



Replicate

User Guide

September 28, 2023
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Replicating Data & Metadata

Salesforce administrators and developers spend a lot of time setting up test environments and data for new workflows and code. Using Replicate, you can quickly create a fresh set of data and/or metadata in another organization or sandbox in just a few clicks.

For customers with Seeding, see more information in the [Seeding User Guide](#).



Data Replicate

Use the Data Replicate tool to replicate all your data (including attachments) or select a subset of objects, and filter by record count or SQL query. Automatically include a configurable number of child objects, anonymize your data, and select the backup from which to replicate. We will not delete any records from the destination Salesforce Org during the full-org or multiple parent object replication process.

Data replicate supports Production to Sandbox, or Sandbox to Sandbox.

To replicate your data:

1. Sign in to your account.
2. Navigate to the Replicate tab.

Data Replicate

1 Select source 2 Select objects 3 Filtered preview 4 Select backup snapshot 5 Select destination 6 Summary

What is the source service?
Select the service you would like to replicate from.

▼ aberkman@198sdo.com.dev400
Org ID 00D56000009xyMEAU

Next Step



NOTE

Replicate Plus customers will see the following:

salesforce

Replicate Plus
(formerly known as Sandbox Seeding)

Replicate all your data (including attachments) or select a subset of objects and filter by record count or SQL query. Automatically include a configurable number of child objects, anonymize your data and select the backup from which to replicate.

Start Data Replicate

salesforce

Metadata Replicate

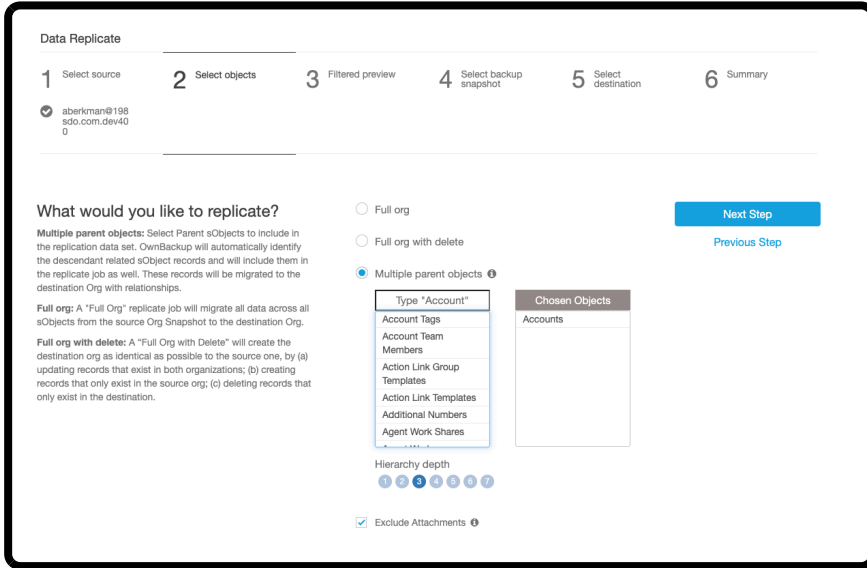
Use this tool to replicate your metadata. When you replicate your metadata, OwnBackup will take the selected object elements from a specific snapshot in the source service, and will "copy" it, to the destination service. OwnBackup will not delete any elements during this process.

Start Metadata Replicate

Click **Start Data Replicate**, and continue to [Step 3 \[4\]](#).

3. Select the source Salesforce Org from which you would like to replicate.

4. Click **Next Step**.

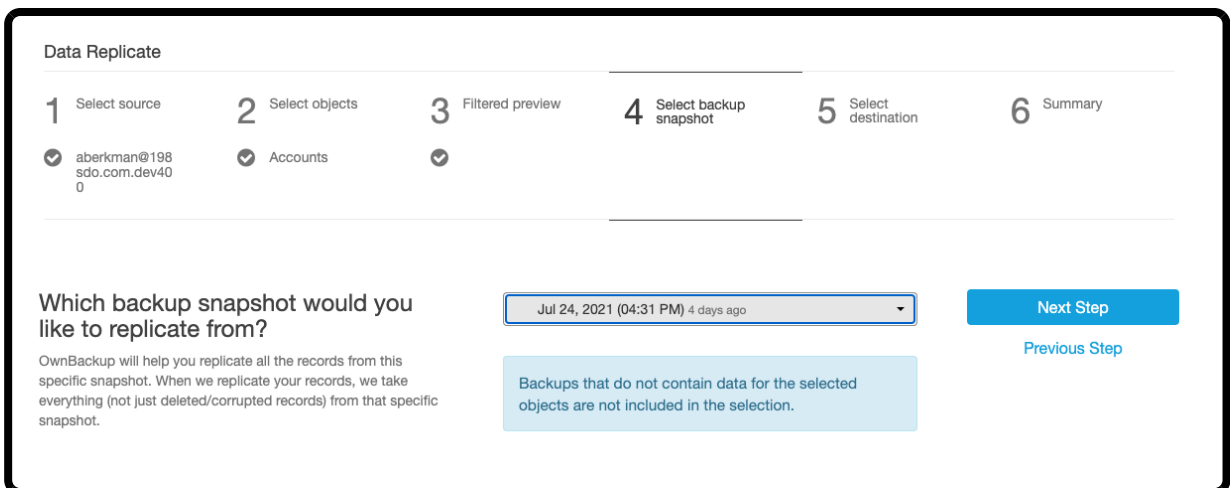


5. Select one of the following Replicate options:

- **Full org**: We will migrate all data across all objects from the source Org snapshot to the destination Org.
- **Full Org with delete**: Will create the destination org as identical as possible to the source one, by (a) updating records that exist in both organizations; (b) creating records that only exist in the source org; (c) deleting records that only exist in the destination.
- **Multiple parent objects**: Select Parent objects to include in the replication data set. We will automatically identify the descendant related object records and will include them in the replicate job as well. The records will be migrated to the destination Org with relationships. Sandbox Seeding, (SBS) allows you to populate data sets from a Production/Sandbox Salesforce org to a secondary (Dev, Dev Pro and Partial) Sandbox org.
 - Select the hierarchy depth 1-7 (e.g., 1 = Accounts, 2 = Accounts + Contacts, 3 = Accounts, Contacts + Custom Object).
 - Select whether to exclude attachments.

Use this option to automatically exclude all sObjects containing attachments from this job.

6. Click **Next Step**.



7. Select the snapshot. The snapshot will contain all the records you want to replicate, and not just deleted/corrupted records from that specific snapshot.

8. Click **Next Step**.

Data Replicate

| | | | | | |
|------------------------------|-------------------------|---------------------------|---------------------------------|-----------------------------|------------------|
| 1 Select source | 2 Select objects | 3 Filtered preview | 4 Select backup snapshot | 5 Select destination | 6 Summary |
| ✓ aberkman@198sdo.com.dev400 | ✓ Accounts | ✓ | ✓ Jul 24, 2021 | | |

What is the destination service?
Select the destination service you would like to replicate into.

