res	ults
Scenario	Type	Replication Steps	Expected Results	Notes	Daily Sync	Weekly Sync	Monthly Sync
Records removed from CRM with cascading delete via API	Hard	Complete row 1 to delete one or more records. Navigate to recycle bin and select one or more records, click the "delete" button.	The target record as well as its child records (i.e., npspAllocationc) are no longer in the UI or available via the API. A periodic batch integration would not have knowledge of this delete.	See note on row 1	~	~	-

Before deletion:

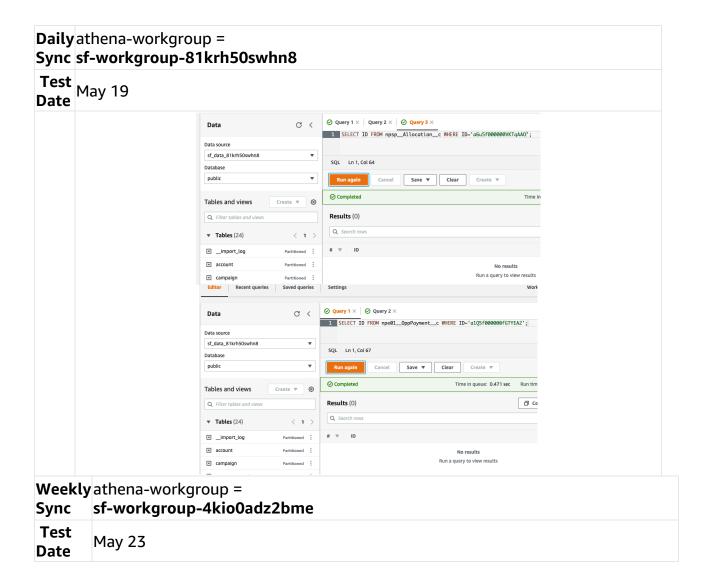


Dataloader was used to delete the record with ID a1Q5f000000fGTYEA2

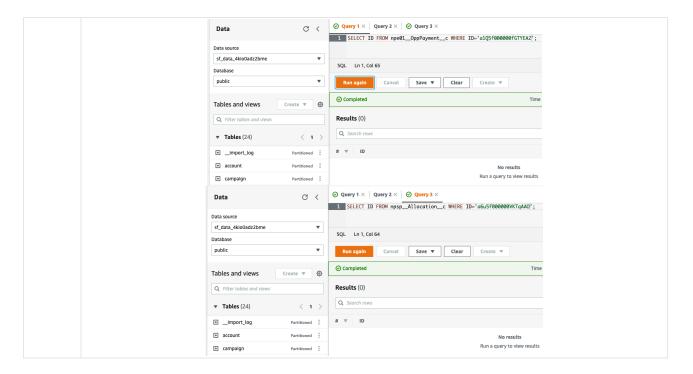


CSV Viewer









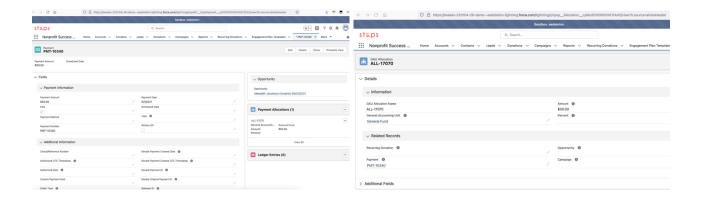
4.5 Scenario 5

npe01__OppPayment__c: a1Q5f000000fGTZEA2 npsp__Allocation__c: a6u5f000000VKTrAAO

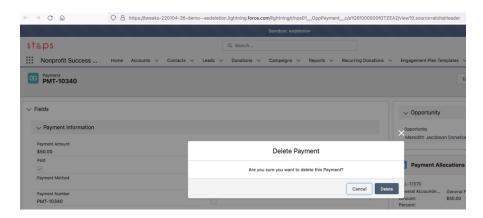
Deletion Scenario	Deletion Type	Replication Steps	Expected Results	Notes	_	Test Res Weekly Sync	ults Monthly Sync
Records removed from CRM with cascading delete via UI	Soft	Delete a Payment record - npe01OppPaymentc from the target record in the UI	The target record as well as its child records (i.e., npspAllocationc) can be found in the recycle bin. When queried with the API, IsDeleted = TRUE. Will be available in this state for 14 days until purged from system unless removed manually (see row 3).		~	~	-

