PRODLY Moover

Moover Fall '18 Release Notes

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Overview

The Prodly Moover Fall '18 release includes new features and enhancements to core functionality, as well as many bug fixes. This document describes the most prominent items from each category.

Because of the way Salesforce handles upgrades, if you are receiving the new version of Moover as an upgrade to your existing managed package, you need to manually perform the following upgrade steps:
- Display the new **Deployment Plans** tab.
- Add the **Use Local Schema** column to the **Data Sets (Root Elements)** list view.
- Deactivate the deprecated deployment workflow rules.

To perform the steps, refer to the *Configuration Steps for Upgrade Installations* section of chapter 1 in the [Prodly Moover User Guide](). Performing the steps should not require more than 10 minutes of your time to complete.

If you have questions, please do not hesitate to contact us at [support@prodly.co](). As you know, we appreciate hearing from you.

New Features

The Moover product team has heard your ideas and implemented a great number of them in this release. The following new features provide a richer, more intuitive relational data migration experience, helping you be more productive.

Deployment Plans

The new deployment plan feature allows you to define a step-by-step data set deployment sequence. Each deployment plan step you create identifies one or more data sets. Steps deploy sequentially. Data sets in a single step deploy concurrently. This approach offers fine-grained control of deployment order and minimum overall execution time. As Moover executes the plan, the deployment results update live just as they do now and you also receive an email when the deployment plan completes.

Moover Salesforce CPQ Templates

The days of having to store and import each data set in separate templates are over!

Starting with Salesforce CPQ version 214, Prodly provides the data sets, along with their deployment sequence, in a single Moover Salesforce CPQ template, greatly simplifying the import process.

Moover Salesforce CPQ templates contain data sets that are pre-configured to deploy Salesforce CPQ data. The templates greatly simplify your data set configuration effort for Salesforce CPQ application

reference data migration. The companion Moover Salesforce CPQ Data Migration Guide is available at https://www.prodly.co/resources#CPQGuide to assist with the process.

Versions of the templates for composite external IDs (CEID) and virtual external IDs (VEID) are available for the following Salesforce CPQ releases:
- Salesforce CPQ Summer '18 version 214
- Salesforce CPQ Spring '18 version 212
- Salesforce CPQ Winter '18 version 210
- Salesforce CPQ Summer '17 version 208

Improved UI/UX

We encourage you to familiarize yourself with the following improvements we've made to the user interface:
- In the data set editor:
  - The header now remains on screen when you scroll down.
  - The schema org settings picklist now appears in alphabetical order.
  - Data set cloning now gives visual confirmation of success.
  - On the **OBJECT FIELDS**, **PARENT OBJECTS**, and **CHILD OBJECTS** tabs, pagination arrows are now available in addition to scrolling.
  - On the **OBJECT FIELDS** tab, icons appear on master-detail and required lookup relationships for easy identification.
  - On the **OBJECT FIELDS** tab, the **Field Settings** dialog box now states which field is affected.
- The **Moover Admin** tab now provides links to more documentation resources.
- Deployment batch results now contain an **Upsert Method** column.

Skip Relationship Processing

There are use cases that need to skip processing farther down the data set element chain (that you previously identified on the **PARENT OBJECTS** and **CHILD OBJECTS** tabs of the data set editor) for some records. For example, in Salesforce CPQ, product records contain separate relational lookup fields for required product options and optional product options. To save time and space when copying test data to a sandbox, skip migrating the discount schedules, price rules, and more for the optional products by selecting **Skip Relationship Processing** on the parent lookup for the optional product options.

Salesforce API Support

Moover now supports Salesforce API v.43 (Summer '18).

Fixes

The following table lists notable bug fixes and the publicly-released version in which each fix first appears. The table is sorted by most-recent to oldest Moover development (MD) tracking number within most-recent to oldest version. To determine your Moover version, log in to your Salesforce Moover control organization and navigate to **Setup > Apps > Installed Packages**.

Description	Number	Version
April 4, 2019		
Duplicate records are created instead of updating the existing record using VEID upsert method. After a Salesforce refresh of a full copy or partial sandbox, records Moover deployed from production to a dev sandbox and then from the dev sandbox to the full copy or partial sandbox were being inserted into the full copy or partial sandbox creating duplicates. This issue has been resolved and Moover now recognizes the records as matches and updates the existing destination records rather than inserting duplicates.	MD-3242	1.156 backend
March 15, 2019		
Intermittent HTTP 400 error when updating results in the control org. A few deployments would intermittently experience an HTTP 400 error when updating results in the control org. A fail safe retry mechanism has now been put in place to work around this apparent Salesforce API issue.	MD-3213	1.156 backend
Heap size error in editor with a large schema org. Using a remote schema org with very large number of standard and custom objects (in the thousands) would result in a heap size error when working in the data set editor. We've implemented a fix to eliminate the error from occurring in the editor. Moover is now able to handle large schemas with thousands of objects.	MD-3140	1.156 backend
February 14, 2019		
Using one bulk query request per person account record. When moving more than 800 person account records, Moover would execute one bulk API request for each record over 800. This issue has been resolved to execute maximum records per bulk API call.	MD-3144	1.156 backend
INVALID_FIELD error querying for the Owner field on the Asset object.	MD-3129	1.156 backend