Same org
 Different org

✓ aberkman@198sdo.com.dev401
Org ID 00D2200000DEC3EAO

Automatically disable all* Validation Rules, Workflows, Triggers and Processes

Next Step
Previous Step

9. Select the destination service:

- Select Same org if you want to replicate records into the same environment.



NOTE

If the option to select Same org is disabled, replication to Production is not allowed.

- Select Different org if you want to replicate records into a sandbox.
- Select whether to automatically disable all Validation Rules, Workflows, Triggers and Processes (Replicate Plus only).

We will automatically disable all Validation Rules, Workflows, Triggers (except for triggers relating to managed packages) and Processes on the destination environment during the replicate job and automatically re-enable them upon job completion.

10. Click **Next Step**.

Data Replicate

| | | | | | |
|------------------------------|-------------------------|---------------------------|---------------------------------|------------------------------|------------------|
| 1 Select source | 2 Select objects | 3 Filtered preview | 4 Select backup snapshot | 5 Select destination | 6 Summary |
| ✓ aberkman@198sdo.com.dev400 | ✓ Accounts | ✓ | ✓ Jul 24, 2021 | ✓ aberkman@198sdo.com.dev401 | |

Summary

OwnBackup will prepare Multiple Objects:
Accounts (hierarchy depth of 3).
From: Jul 24, 2021 04:31PM
Of source service: aberkman@198sdo.com.dev400.
And will allow you to replicate them into the destination service: aberkman@198sdo.com.dev401.
OwnBackup will not delete any records from the destination service.
Validation Rules, Workflows, Triggers and Processes will be temporarily disabled on the destination environment for the duration of this job.
Attachments will be excluded from this job.

Preview Replicate
Previous Step

- Review the details you selected, then click **Preview Replicate** to generate a complete preview. The Salesforce Replicate job begins and opens in the Jobs tab.

Salesforce Replicate


Pre-processing compare results...

Job ID #628175

Sync Multiple Objects: **Account Brand Shares** (hierarchy depth of 3) of the backup dated Jul 28, 2021 (04:31 PM) from [Salesforce Sandbox Data] aberkman@198sdo.com.dev400 to [Salesforce Sandbox Data] aberkman@198sdo.com.dev401 and temporarily disable Validation Rules, Workflows, Triggers and Processes in the destination environment for the duration of this job. Attachments will be **excluded** from this job.

> **Pre-process data for replication**


Fetching data before compare...



NOTE

Abort the replicate process by clicking the Abort Job. Once the replication of data to the destination has begun, changes made to the destination environment cannot be undone.

Once the initial processing of the data is complete the job preview results are displayed, and you will be presented with additional onscreen instructions.



NOTE

Non-createable field records will be skipped during the replicate.

Salesforce Replicate

Review the data that will be replicated to your Org.

Job ID #626686

Sync Multiple Objects: **Accounts** (hierarchy depth of 2) of the backup dated Jul 21, 2021 (04:31 PM) from [Salesforce Sandbox Data] aberkman@198sdo.com.dev400 to [Salesforce Sandbox Data] aberkman@198sdo.com.dev401 Attachments will be **excluded** from this job.

Total of 171 Records, estimated size: 342 KB
(Destination Org's data consumption was approximately 120 MB as of July 21, 2021 14:37)

> **126 Account records will be replicated** 🔍 Deselect all

- 18 AccountContactRelation records will be replicated 🔍
- 2 AccountShare records will be replicated 🔍
- 18 Contact records will be replicated 🔍
- 1 ObjectTerritory2Association records will be replicated 🔍
- 5 Opportunity records will be replicated 🔍
- 1 SBQQ_Quote__c records will be replicated 🔍

The following steps must be completed manually before resuming this job

- > User Permissions - "Modify All" 🔍
- > Temporarily Disable Validation Rules, Workflows, Triggers and Processes 🔍
- > Temporarily Disable Email Deliverability 🔍
- > Review skipped objects (not supported) 🔍


I have adapted my destination environment for this job

Start Replicate Duplicate Job

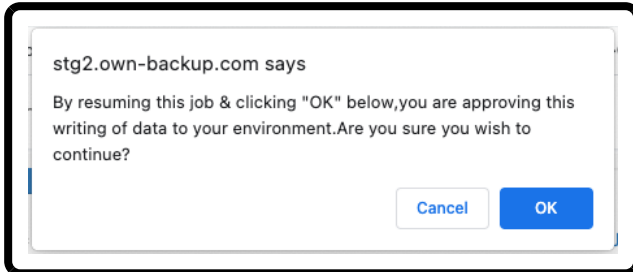
Cancel Job



NOTE

If you update a preview in the advanced options , you will need to click **Update Preview**, or **Start Replicate Without Preview** to continue the replicate process.

12. Check the **I have adapted my Salesforce environment for this job** checkbox when you are ready, then click **Start Replicate**. The confirmation message is displayed.



13. Click **OK**. The replicate data process begins, when it is completed it appears as follows:

Salesforce Replicate completed. Job ID #627732

Sync **Full org with delete** of the backup dated Jul 24, 2021 (02:43 PM) from [Salesforce Sandbox Data] aberkman@198sdo.com.dev401 to [Salesforce Sandbox Data] aberkman@198sdo.com.dev401 and temporarily disable Validation Rules, Workflows, Triggers and Processes in the destination environment for the duration of this job. Attachments will be **excluded** from this job.

Hooray, the Replication process completed successfully!

Please confirm that your Org is properly replicated.
If you disabled workflows or triggers, you can re-enable them now.

You can review the Bulk API operation logs below:

- [Download combined logs \(CSV file\)](#)
- [Download all logs \(ZIP file\)](#)
- [Review bulk delete logs](#)
- [Review bulk update logs](#)
- [Review auto-disable triggers, workflows, validation rules & processes logs](#)

[▶ Show previous steps](#)

[↻ Re-enable Triggers and Automations](#) [🗑 Delete Job](#)



Job Preview Results

When replicating data, you can review the details you selected, and the data to be replicated in the Job Preview Results.

