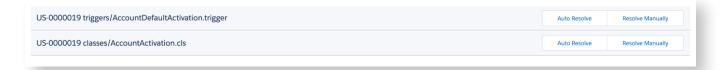## GIT MERGE CONFLICT

Git merge conflict arises when developers commit changes to two separate branches but on the same line of code or file.

Copado encounters disparity between files when:

- The feature branch is merged into the source Org's branch.
- The feature branch is merged into the Promotion branch.

COPADO RESOLVES CONFLICT VIA

- **Auto-Resolve:** Copado will apply a different auto-resolve conflict strategy depending upon the file type.
- **Manual Resolution:** Copado will allow users to resolve the conflict manually and enable them to apply a proper conflict resolution strategy.

| US-0000019 triggers/AccountDefaultActivation.trigger | Auto Resolve | Resolve Manually |
| US-0000019 classes/AccountActivation.cls | Auto Resolve | Resolve Manually |

ONLINE CONFLICT RESOLUTION

Copado has an Auto-Resolve feature that helps you to resolve conflicts in Git automatically. However, you sometimes come across complex metadata types where resolving the conflict automatically would not be a perfect solution.

In such cases, a manual resolution is required, commonly known as the **Online Conflict Resolution feature** across Copado.

While working with Copado to resolve conflicts manually, you can tell Copado to not resolve the conflicts automatically for certain sets of files.

You can do so by uploading a **.copado_exclude_autoresolve** file in the git repository. Here, you can specify a list of files, file types, or files matching a specific pattern you want to exclude from auto resolve.

5 STEPS TO RESOLVE CONFLICT MANUALLY

1. Select **Review Conflicts** under Changes tab from Promotion record.
2. Select the **Resolve Manually** option.
3. Once the conflict is resolved manually, click on **Save**.
4. Click **Continue Promotion**.
5. Restart the job execution for Promotion.

SMART CONFLICT RESOLUTION FUNCTIONALITY

This feature allows you to apply the last conflict resolution strategy stored for a particular conflict. Once a conflict has been resolved manually and the resolution strategy is stored, Copado marks the conflict as Smart Resolved.

In addition, Copado will attach a JSON file named *GitConflictsResolution* to the promotion record, indicating that the implemented resolution strategy was SMART ONLINE.

COPADO ACADEMY