

Querying Flows and Mass Deleting Old Versions

A Warning in Advance

Via the tooling api, we're going to delete some historic flow versions, this is super useful when you have reached the short limit of 50. However, you can lose useful history that past you might have wanted to save.

Accessing the Tooling API

You can access the tooling API via the [Salesforce Inspector chrome extension](#), there is a checkbox at the top which points you at the Tooling API:

The screenshot shows the Salesforce Inspector chrome extension interface. At the top, there's a header bar with the following controls:

- Export query** (checkbox)
- ☐ Include deleted and archived records?
- ☒ Use Tooling API?
- Query history (dropdown menu)
- X (close button)

Below the header, there's a "Saved queries" section with a dropdown menu and three buttons: +, X, and XX.

The main query area contains the following SQL query:

```
SELECT Id, VersionNumber, Status, Description, MasterLabel, CreatedDate  
from Flow Where MasterLabel = 'Case Updates' AND Status != 'Active' ORDER BY CreatedDate ASC limit 19
```

Below the query, there's a "Flow fields:" section with an information icon (i) and a plus icon (+).

A green arrow points to the **Export** button.

Below the export button, there's a section for the export result with the following controls:

- Export result**
- Copy (Excel format)
- Copy (CSV)
- Copy (JSON)
- Filter results (input field)

Below these controls, there's a table with 7 columns: Id, VersionNumber, Status, Description, MasterLabel, and CreatedDate. The table contains 11 rows of data, each representing a flow version. The first column of the table is labeled "Flow" and contains a link to the flow.

Below the table, there's a status bar that says "Exported 11 record(s)." and a "Stop" button.

	Id	VersionNumber	Status	Description	MasterLabel	CreatedDate
Flow	3012p000000ZN1mAAG	1	Draft		Case Updates	2020-02-10T18:19:43.000+0000
Flow	3012p000000ZNHGAA4	2	Obsolete		Case Updates	2020-02-11T17:49:09.000+0000
Flow	3012p000000ZNahAAG	3	Draft		Case Updates	2020-02-14T17:15:30.000+0000
Flow	3012p000000ZNj0AAG	5	Draft		Case Updates	2020-02-17T15:48:46.000+0000
Flow	3012p000000ZNI1AAG	8	Obsolete		Case Updates	2020-02-18T07:51:13.000+0000
Flow	3012p000000ZNI6AAG	9	Obsolete		Case Updates	2020-02-18T08:08:45.000+0000
Flow	3012p000000ZR7PAAW	11	Obsolete		Case Updates	2020-03-27T10:06:26.000+0000
Flow	3012p000000ZbQMAA0	12	Obsolete		Case Updates	2020-08-06T13:07:28.000+0000
Flow	3012p000000ZbShAAK	13	Draft		Case Updates	2020-08-06T15:48:41.000+0000
Flow	3012p000000hhNiAAI	15	Obsolete		Case Updates	2021-05-05T08:50:00.000+0000
Flow	3012p000000hhNsAAI	16	Draft		Case Updates	2021-05-05T08:51:42.000+0000

You can also access the Tooling API via the developer console:

File Edit Debug Test Workspace Help < >

InteractionDefinitionVersion@4:33 PM

SELECT Id, VersionNumber, Status, Description, MasterLabel, CreatedDate from Flow Where MasterLabel = 'Case Updates' AND Status != 'Active' ORDER BY CreatedDate ASC limit 19

Query Results - Total Rows: 11

Id	VersionNumber	Status	Description	MasterLabel	CreatedDate
3012p000000ZN1mAAG	1	Draft		Case Updates	2020-02-10T18:19:43.000...
3012p000000ZNHGAA4	2	Obsolete		Case Updates	2020-02-11T17:49:09.000...
3012p000000ZNahAAG	3	Draft		Case Updates	2020-02-14T17:15:30.000...
3012p000000ZNj0AAG	5	Draft		Case Updates	2020-02-17T15:48:46.000...
3012p000000ZNI1AAG	8	Obsolete		Case Updates	2020-02-18T07:51:13.000...
3012p000000ZNI6AAG	9	Obsolete		Case Updates	2020-02-18T08:08:45.000...
3012p000000ZR7PAAW	11	Obsolete		Case Updates	2020-03-27T10:06:26.000...
3012p000000ZbQMAA0	12	Obsolete		Case Updates	2020-08-06T13:07:28.000...
3012p000000ZbShAAK	13	Draft		Case Updates	2020-08-06T15:48:41.000...