The screenshot shows the 'Salesforce Replicate' job preview interface. At the top, it displays 'Salesforce Replicate' and 'Review the data that will be replicated to your Org.' with a progress bar at 30% and 'Job ID #627733'. Below this, a summary line states: 'Sync Multiple Objects: Accounts (hierarchy depth of 3) of the backup dated Jul 24, 2021 (04:31 PM) from [Salesforce Sandbox Data] aberkman@198sdo.com.dev400 to [Salesforce Sandbox Data] aberkman@198sdo.com.dev401 and temporarily disable Validation Rules, Workflows, Triggers and Processes in the destination environment for the duration of this job. Attachments will be excluded from this job.' A search bar is present with the placeholder 'Search Object...'. The main content area shows 'Total of 186 Records, estimated size: 372 KB (Destination Org's data consumption was approximately 120 MB as of July 27, 2021 14:37)'. A list of objects to be replicated is shown with expandable details and 'Deselect all' links: 126 Account records, 18 AccountContactRelation records, 2 AccountShare records, 18 Contact records, 1 ObjectTerritory2Association records, 5 Opportunity records, and 1 SBQQ_Quote__c records. A yellow box contains manual steps: 'User Permissions - "Modify All"', 'OwnBackup Will Temporarily Disable all Validation Rules, Workflows, Triggers and Processes for you', 'Temporarily Disable Email Deliverability', and 'Review skipped objects (not supported)'. A checkbox 'I have adapted my destination environment for this job' is unchecked. At the bottom, there are buttons for 'Start Replicate', 'Duplicate Job', and 'Cancel Job'.

The results contain the following information:






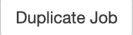



- The option to search for the objects. As you type, the options automatically filter.
- List of records that will be replicated.
- The status of the records:
 - : Indicates the object and its records will be created, but without the missing data, due to a 'non required' missing referenced object relationship. You may either include the additional objects or change the hierarchy depth.
 - : A required relationship for the object to succeed. Record inserts will fail without the missing information.



NOTE

In order to include the referenced items, you will need to create a new job.

- : Additional options available to filter your data.
- Deselect all.
- Additional manual on-screen instructions.
- Updated Preview   : This option is only visible when changes have been made to the replicate job preview.
- Start Replicate : Begin the replicate process.
- Duplicate Job : Duplicate the job.
- Cancel Job : Cancel the job.

Replicate Results

Salesforce Replicate completed. Job ID #627732

Sync **Full org with delete** of the backup dated Jul 24, 2021 (02:43 PM) from [Salesforce Sandbox Data] aberkman@198sdo.com.dev401 to [Salesforce Sandbox Data] aberkman@198sdo.com.dev401 and temporarily disable Validation Rules, Workflows, Triggers and Processes in the destination environment for the duration of this job. Attachments will be **excluded** from this job.

Hooray, the Replication process completed successfully!

Please confirm that your Org is properly replicated.
If you disabled workflows or triggers, you can re-enable them now.

You can review the Bulk API operation logs below:

[Download combined logs \(CSV file\)](#)
[Download all logs \(ZIP file\)](#)

[Review bulk delete logs](#)
[Review bulk update logs](#)

[Review auto-disable triggers, workflows, validation rules & processes logs](#)

[▶ Show previous steps](#)

[↻ Re-enable Triggers and Automations](#) [🗑 Delete Job](#)

The results contain the following information:

- Status of the Replication process.
- You can review the Bulk API operations logs using the following options:
 - Download combined logs (CSV file)
 - Download all logs (ZIP file)
 - Review bulk delete logs
 - Review bulk update logs
 - Review auto-disable triggers, workflows, validation rules & processes logs
- Show previous steps.
- Re-enable Triggers and Automations.
- Delete the Job.

Re-enable Triggers and Automations

On the summary of the replicate job, click **Re-enable Triggers and Automations** to re-activate Automations that have been disabled during the job but were not activated successfully.

The results appear as follows:

Salesforce Replicate completed. Job ID #627732

Sync **Full org with delete** of the backup dated Jul 24, 2021 (02:43 PM) from [Salesforce Sandbox Data] aberkman@198sdo.com.dev401 to [Salesforce Sandbox Data] aberkman@198sdo.com.dev401 and temporarily disable Validation Rules, Workflows, Triggers and Processes in the destination environment for the duration of this job. Attachments will be **excluded** from this job.

Enabling Triggers and Automations...

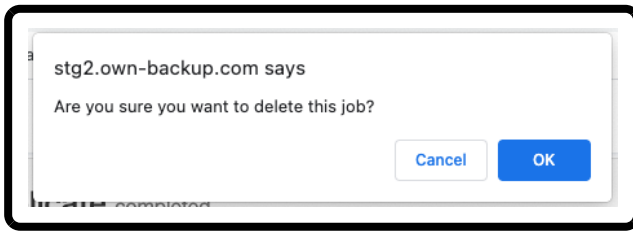
[▶ Show previous steps](#)



Delete Job

Once the replicate job is complete, you can delete the restore job directly from the Results page.

1. Click **Delete Job** at the bottom right of the results. The delete job message is displayed.



2. Click **OK**.

Retry Job

After any Data Replicate job (Multi-Parent or Full Org) has completed, if errors are present, you can review the bulk insert and bulk update logs to better understand why the errors occurred.

Salesforce Replicate (Duplicate of Job #626686) completed. Job ID #627730

Sync Multiple Objects: **Accounts** (hierarchy depth of 2) of the backup dated Jul 21, 2021 (04:31 PM) from [Salesforce Sandbox Data] aberkman@198sdo.com.dev400 to [Salesforce Sandbox Data] aberkman@198sdo.com.dev401 Attachments will be **excluded** from this job.

The Replication process completed with some warnings or errors.

Please confirm that your Org is properly replicated.
If you disabled workflows or triggers, you can re-enable them now.

We recommend that you review the Bulk API operation logs below:

[Download combined logs \(CSV file\)](#)
[Download all logs \(ZIP file\)](#)

[Review bulk insert logs](#)

| sObject | Success | Error | Skipped |
|--------------------------------------|---------------|--------------|---------|
| Account (Parent) | 108 record(s) | 18 record(s) | 0 |
| AccountShare (Parent) | 1 record(s) | 0 record(s) | 1 |
| Contact (Parent) | 5 record(s) | 13 record(s) | 0 |
| ObjectTerritory2Association (Parent) | 0 record(s) | 0 record(s) | 1 |
| Opportunity (Parent) | 5 record(s) | 0 record(s) | 0 |
| SBQQ__Quote__c (Parent) | 1 record(s) | 0 record(s) | 0 |
| AccountContactRelation (Parent) | 0 record(s) | 0 record(s) | 18 |

[Review bulk update logs](#)

| sObject | Success | Error | Skipped |
|------------------|-------------|-------------|---------|
| Account (Parent) | 0 record(s) | 1 record(s) | 0 |
| Contact (Parent) | 0 record(s) | 2 record(s) | 0 |

[Show previous steps](#)

[Re-enable Triggers and Automations](#) [Retry Job](#) [Delete Job](#)

Once the errors are reviewed, and the environment has been adjusted to solve the errors, you can retry the restore job directly from the Results page. To begin a Retry, click **Retry Job** button at the bottom right of the results. During the Retry, We will re-run the Replicate Job originally initiated.



NOTE

Any records that were successfully inserted in the original Restore Job will be skipped, will not be updated and no duplicates will be created.

Duplicate Data Replicate

Once the initial processing of the data is complete, or after updating a preview, you can duplicate the actual job.

