

Git Workflows in Talend

Last updated by | Archana Balachandran | May 27, 2020 at 5:01 PM EDT

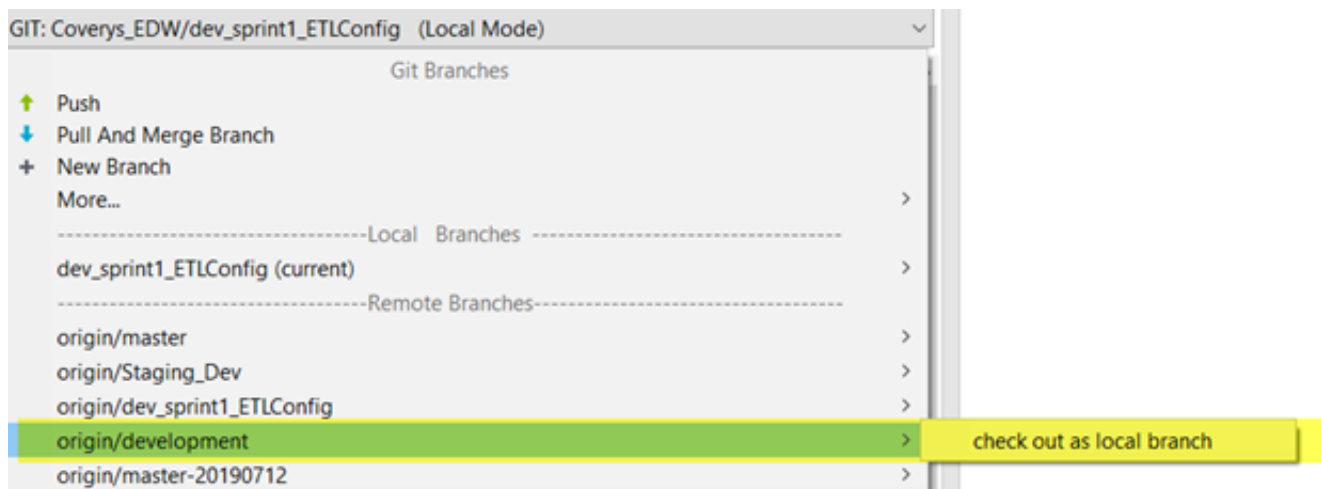
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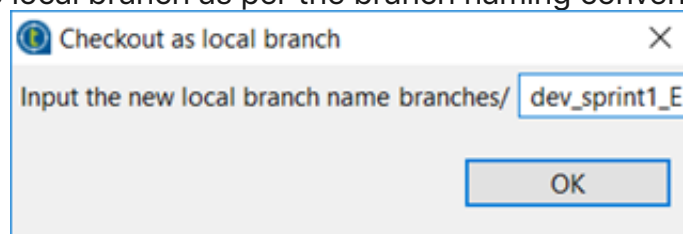
Creating local branches from DevOps

Creating local branches from DevOps for development – The following instructions will walk through pulling projects/branches from DevOps into your local Talend work space.

1. Open Talend Cloud Data Management Platform. From the 'Repository' panel on the left, check out the remote 'development' branch as a local branch from the GIT dropdown menu.