Query Grid: Save Rows Insert Row Delete Row Refresh Grid Access in Salesforce: Create New Open Detail Page Edit Page

Logs Tests Checkpoints Query Editor View State Progress Problems

SELECT Id, VersionNumber, Status, Description, MasterLabel, CreatedDate
from Flow Where MasterLabel = 'Case Updates' AND Status != 'Active' ORDER BY CreatedDate ASC
limit 19

Any query errors will appear here...

Execute ☒ Use Tooling API

History

Executed

SELECT RecordId, HasReadAccess, HasTr...

SELECT RecordId, HasReadAccess, HasTr...

SELECT Id, VersionNumber, Status, Descri...

[Tooling API Developer Documentation](#)

What versions could I remove?

```
SELECT Id, VersionNumber, Status, Description, MasterLabel, CreatedDate  
FROM Flow  
WHERE MasterLabel = 'Case Updates' AND Status != 'Active' ORDER BY CreatedDate ASC limit 19
```

Generally limit yourself to one flow at a time, for ease this example limits via the Masterlabel, as per the above image, you can see that it returns both drafts and obsolete versions. Beware, you do not want to remove your current draft with changes in it!

Deleting versions

In Salesforce Inspector, you can simply copy the excel output from the query and paste that into the upload box of a data import window:

☒ Use Tooling API?

Action Delete

Object Flow

Format ☒ Excel ☐ CSV

Data

Paste Excel data here

Batch size 200

Threads 6

Import Cancel queued Retry failed

Copy options

Status ☒ 11 Queued ☒ 0 Processing ☒ 0 Succeeded ☒ 0 Failed

Field mapping

Id

_VersionNumber

_Status

_Description

_MasterLabel

_CreatedDate

Copy (Excel format) Copy (CSV)

[Import here](#)

	Id	VersionNumber	Status	Description	MasterLabel	CreatedDate
[Flow]	3012p000000ZN1mAAG	1	Draft		Case Updates	2020-02-10T18:19:43.000+0000
[Flow]	3012p000000ZNHGAA4	2	Obsolete		Case Updates	2020-02-11T17:49:09.000+0000
[Flow]	3012p000000ZNahAAG	3	Draft		Case Updates	2020-02-14T17:15:30.000+0000
[Flow]	3012p000000ZNj0AAG	5	Draft		Case Updates	2020-02-17T15:48:46.000+0000
[Flow]	3012p000000ZNI1AAG	8	Obsolete		Case Updates	2020-02-18T07:51:13.000+0000
[Flow]	3012p000000ZNI6AAG	9	Obsolete		Case Updates	2020-02-18T08:08:45.000+0000
[Flow]	3012p000000ZR7PAAW	11	Obsolete		Case Updates	2020-03-27T10:06:26.000+0000
[Flow]	3012p000000ZbQMAA0	12	Obsolete		Case Updates	2020-08-06T13:07:28.000+0000
[Flow]	3012p000000ZbShAAK	13	Draft		Case Updates	2020-08-06T15:48:41.000+0000

Note the Tooling API checkbox at the top, if using the above query, you will need to skip all the other column headers, as the delete operation expects a list of Id's.

It doesn't appear that dev console can delete flows unfortunately.

Revision #3

Created 13 April 2022 15:17:33 by ride_whenever

Updated 13 April 2022 15:43:25 by ride_whenever