This job can be saved as a template for future replications, to avoid going through the preview process and quickly export the same dataset. This also gives you the ability to try different SQL queries to better refine your dataset.

Total of 186 Records, estimated size: 372 KB
(Destination Org's data consumption was approximately 120 MB as of July 27, 2021 14:37)

- ▼ > **126 Account records will be replicated** ⚙️ ⚠️ Deselect all
 - 18 AccountContactRelation records will be replicated ⚙️
 - 2 AccountShare records will be replicated ⚙️ ⚠️
 - ▶ 18 Contact records will be replicated ⚙️ ⚠️ Deselect all
 - 1 ObjectTerritory2Association records will be replicated ⚙️ ⚠️
 - ▶ 5 Opportunity records will be replicated ⚙️ ⚠️ Deselect all
 - 1 SBQQ__Quote__c records will be replicated ⚙️ ⚠️

The following steps must be completed manually before resuming this job

- > **User Permissions - "Modify All"** ⓘ
- > **OwnBackup Will Temporarily Disable all Validation Rules, Workflows, Triggers and Processes for you** ⓘ
- > **Temporarily Disable Email Deliverability** ⓘ
- > **Review skipped objects (not supported)** ⓘ

I have adapted my destination environment for this job

Start Replicate
Duplicate Job

Cancel Job

To begin duplicating a job, click the **Duplicate Job** button at the bottom left of the results page. The duplicate job appears on the left-hand side of the page as **"Salesforce Replication (Duplicate of Job #*****)"**.

The Job number is automatically generated to reference the original replicate job.

Jobs older than 5 days are automatically deleted.
Note: jobs may contain personal data for this duration.

| | |
|--|----------------|
| Salesforce Replicate (Duplicate of Job #626686) | Job ID #627730 |
| Started 1 minute ago by yoni+stg2@ownbackup.com | |
| Salesforce Replicate | Job ID #626686 |
| Started 6 days ago by yoni+stg2@ownbackup.com | |
| Salesforce Replicate | Job ID #627542 |
| Completed about 20 hours ago by danielp+stg2@ownbackup.com | |
| Salesforce Replicate | Job ID #627289 |
| Completed 1 day ago by charlotte+stg2@ownbackup.com | |

Salesforce Replicate (Duplicate of Job #626686) Review the data that will be replicated to your Org. Job ID #627730

30%

Sync Multiple Objects: **Accounts** (hierarchy depth of 2) of the backup dated Jul 21, 2021 (04:31 PM) from [Salesforce Sandbox Data] aberkman@198sdo.com.dev400 to [Salesforce Sandbox Data] aberkman@198sdo.com.dev401 Attachments will be **excluded** from this job.

Total of 171 Records, estimated size: 342 KB
(Destination Org's data consumption was approximately 120 MB as of July 21, 2021 14:37)

- ▼ > **126 Account records will be replicated** ⚙️ ⚠️ Deselect all
 - 18 AccountContactRelation records will be replicated ⚙️
 - 2 AccountShare records will be replicated ⚙️ ⚠️
 - 18 Contact records will be replicated ⚙️ ⚠️
 - 1 ObjectTerritory2Association records will be replicated ⚙️ ⚠️
 - 5 Opportunity records will be replicated ⚙️ ⚠️
 - 1 SBQQ__Quote__c records will be replicated ⚙️ ⚠️



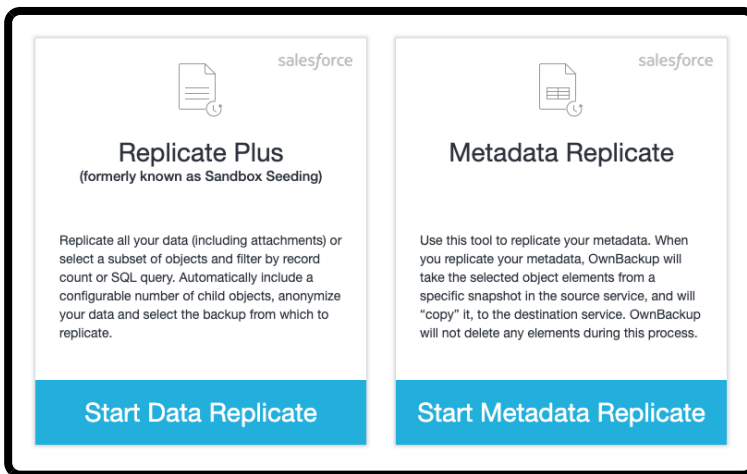
Metadata Replicate

Use the Metadata Replicate tool to replicate your metadata. When you replicate metadata, we will take the selected object elements from a specific snapshot in the source service to the destination service, and will 'copy' it, to the destination service. We will not delete any elements during this process.

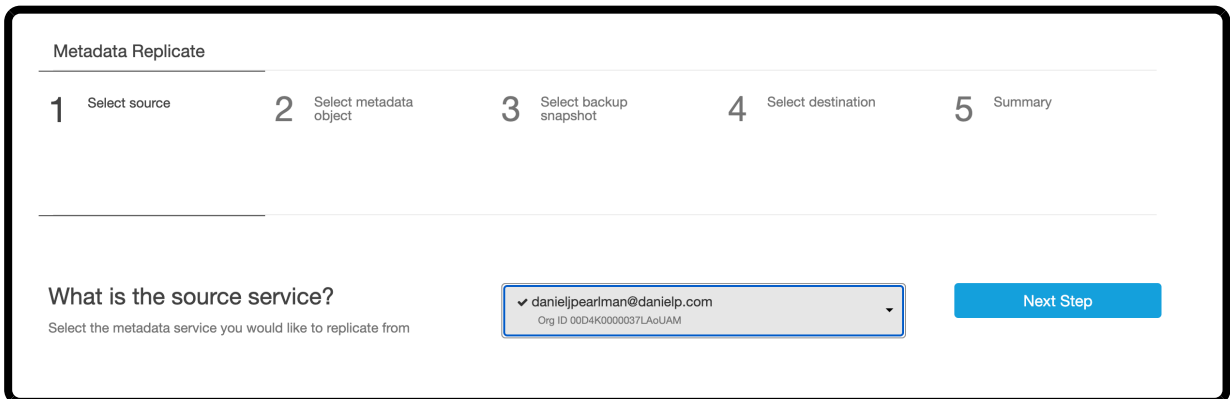
Metadata replicate supports Production to Sandbox, Sandbox to Sandbox, and Production to Production.