2. Provide a name for the local branch as per the branch naming convention. E.g.

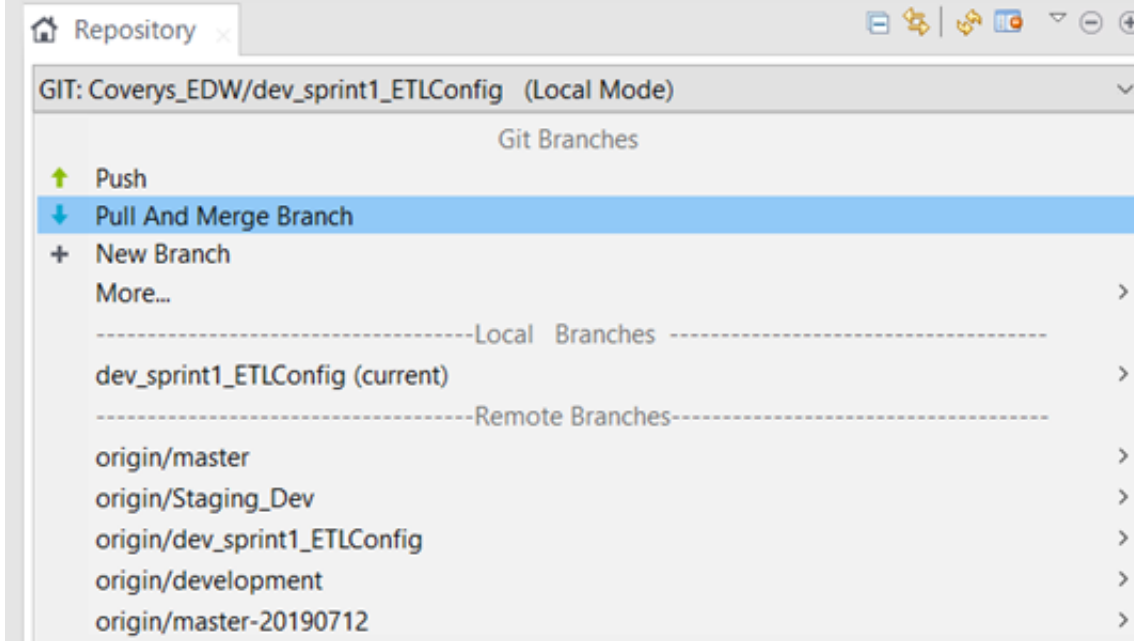


dev_sprint1_ETLConfig

Alternatively, you can select 'New Branch' option and select the appropriate origin branch.

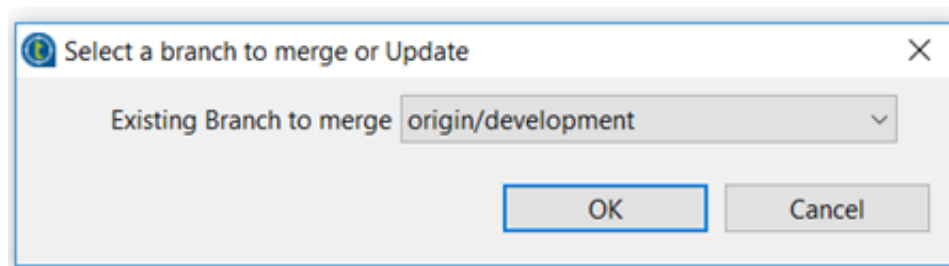
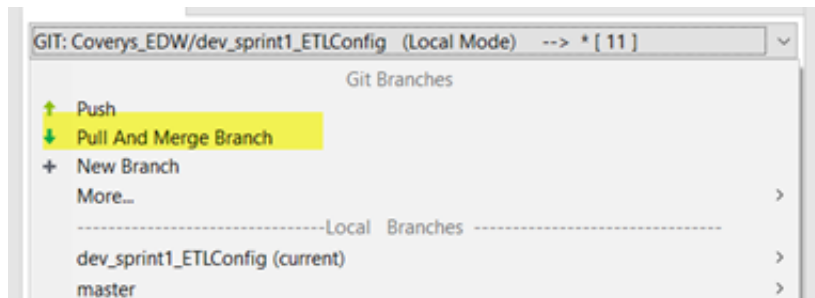
Syncing changes with Latest Remote Development branch

Select 'Pull and Merge Branch' to ensure all additional changes are merged into the newly created local branch. There may not be any changes when you first perform this right after you pulled the remote