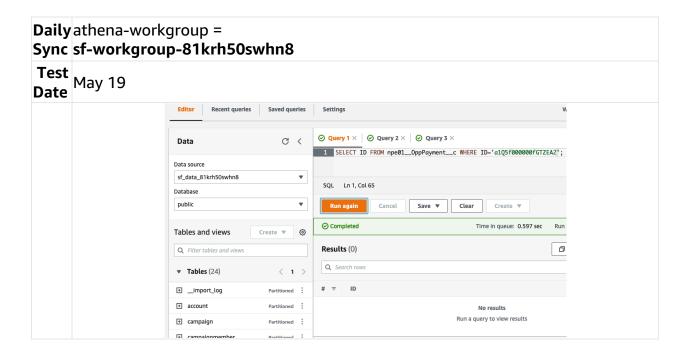
Before deletion:



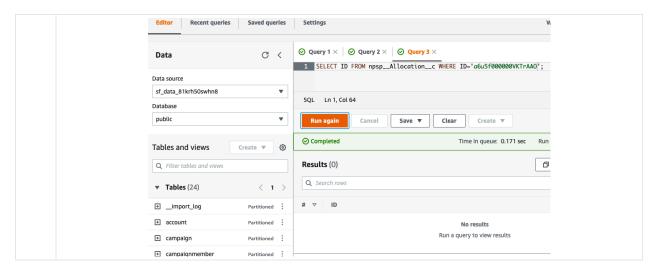


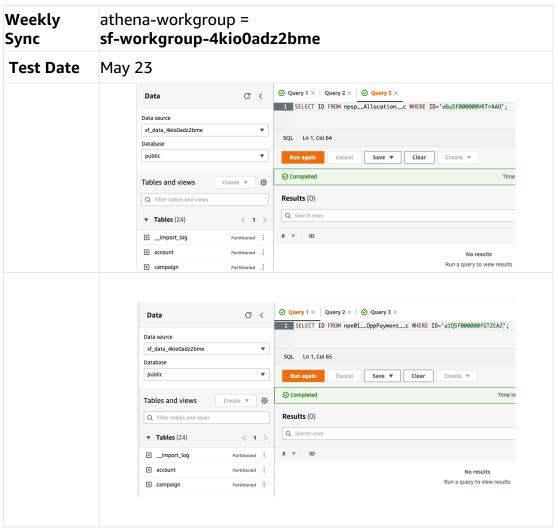
Deleting payment record from UI









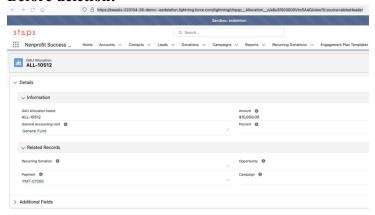


4.6 Scenario 6

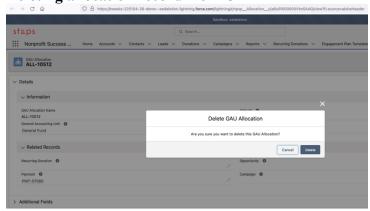
a6u5f000000VIm5AAG

Deletion	Deletion					Test Res	ults
Scenario	Type	Replication Steps	Expected Results	Notes	Daily Sync	Weekly Sync	Monthly Sync
Record(s) restored from recycle bin	N/A	Complete row 1 to delete one or more records.	Records are removed from the recycle bin and now appear in the UI and API queries with IsDeleted = FALSE. The restored record will retain its original record ID.		~	~	-

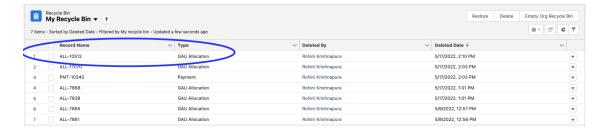
Before deletion:



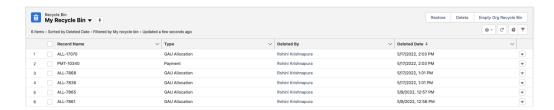
Deleting allocation record from UI

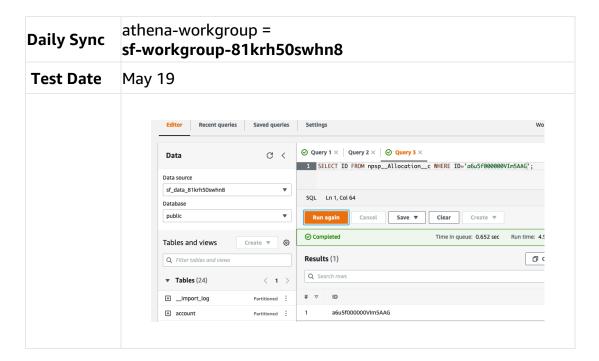






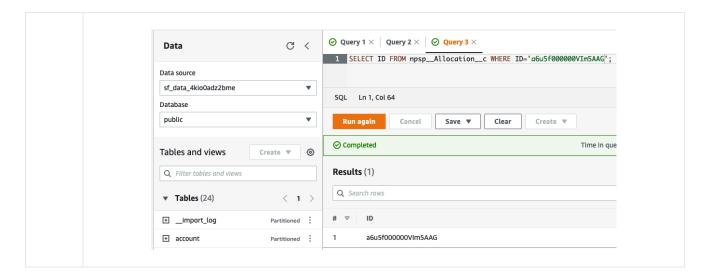
After restoration





_	athena-workgroup = sf-workgroup-4kio0adz2bme
Test Date	May 23



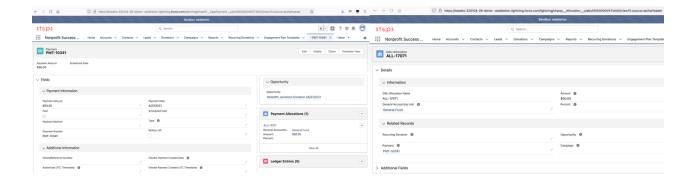


4.7 Scenario 7

npe01__OppPayment__c: a1Q5f000000fGTXEA2 npsp__Allocation__c: a6u5f000000VKTsAAO

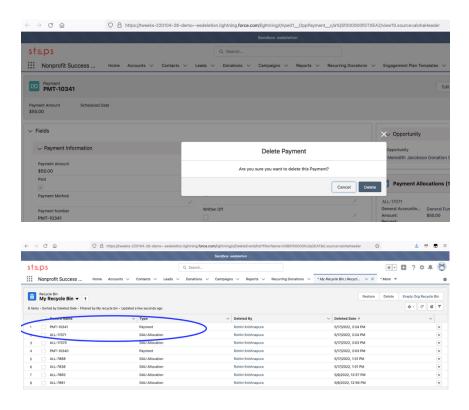
Deletion	Deletion					Test Res	ults
Scenario	Type	Replication Steps	Expected Results	Notes	Daily Sync	Weekly Sync	Monthly Sync
Multiple records restored from recycle bin (i.e., reverse a cascading delete)	N/A		Records are removed from the recycle bin and now appear in the UI and API queries with IsDeleted = FALSE. The restored record will retain its original record ID.		~	~	-

Before deletion:





Deleting payment record for cascade delete

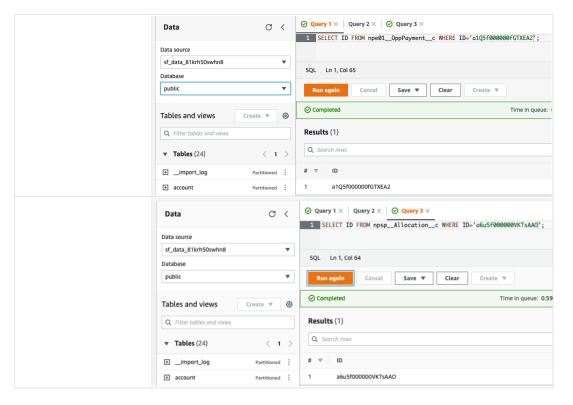


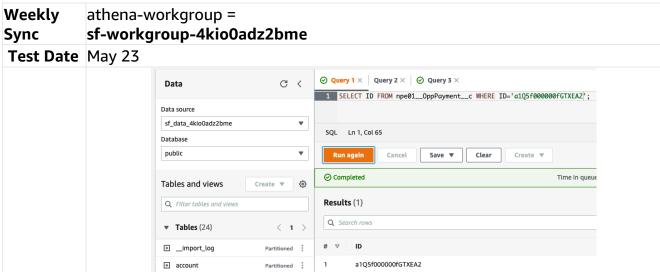
After restoration

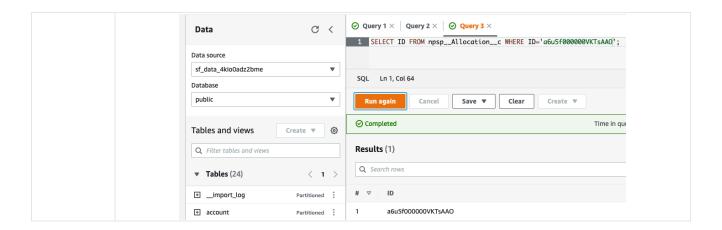


Daily Sync	athena-workgroup = sf-workgroup-81krh50swhn8
Test Date	May 19









Monthly Sync	athena-workgroup = sf-workgroup-psmfjm8gslzo
Test Date	Monthly sync needs to be checked on June 6th for final results