To replicate your metadata:

1. Sign in to your account.
2. Navigate to the Replicate tab.

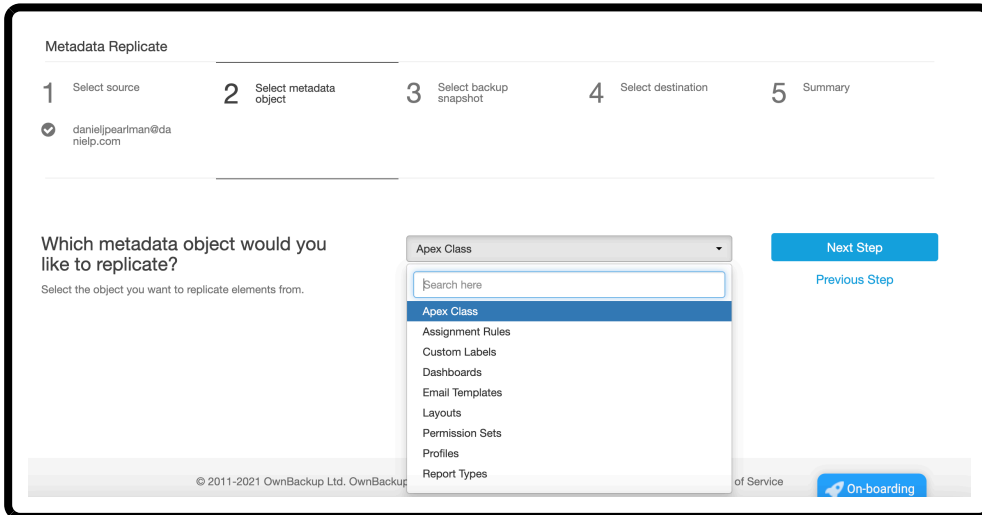


3. Click **Start Metadata Replicate**.



4. Select the source Salesforce Org from which you would like to replicate.

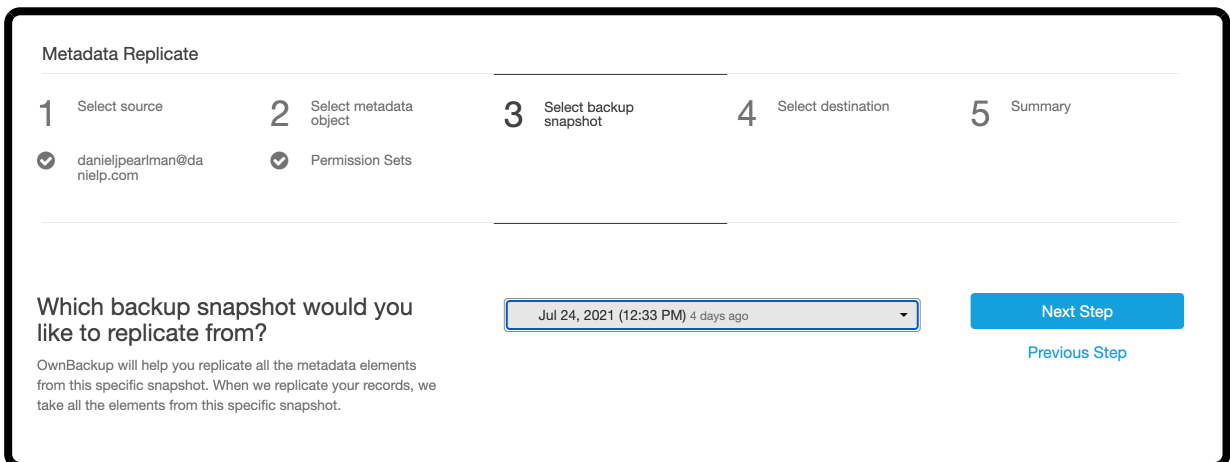
5. Click **Next Step**.



6. Choose the metadata object that you want to replicate elements from. You can type in the object rather than scrolling to search.

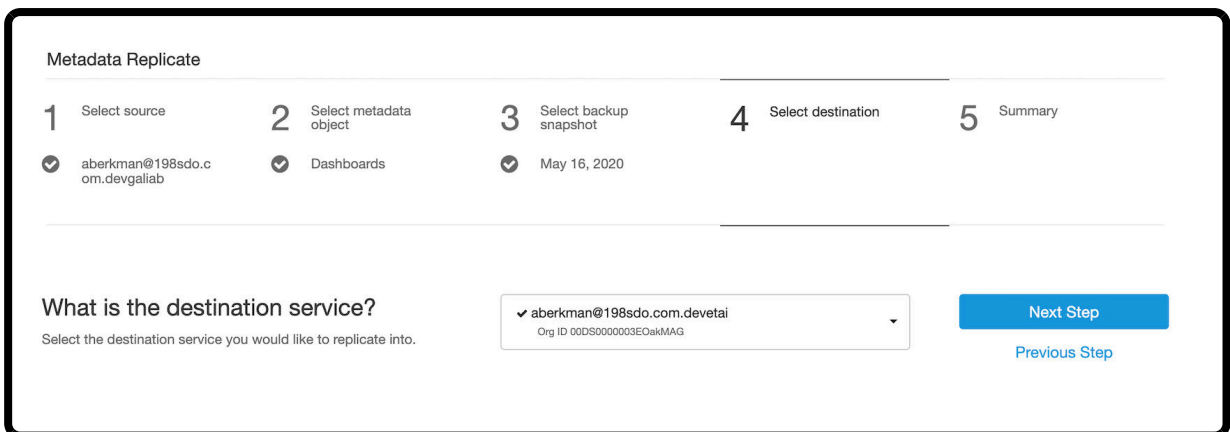
- You may restore one of these objects: Apex Class, Assignment Rules, CustomLabels, Dashboards, Email Templates, Layouts, Permission Sets, Profiles, Report Types, Reports and Workflows. For any other metadata object you need to restore, please refer to our metadata deployment guide using Workbench.

7. Click **Next Step**.



8. Select the snapshot. The snapshot will contain all the elements from this specific snapshot.

9. Click **Next Step**.



10. Select the destination service you would like to replicate into.



11. Click **Next Step**.

Metadata Replicate

1 Select source
aberkman@198sdo.com.devgallab

2 Select metadata object
Dashboards

3 Select backup snapshot
May 16, 2020

4 Select destination
aberkman@198sdo.com.devetal

5 Summary

Summary

OwnBackup will prepare metadata elements of: Dashboards
From: May 16, 2020 07:27PM
Of source service: aberkman@198sdo.com.devgallab
And will allow you to replicate them into the destination service:
aberkman@198sdo.com.devetal
OwnBackup will not delete anything from the destination service.

After you initiate the metadata replication, you will be able to select which object elements you would like to replicate. Additional elements that exist only in the destination will not be modified.

Preview Replicate
Previous Step



NOTE

Once you click on “Preview Replicate”, a backup for the destination is automatically initiated.

12. Review the details you selected, then click **Preview Replicate** to generate a complete preview. The Salesforce MetadataReplicate job begins and opens in the Jobs tab.

Salesforce Metadata Replicate Job Started Job ID #627807

Abort Job

Metadata replicate apex_class from the backup from May 26, 2021 (11:36 AM) of [Salesforce Metadata] danielpearlmanstages@danielp.com to [Salesforce Metadata] danieljpearlman@danielp.com.