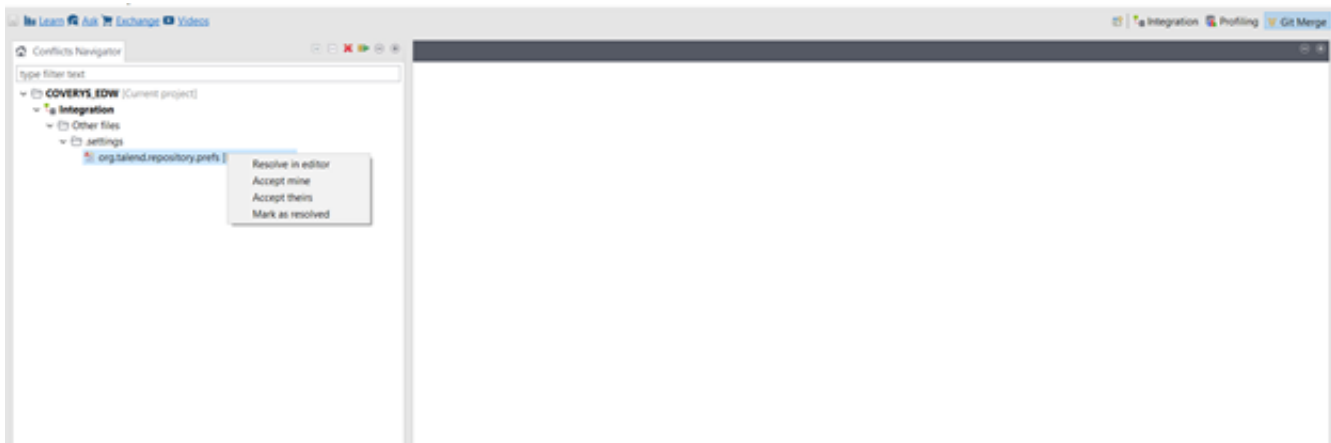
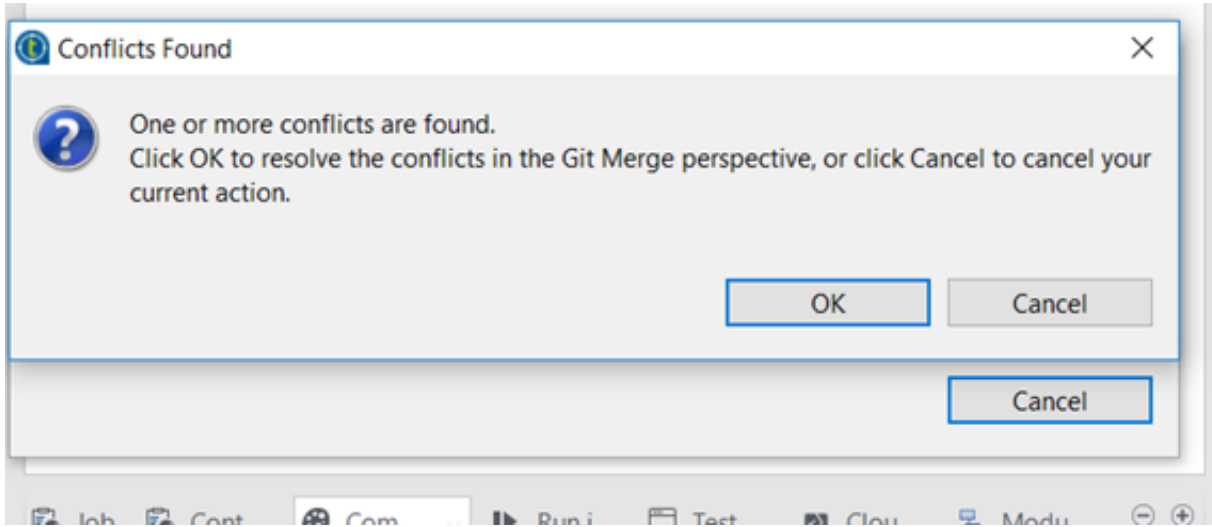


branch.

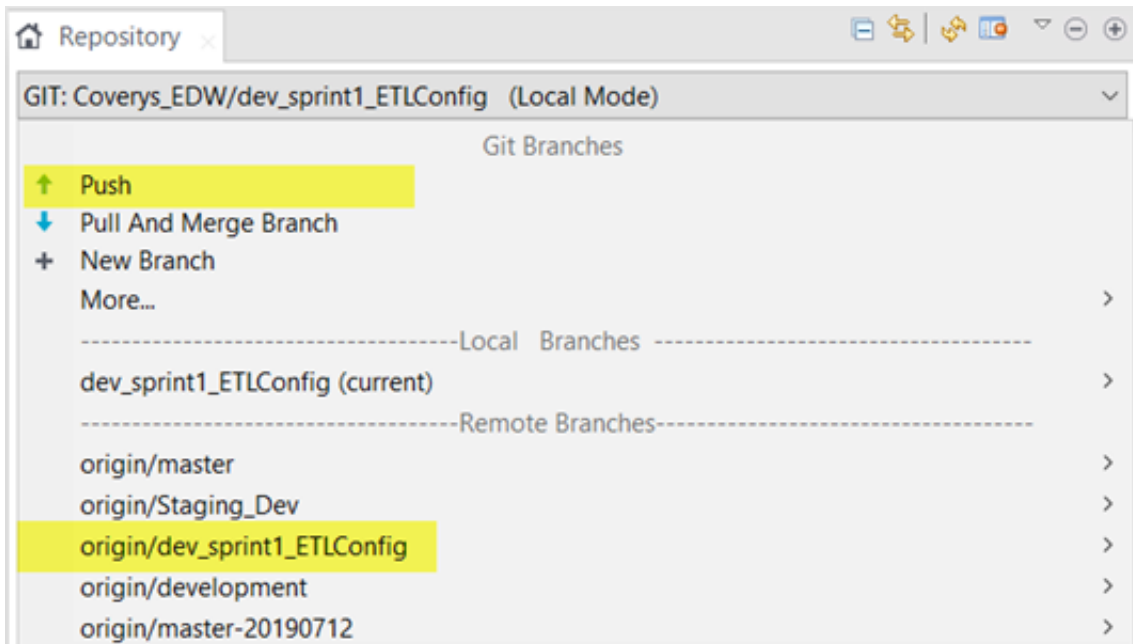
Once all your changes are made to the local branch, the next step is to resolve any conflicts with the remote target branch you are merging your changes into. Therefore, always do a 'Pull and Merge branch' to development branch before pushing back into the remote version of your local branch.