Certain configurations on a data set could cause the Moover service to query the Owner ID field on an Asset object, creating an error because the Asset object does not support owners. This issue has now been fixed.		
New Prodly corporate phone number in email notifications. The new Prodly corporate phone number now appears on all deployment email notifications.	MD–3081	1.156 backend
January 30, 2019		
Update reference data guide documentation link on Admin tab. The documentation links on the Moover Admin tab have been updated to provide access to the new Field Service Lightning, Salesforce Billing, and Salesforce Advanced Approvals Reference Data Deployment Guides.	MD–3103	1.156
Distorted space between components on the new connection page. The space between components on the new connection page shrunk with the latest Salesforce Spring '19 release because of the change in styling imports. The styling has been corrected.	MD–3085	1.156
Getting a pop up while creating a connection in lightning view. The Salesforce Spring '19 release introduced a new VisualForce confirmation dialog box during connection creation. Moover now handles the confirmation without the need for user interaction.	MD–3084	1.156
Erroneous error message when importing data sets from template files. Starting in the Spring '19 release, an error message was shown when importing data sets from Moover templates on the Moover Admin tab. This has now been fixed.	MD–3082	1.156
Deployment result page sections are getting collapsed automatically. Sections on the deployment result page that users had expanded were being collapsed by Moover when the deployment result page was automatically refreshed. This has now been fixed.	MD–3052	1.156
Moover Reports. A rich set of reports is now included in the Moover managed package to help you track your deployments. To access them, add the Reports tab to your Moover app. For ease in locating them, the word "deployment" appears in all the report names.	MD–2987	1.156
Add ability to exclude orgs from Destination Salesforce Organization list. We've added a Do Not Allow As Destination checkbox to the Connection object. When selected, the connection does not appear in the Destination Salesforce	MD–2886	1.156

Organization list in the deployment center.		
December 18, 2018		
Maximum number of duplicate updates in a batch error for partial update. When a data set element had two or more circular or self-reference relationships, the partial update of those records during the second pass at the end of the deployment would fail because the Salesforce bulk API does not allow each record to be inserted individually once for each such relationship. This issue is now fixed and all such relationships are set during the second pass as part of one update record.	MD-3071	1.152 backend
Correct phone number in email template. The Prodly corporate phone number is now shown on all deployment email notifications. Previously, a placeholder number was shown.	MD-3069	1.152 backend
Null pointer exception when Salesforce throws an incomplete error. Intermittently, the Salesforce Bulk API was throwing an error without setting all of the details fields. In such instances, the Moover Salesforce app displayed a Null error in the deployment results. This issue is now resolved and the appropriate error message will be displayed.	MD-3059	1.152 backend
November 27, 2018		
Increase the number of deployable text area fields per data set element. Increases the deployable text area fields (includes multi-line text and rich text area fields) governor limit from 5 to 10. This maximum number of text area fields is per object (data set element), not per data set.	MD-3063	1.152 backend
November 17, 2018		
Duplicate fields in deployment query. When an object with a relationship to a user had the Replicate Owner option selected, the "Duplicate field selected: OwnerId" error would occur. This bug has been resolved.	MD-3025	1.152
Only deployed 200 individually-selected fields. When a data set had more than 200 fields individually selected (instead of using Copy All Fields), Moover was processing only the first 200 fields. This bug is fixed.	MD-3018	1.152
Exceeded max file size error during deployment. When deploying a record with a large number of fields with long data values, an Exceeded Max File Size error could result. Moover now supports much larger	MD-3010	1.152