> Backup Org metadata prior to replication Backup in progress

Once the initial processing of the data is complete the job preview results are displayed, and you will be presented with additional onscreen instructions.

Salesforce Metadata Replicate Please review the missing and modified metadata objects Job ID #62815

40%

Metadata replicate dashboards from the backup from May 16, 2020 (07:27 PM) of [Salesforce Sandbox Metadata] aberkman@198sdo.com.devgallab to [Salesforce Sandbox Metadata] aberkman@198sdo.com.devetal.

Review the data that will be replicated to your Org.

Search Object...

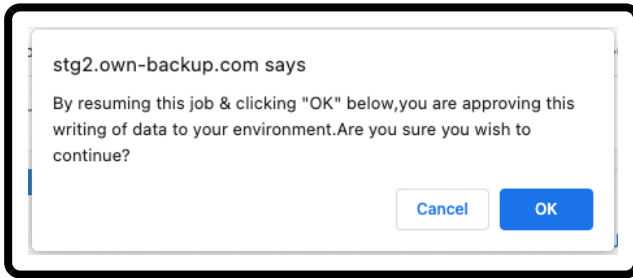
Replicate dashboards Deselect all

Replicate modified dashboard: Adoption_Dashboard / Adoption_Dashboard_Free_on_AppExchange

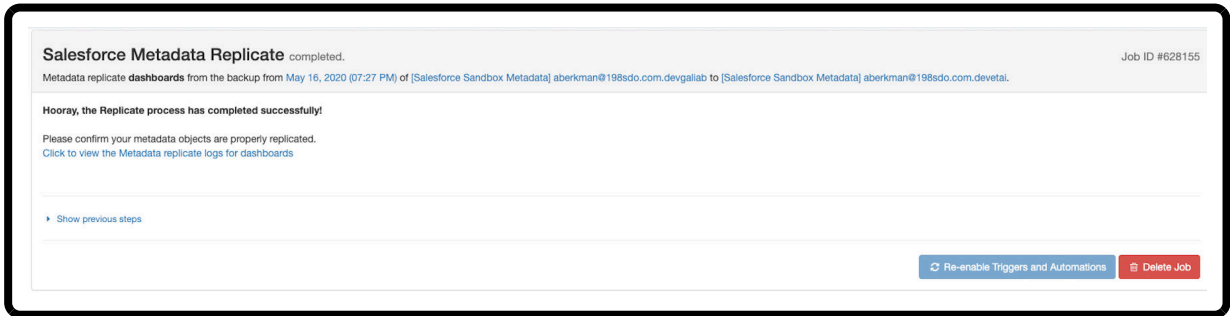
I have adapted my destination environment for this job

Resume Job Cancel Job

13. Check the **I have adapted my Salesforce environment for this job** checkbox when you are ready, then click **Resume Job**. The confirmation message is displayed.



14. Click **OK**. The replicate data process begins, when it is completed it appears as follows:



Sandbox Seeding

Sandbox Seeding will make replicating your data even more seamless. Follow the same steps as you would for standard replication. However, there are some notable enhancements which make Sandbox Seeding more powerful:

Object Filtering

If Multiple Parent Objects is selected, you will be given the option to pre-filter each of the selected objects, in the following ways:

1. Specify a number of records based on newest/oldest/random (Replicate Plus only).
2. Filter the data with specific criteria via the SQL where clause (Replicate Plus only).

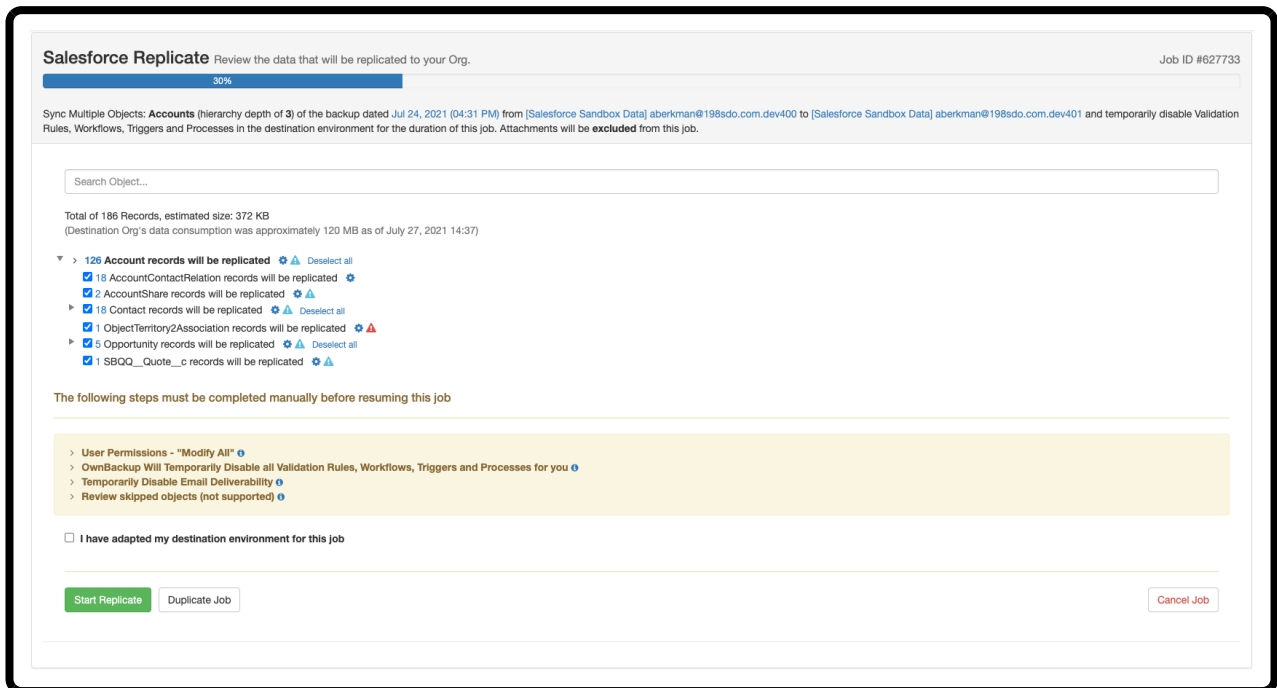
The screenshot shows the 'Data Replicate' interface at step 3, 'Filtered preview'. The progress bar at the top indicates the following steps: 1. Select source (completed), 2. Select objects (completed), 3. Filtered preview (current), 4. Select backup snapshot, 5. Select destination, and 6. Summary. Under 'Select source', 'aberkman@198 sdo.com.dev40 0' is selected. Under 'Select objects', 'Accounts' is selected. The 'Object filtering' section is active, showing a blue button labeled 'Accounts'. Below it, the text reads: 'You can narrow down the data being replicate, by filtering each object.' There are three radio button options: 'Use all records' (selected), 'Pick 50 newest records' (with a dropdown menu set to 'newest' and a lock icon), and 'SQL where clause' (with an empty text input field and a lock icon). Below the input field, the text 'Name LIKE "acme%"' is visible. On the right side, there are two buttons: 'Next Step' (blue) and 'Previous Step' (light blue).