Resolve any conflicts in Conflicts Navigator within Talend. Clicking OK in the window shown below will open up a Conflicts Navigator in the Git Merge perspective.

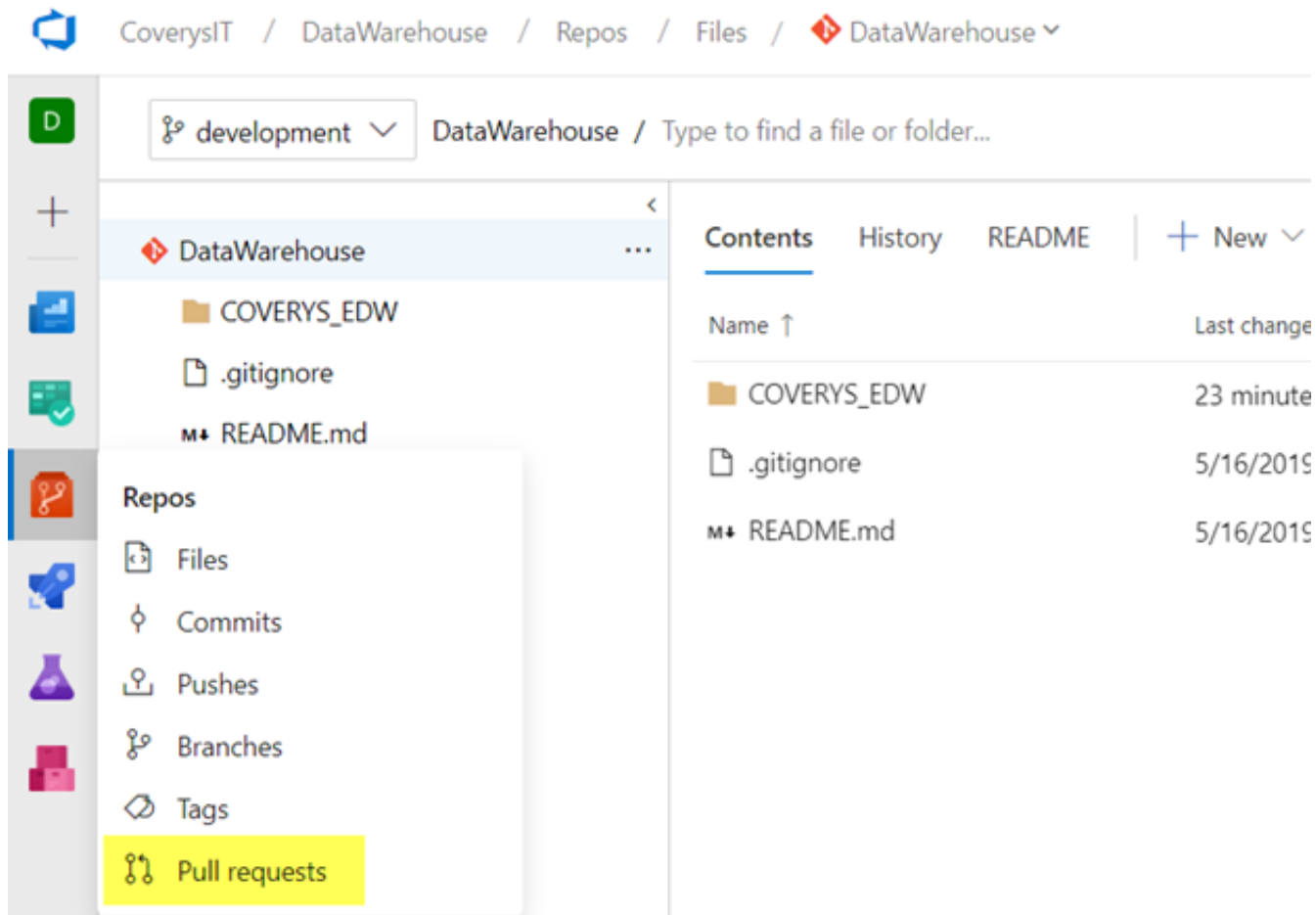


Once conflicts are resolved, Push the changes back into the remote branch (of your local branch, for example, dev_sprint1_ETLConfig)