sizes.		
Tooltip for instance type is incorrect for QA. The tool tip for a custom setting controlling which environment Moover points to has been updated with the correct value for the QA environment.	MD-3003	1.152
Standardized identifier for person account records. The mechanism by which Moover identifies person account records has been improved to use the standard Salesforce recommended fields – https://developer.salesforce.com/docs/atlas.en-us.api.meta/api/sforce_api_guidelines_personaccounts.htm. Batches that contain both person as well as business accounts now get processed and deployed correctly every time.	MD-2988	1.152
Limit total number of deployed records per data set element. Limits the maximum total number of deployed records per data set element to 100,000 records. This limit is per object (data set element), not for the entire data set.	MD-2836	1.152
Delayed values for update and upsert. Allows you to set a temporary value during a record update or upsert, delaying setting of the actual value until the end of the deployment. Use to bypass custom workflows and validations for existing records.	MD-2685	1.152
Limit total deployment time. Limits the maximum total deployment time to 12 hours. This limit applies to both individual data set deployments, as well as for deployment plans. For deployment plans, the limit is cumulative for all data sets within the plan, not per data set.	MD-2656	1.152
Limit total number of deployed fields per data set element. Limits the maximum total number of deployed fields per data set element to 900 fields and 5 text area fields (includes multi-line text and rich text area fields). This limit is per object (data set element), not per data set.	MD-1903	1.152
Text ID mapping. Use this feature to map Salesforce record IDs found in text fields to the corresponding record ID in the destination org. Allows text fields to have valid record ID values in the destination org.	MD-1575	1.152
October 7, 2018		
DataSetEditorController : Attempt to de-reference a null object – Parent. This error occurs when editing the parent relationship in the data set editor.	MD-2926	1.151.3

Add a hardcoded max for the number of active connections loaded in the editor. For the schema org connection picklist in the data set editor, Moover was loading all active connections available in the control org. For control orgs with a large number of connections, this approach used a sizeable amount of heap space and view-state space, which caused memory issues. There is now a fixed limit of 300 connections shown sorted by descending order based on the Last Modified Date field.	MD-2890	1.151.3
Scroll window is reduced vertically in browser full screen. In the data set editor, extra blank space was appearing at the bottom of the window after changing the browser window from resizeable to maximized.	MD-2877	1.151.3
Heap size error when many users open multiple data sets in the same org. Moover saves the state of each section in the data set editor per user in protected custom settings. When many users in the same control org open multiple data sets in separate browser windows, Moover was loading all setting instances, using up all available heap space (memory). The editor has been changed to only load the relevant settings for each user and data set.	MD-2873	1.151.3
Getting an intermittent error of List index out of bounds: 3. This error occurs when editing a data set.	MD-2833	1.151.3
View state error when trying to set a schema org on a data set. We have further optimized the data set editor memory usage to prevent view state errors with larger control and schema org schemas.	MD-2658	1.151.3
September 29, 2018		
Allow auto number field to deploy to text field.	MD-2872	1.151.2
Update service queries to query more records.	MD-2868	1.151.2
Finished status in moover_deployment_log table getting updated after each item of plan.	MD-2843	1.151.2
Getting error when deployment plan item references an inactive data set root element.	MD-2803	1.151.2
August 22, 2018		
Query exceeded more than 20 k char limit in processUpsert method.	MD-2849	1.151 backend
Creating missing fields for Person Account takes a long time.	MD-2842	1.151 backend
August 19, 2018		

Getting a permission denied error for the BusinessHours object.	MD–2689	1.151
Getting null pointer exception in the Deployment Center.	MD–2688	1.151
Connect button for creating connections is not positioned in the correct place in Lightning Experience.	MD–2681	1.151
User is not able to import data set or deployment plan if the size is more than 970 KB.	MD–2629	1.151
Remove clone button from Template tab.	MD–2627	1.151
Rename "data set templates" to "template" in the Template tab.	MD–2626	1.151
Remove unsupported schema objects from selector.	MD–2625	1.151
Add titles and guides to documentation section of Moover Admin tab.	MD–2618	1.151
Attempt to dereference null object in DeploymentService class.	MD–2578	1.151
Bump up version of the API to summer '18 in both SFDC app and the back end.	MD–2499	1.151
Auto–number field type should not display string in the data set editor.	MD–2452	1.151
Developer script exception: DataSetEditorController : Attempt to de–reference a null object.	MD–2451	1.151
Add Upsert Method column to Deployment Batch Results section of the deployment results page.	MD–2450	1.151
Search field selection selects all fields after clearing search results.	MD–2420	1.151
UI problem on Deployment Result page.	MD–2376	1.151
Folder UI is not consistent when updating data set through the Edit button.	MD–2374	1.151
Data Set should be Data Set Element on batch and individual Deployment Results.	MD–2372	1.151
Tooltip info content hidden when data set editor header freezes at the top.	MD–2323	1.151
Info message "Pausing Deployment…" remains even though the deployment status is showing "Paused".	MD–2311	1.151
Data set opens in theSalesforce Classic view when opened from the deployment center in Lightning Experience.	MD–2310	1.151