3. Automatically disable all Validation Rules, Workflows, and Triggers (Replicate Plus only).

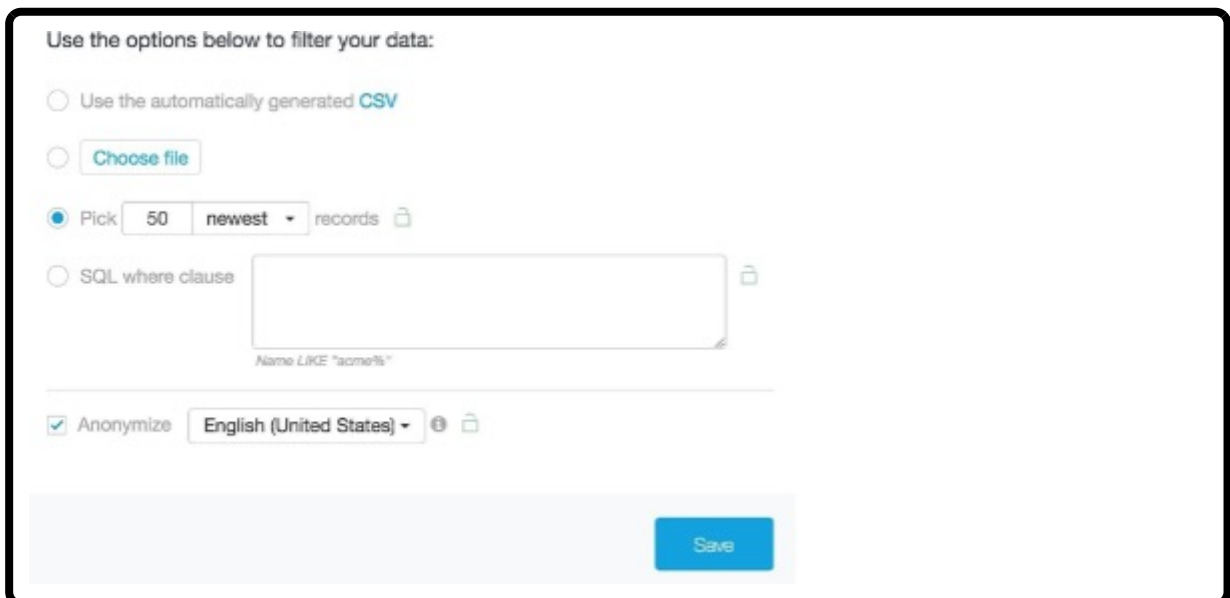
The screenshot shows the 'Data Replicate' interface at step 5, 'Select destination'. The progress bar at the top indicates the following steps: 1. Select source (completed), 2. Select objects (completed), 3. Filtered preview (completed), 4. Select backup snapshot (completed), 5. Select destination (current), and 6. Summary. Under 'Select source', 'aberkman@198 sdo.com.dev40 0' is selected. Under 'Select objects', 'Accounts' is selected. Under 'Select backup snapshot', 'Jul 24, 2021' is selected. The 'What is the destination service?' section is active, showing two radio button options: 'Same org' and 'Different org' (selected). Below the 'Different org' option, there is a dropdown menu with 'aberkman@198sdo.com.dev401' selected, and the text 'Org ID 00D2200000DEC3EAO' is visible below it. At the bottom, there is a checkbox labeled 'Automatically disable all Validation Rules, Workflows, Triggers and Processes' which is checked, with a lock icon to its right. On the right side, there are two buttons: 'Next Step' (blue) and 'Previous Step' (light blue).

Customized Data Sets

Once the Replicate Job Preview tree is ready, you can customize your data sets at the Parent AND Child level.



1. Click the advanced option icon  next to a parent sObject element.



2. Use the automatically generated CSV file.
3. Choose a file. Upload your own customized CSV file.
4. Pick a number of records based on newest/oldest/random (Replicate Plus only).
5. Filter the data with specific criteria via the **SQL where clause**. Use this option to perform advanced filtering. See [here \[22\]](#) for SQL examples. (Replicate Plus only).
6. Anonymize your data. See more details [here \[21\]](#). (Replicate Plus only).
7. Click **Save** or any changes made will not be saved.


Data Anonymization

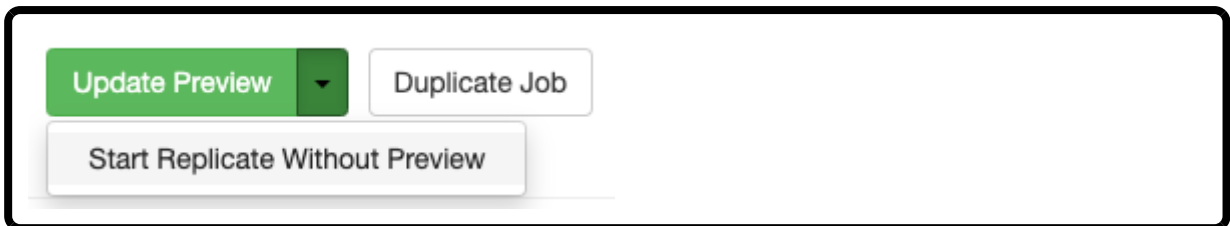
Anonymize your data so that other admins, developers, consultants, or users can run tests in their own sandbox without having access to the original sensitive data.

To maximize the data quality, a given value that is anonymized will be anonymized to the same value when encountered again on the same field type in the same Replicate Job, thus preserving the original distribution of values & data integrity.

For example, if in a certain Replicate Job, the Country field value was originally 'Cuba' and was anonymized to 'Peru', any future occurrences of 'Cuba' in a Country field for the duration of that Replication Job will remain 'Peru'.

To anonymize your data:

1. Once the Replicate Job Preview tree is ready, click the advanced option icon  next to a parent sObject element.
2. Select the **Anonymize** checkbox.
3. Select the region from the drop-down list.
4. Click **Save**.
The records in the selected step (for example 10 Tasks associated with Contacts) will only be anonymized upon clicking "Update Preview".
5. Check the **I have adapted my Salesforce environment for this job** checkbox.
6. Click **Update Preview**, or **Start Replicate Without Preview**.



7. Click **Start Replicate** to push all previewed data directly to the destination Org.

SQL Examples for Querying Data

Use SQL statements to return a collection of records that match your criteria.