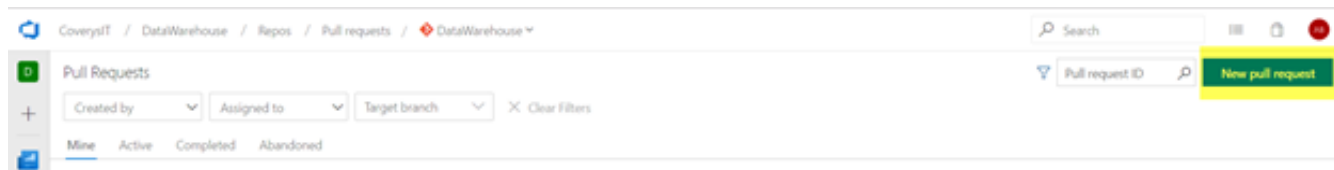


Merging changes into Remote Development Branch

Once all changes are pushed to the remote branch, merge these changes back into the remote 'development' branch. This can be done using 'Pull Request'.



Select 'New Pull Request' and enter details for the request and click 'Create' when done.



New Pull Request

dev_sprint1_ETLConfig into development

Title *

merging ETLConfig job components

Add label

Description

contains ETLConfig job, context groups, connections

Markdown supported.

contains ETLConfig job, context groups, connections

Reviewers

Search users and groups to add as reviewers

Work Items

6953

6953 Talend staging job creation

Create

The pull request will be in 'Active' state, and pending review. The current policy is set up in a way that 2 reviewers will need to Approve this request.

CoverysIT / DataWarehouse / Repos / Pull requests / DataWarehouse

merging ETLConfig job components

Archana Balachandran dev_sprint1_ETLConfig into development

Overview Files Updates Commits

Description

contains ETLConfig job, context groups, connections

Show everything

Add a comment...