Unnecessary space around the pagination controls in the data set editor tabs.	MD-2309	1.151
Getting error of Invalid request: deployment has already finished.	MD-2304	1.151
Field properties not reset after checking / unchecking the field.	MD-2303	1.151
Info help within Field Settings dialog not visible on all fields	MD-2302	1.151
Remove "Element" from the default data set element names.	MD-2301	1.151
Cloning data sets, no visual confirmation that the data set cloned, or that I am editing the cloned data set.	MD-2272	1.151
Add a trigger on the Deployment Plan Item object.	MD-2257	1.151
After breaking the relationship, data set still shows on the breadcrumb navigation.	MD-2256	1.151
Folder layout related lists should be on the right side in Lightning Experience.	MD-2255	1.151
Self-lookup object link is not removed after deselect.	MD-2254	1.151
Field Properties are not reset when changing the deployment object.	MD-2253	1.151
When picking the schema org within the data set editor, the list of orgs should be alphabetized.	MD-2250	1.151
Field properties not reset after unchecked.	MD-2247	1.151
Object field is automatically checked after deployment though only property(fixed value) was selected for that object field.	MD-2231	1.151
Deployment status is finished but deployment buttons (Delete, Stop, and Pause) are visible.	MD-2227	1.151
Remove Data Set Root column from the default All list view.	MD-2225	1.151
Show lookup field detail icons.	MD-2200	1.151
Add pagination controls at the top of the page.	MD-2199	1.151
Getting error CPU time limit exceed.	MD-2193	1.151
All fields get selected on the non-root data set elements when selecting the table header checkbox of the data set root element.	MD-2192	1.151
Freeze the data set editor header at the top of the page when scrolling down.	MD-2183	1.151

Add element and object names to the Field Settings dialog box header.	MD–2182	1.151
Refreshing deployment result page should not hide batch results for a few seconds.	MD–1935	1.151
Getting null pointer exception when opening a data set from the list view's relationship link.	MD–1897	1.151
Getting info message when clicking on pause/stop button on the deployment result page.	MD–1892	1.151
Getting null pointer exception when opening a data set that was deleted from another browser window.	MD–1888	1.151
Add option to skip data set relationship processing during deployment.	MD–1885	1.151
Getting null pointer exception when moving to a parent object data set.	MD–1867	1.151
Schema org is not switching to default when selecting the blank picklist value.	MD–1838	1.151
In the dataset object child section search box content, Show Managed Only checkbox and namespace search box content do not reset.	MD–1808	1.151
In the data set editor, the object field section search box does not reset.	MD–1807	1.151
Icon should be different for external id and enforce strict query filter.	MD–1772	1.151
Retire workflow notifications from the Salesforce app.	MD–1708	1.151
Add ability to define and execute deployment plans.	MD–1697	1.151
Batch Operation should show in Deployment Batch Results list on deployment page.	MD–1639	1.151
When the control org is invalid, display better error message when creating other connections.	MD–1188	1.151

Known Issues

The following table identifies known issues with Prodly Moover.

Description	Number
Attachments larger than 25MB cause null error during deployment.	MD–2927
Getting error when time field is selected as an external id with a CEID upsert method.	MD–2829

Fields are not being created when Ignore Namespace checkbox is selected.	MD-2813
Data set failure count is not accurate when using the same data set in multiple steps.	MD-2777
Master-detail lookup field is not being created by the create missing field functionality.	MD-2644
Data set editor support to view deployment plan in the list view is not adjusted properly.	MD-2631
Field Properties button disappears after unchecking external id.	MD-2574
Getting error "Attempt to de-reference a null object" while unchecking Deploy Last property setting on master-detail reference field.	MD-2559
Do not show external id icon if data set Upsert Method is VEID.	MD-2558
User is not able to enter an equals (=) sign in the query filter area.	MD-2515
Pop up of the limitations while deselecting data set is occurring in the deployment center.	MD-2510
After clicking Deploy in the data set editor, Cancel on the deployment page should return to the data set editor.	MD-2488
Object field should stay checked after unchecking the external id.	MD-2487
Diagram view with long name for data set root element does not display correctly when hovering mouse over.	MD-2485
Copy All Fields should not stay unchecked when the user changes the Deployment Object.	MD-2458
Complex formula field not created if dependent field is multi-picklist and global picklist not available in target.	MD-1541
Can't add Deployment Object to data set list views.	MD-1015
Create connection and deny authorization.	MD-465
New connection wizard window not advancing.	MD-259
In Lightning Experience, after deleting deployment data set results, page isn't refreshed.	MD-97