



## Missing and duplicate commits

Tags: [Flow](#)

This article covers common reasons for missing commits and duplicate commits.

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### Missing commits

If you are unable to find a commit in one or all of your reports, check to see if any of the below reasons apply to your missing commit.

#### Are your repositories completely updated?

Sometimes your data might be in the process of updating. Your repos are updated approximately every few hours—as long as there is a connection to your repo. If your repositories are not successfully updating, learn more about [blocked repositories](#) for common causes and troubleshooting solutions.

#### Have you pushed your commit to the server?

Flow will not see your commit until it has been pushed to the server.

#### Is your commit hitting our outlier detection?

If you see a commit in the **Work log** but not in other reports, you might be hitting our outlier detection. The **Work log** is a record of truth and will have all of your commits. If your commit is hitting outlier detection, it will not be included in calculations on any other report. We created outlier detection to remove commits from metrics that are likely not done by a real human in one day—things like minified js files, or importing a library. Learn more about [outlier detection](#).

#### Has your commit been squashed?

If your commit has been squashed, you may not see your original pre-squashed commit in Flow. Flow will display the revised commit post-squash since we look to Git for the record of truth for your commit data. If you would like more information on how we handle squashed commits, learn about [squashing commits](#).

#### Has your commit been amended?

If your commit has been amended, just like squashing you will not see the original commit in your reports. Flow will display the revised commit post-amend since we look to Git for the record of truth.

## Do you commonly Git push--force?

If you force push your local work to a remote server without pulling in new work that has recently been merged, you risk overwriting this work, thereby altering your Git history and deleting commits.

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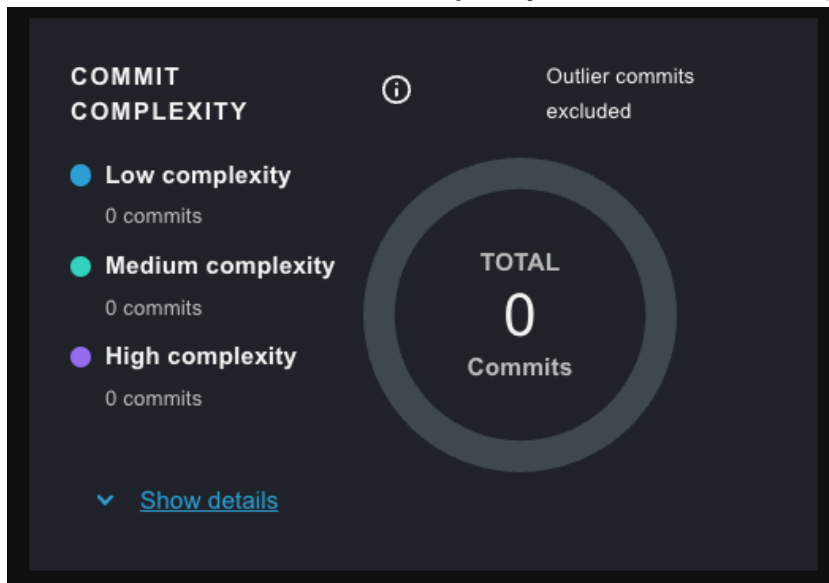
## Duplicate commits

Sometimes you may see two commits in Work log or Check-in that look very similar and wonder whether Flow is showing duplicate commits.

Flow filters by unique commit SHAs in all of the reports. So chances are, the duplicate commits you are seeing are actually unique.

If you'd like to investigate whether two commits are duplicates:

1. Navigate to the **Check-in** report.
2. Choose the user who authored the commit, and the date range it was created in.
3. Click **Show details** under **Commit complexity** to view the Commit complexity details panel.



4. Next, click on a link to the commits in question from the Commit complexity details panel.

**Commit complexity details**

All commits ▾

DATE ↓	TIME	COMMIT MESSAGE	NEW WORK ↕	LEGACY REFACTOR ↕	HELP OTHERS ↕	REWORK (CHURN) ↕	COMMIT COMPLEXITY ↕
Fri Oct 29	2:10pm	<a href="#">feat: export StatusCell from</a>	12.8%	68.2%	10%	9%	Low
Thu Oct 28	2:10pm	<a href="#">fix: date issue</a>	12.8%	10%	9%	68.2%	High
Wed Oct 27	2:10pm	<a href="#">build: release</a>	68.2%	12.8%	10%	9%	Medium
Tues Oct 26	2:10pm	<a href="#">build: release</a>	12.8%	10%	68.2%	9%	Medium
Mon Oct 25	2:10pm	<a href="#">fix: styles</a>	12.8%	68.2%	10%	9%	Low
Sun Oct 24	2:10pm	<a href="#">fix: lint</a>	68.2%	12.8%	10%	9%	High
Sat Oct 23	2:10pm	<a href="#">fix: lint</a>	12.8%	68.2%	9%	10%	Medium
Fri Oct 22	2:10pm	<a href="#">fix: another modal toggle</a>	12.8%	10%	68.2%	9%	High
Thurs Oct 21	2:10pm	<a href="#">fix: modal toggle performance</a>	12.8%	9%	10%	68.2%	Medium
Wed Oct 20	2:10pm	<a href="#">fix: cleanup</a>	68.2%	12.8%	10%	9%	High

Clicking on a link to a commit takes you to your git host, where you can inspect the URL and ensure that the commit SHAs of similar commits are unique.

## Commits showing 0 lines of code

If your commit in one or all of your reports says **0 lines of code affected**, this could be due to any of the following reasons:

- The commit had no changes.
- The commit had changes only in the files [excluded from processing](#).
- The commit is an outlier because it contains a greater number of lines of change than we allow in a single commit.
- The commit is an outlier because it contains a greater number of files with changes than we allow in a single commit.
- The change only consists of whitespace.

If you need help, please contact [Pluralsight Support](#).