- Filter all Account records where the 'IsPartner' field is checked (case sensitive comparison):
 - `isPartner = 'true'`
 - Note that the IsPartner field on the Account object will be available only in Orgs where partner relationship management (partner portal) is enabled.
- Filter all Account records where the 'IsPartner' field is checked (case insensitive comparison):
 - `isPartner = 'TRUE' COLLATE NOCASE`
- Only keep records that have two specific Record Types:
 - `RecordTypeId in ('01235000001BJrLAAW', '01215000001BJrLAAW')`
- Only keep records that their name field contains the word 'acme':
 - `Name LIKE '%acme%'`
- Only keep records where a custom field (i.e., 'Value c') is empty:
 - `Value c = ''`
- Only keep records that have a value between 2 values (i.e., between 100 and 200):
 - `cast(Value__c as integer) > 100 AND cast(Value__c as integer) <= 200`
- Keep records that meet one of several conditions (Red, Blue or Green):
 - `Color IN ('Red', 'Blue', 'Green')`
 - `Color = 'Red' OR 'Blue' OR 'Green'`
- Keep records that must meet several conditions:
 - `Cast(Height as integer) > 15 AND cast(Width as integer) < 5 AND cast(Depth as integer) >= 10`
- Keep records that do not match:
 - `Country != 'USA'`
- Replicate Accounts based on a checkbox and bring the parent account of these accounts:
 - `WHERE CopyToDev__c = 'true' OR Id IN (SELECT ParentId FROM Account WHERE CopyToDev__c = 'true')`
- Only keep records that were created on a specific date (i.e. November 27, 2017):
 - `CreatedDate = '2017-11-27'`
- Only keep records that were NOT created on a specific date:
 - `CreatedDate != '2017-11-27'`
- Find all records added after a specific date:
 - `CreatedDate > '2019-09-16T00:00:00.000Z'`

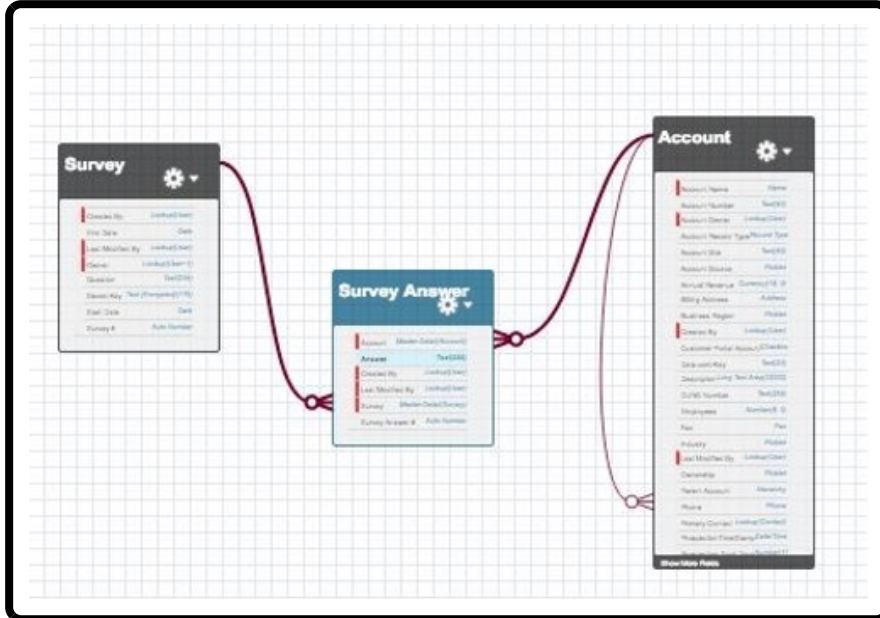


NOTE

You will need to update the date above to whichever date is applicable.

- Replicate a subset of record for each RecordType, for example 5 records of each of my 3 Accounts RecordType:
 - `Id IN (SELECT Id FROM Account WHERE RecordTypeId='A' LIMIT 5) OR Id IN (SELECT Id FROM Account WHERE RecordTypeId='B' LIMIT 5)`
 - `Id IN (SELECT Id FROM Account WHERE RecordTypeId='C' LIMIT 5)`
- Filter a Parent Object based on a Child Object Record:
 - `Id in (SELECT fieldName c FROM ParentObject$ChildObject)`
 - For example, if you want to filter Account based on the Opportunity use: `Id in (SELECT AccountId FROM Account$Opportunity)`
- In self-lookup relationships, replicate only the Tier 2 records and their associated Tier 1 records:
 - `(ParentId != '') OR (Id IN (SELECT ParentId FROM Account))`
 - For example, if Account has a self-lookup to Account, replicate only Accounts with a Parent Account and also the associated Parent Accounts.

- Filter a list of Account and select all the child Account related to them automatically:
 - (Id IN ('0010n00000y54IrAAI', '0010n00000y54JaAAI')) OR (ParentId IN ('0010n00000y54IrAAI', '0010n00000y54JaAAI'))
- Replicate a subset of records where we have 2 Parents and related Junction Object:
 - To illustrate that example, let's consider we have Account and Survey as Parent object and an object called Survey_Answer that is our Junction Object.



- On the Replicate Job, select Account and Survey
- Click the advanced option icon next to Account and select a subset of data you would like to use.
- Click the advanced option icon next to the Parent Object Survey and run the following query:


```
Id in (SELECT Survey c FROM Account$Survey_Answer c)
```
- Click the advanced option icon of Survey_Answer (Under the object Survey) and run the query:


```
Id in (Select Id from Account$Survey_Answer c)
```

Comparison Operators

| Operator | Definition/Explanation |
|----------|--------------------------|
| = | Equals |
| != | Not equals |
| < | Less than |
| <= | Less than or equal to |
| > | Greater than |
| >= | Greater than or equal to |
| LIKE | Like |
| IN | In |
| NOT IN | Not In |

Considerations and Limitations

- Field names are case insensitive, so (IsPartner = ispartner).
- When using the 'IN' operator with record IDs, you must use the 18-char version (not the 15 char) v
When using the 'LIKE' operator with records IDs, you can use the 15-char format, because this looks for a partial match.
- The '%%' operator is case insensitive.
- When using arithmetic operators, make sure to convert/cast the values to the proper format first. You can also convert real numbers to 'real'.
- Any logical expression is permitted, and you can mix/match them with parenthesis as needed.
- You can NOT do nested queries; your query only applies to the object you apply the query to.
- References to other objects is not allowed.
- Dates are stored as a string in this format (example): "2015-11-27T16:54:37.000+0000"; use the LIKE operator to search based on date/time fields.
- Use COLLATE NOCASE for case insensitive comparisons.
- In SFDC, checkbox values are stored as 'true' or 'false' (all lowercase). Excel autoconverts Boolean fields to all uppercase (true = TRUE). Use the lowercase version or COLLATE NOCASE when comparing Boolean checkbox fields.

Additional Resources

Users are supported by the Backup and Restore experts of the Support department and an online [knowledge base](#) for self-serve information.

Please do not hesitate to contact our Support team from your account or via email at Support@owndata.com.