Archana Balachandran reset their vote just now

Approved by jobrien just now

jobrien joined as a reviewer just now

Approved by Archana Balachandran a minute ago

Archana Balachandran joined as a reviewer a minute ago

Created by Archana Balachandran a minute ago

Policies

Required

- 1 of 2 reviewers approved
- Work items linked
- All comments resolved

Work Items

6953 Talend staging job creation

Reviewers

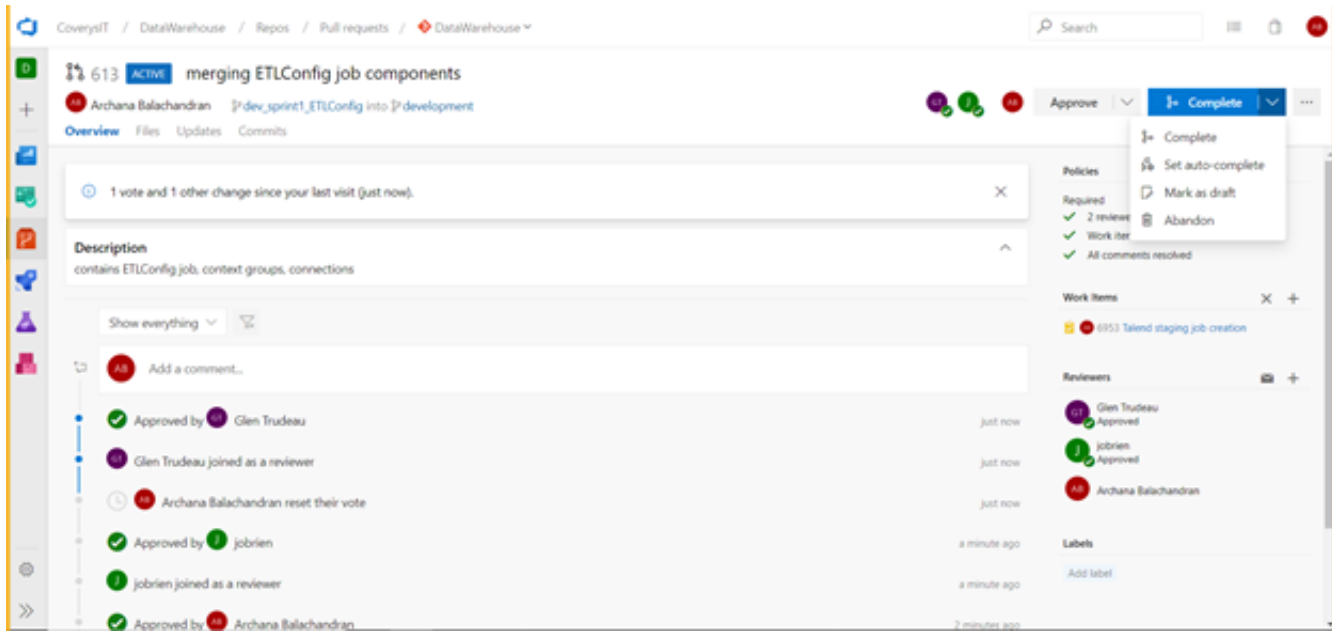
jobrien Approved

Archana Balachandran

Labels

Add label

Once 2 reviewers(or the number of required reviewers set by your admin) have approved the pull request, you will see an option to 'Complete'.



Enter details in 'Complete Request' window and select 'Merge (no fast-forward)' option and click

The 'Complete pull request' dialog box is shown. It has a title bar with a close button. The 'Merge commit comment' section contains a text box with the text 'Merged PR 613: merging ETLConfig job components' and a larger text box with the text 'contains ETLConfig job, context groups, connections' and 'Related work items: #6953'. The 'Merge type' section has a dropdown menu set to 'Merge (no fast-forward)'. Below this is a diagram showing a merge of two branches. The 'Post-completion options' section has two checkboxes: 'Complete linked work items after merging' and 'Delete dev_sprint1_ETLConfig after merging', both of which are checked. At the bottom are 'Complete merge' and 'Cancel' buttons.

'Complete Merge'.

Once the merge is successful, you can view this in the history tab for the 'development' branch.

The screenshot shows the GitHub repository page for 'DataWarehouse' under the 'development' branch. The 'History' tab is selected, displaying a list of commits. The left sidebar shows the repository structure with files like '.gitignore' and 'README.md'. The main content area shows a commit graph and a table of commit details.

Graph	Commit	Message	Author	Authored Date	Pull Request	Status
	564466ee	Merged PR 613: merging ETLConfig job components	Arghana Balachand...	8 minutes ago	#613	
	3e7f1248	User 'edw_dev_us@coverys.com' at 09:55:19 EDT 2019-07-15 :	EDW Development...	26 minutes ago	#613	
	f90ac15f	User 'edw_dev_us@coverys.com' at 09:52:33 EDT 2019-07-15 :	EDW Development...	29 minutes ago	#613	
	322c97ee	User 'edw_dev_us@coverys.com' at 09:52:24 EDT 2019-07-15 :	EDW Development...	30 minutes ago	#613	
	b7705b30	Store project preferences	EDW Development...	30 minutes ago	#613	
	87d66de9	User 'edw_dev_us@coverys.com' at 09:52:14 EDT 2019-07-15 :	EDW Development...	30 minutes ago	#613	
	3ebd1e0f	Merge remote-tracking branch 'origin/master'	Glen Trudeau	2 hours ago		
	2e588d2	Added README.md, .gitignore (VisualStudio) files	Marc McVey	7/12/2019 1:33 AM		
	3cab8e0c	User 'cstokes@coverys.com' at 15:15:43 CDT 2019-07-12 :	Christian Stokes	7/12/2019 8:15 PM		
	a36db170	User 'cstokes@coverys.com' at 15:15:37 CDT 2019-07-12 :	Christian Stokes	7/12/2019 8:15 PM		
	aaadafe5	User 'cstokes@coverys.com' at 15:15:26 CDT 2019-07-12 :	Christian Stokes	7/12/2019 8:15 PM		
	d6598e92	User 'cstokes@coverys.com' at 07:05:48 CDT 2019-07-12 :	Christian Stokes	7/12/2019 12:05 PM		
	06a57927	User 'cstokes@coverys.com' at 07:05:46 CDT 2019-07-12 :	Christian Stokes	7/12/2019 12:05 PM		
	93c54a50	Merge remote-tracking branch 'origin/master'	Glen Trudeau	7/11/2019 6:17 PM		

The screenshot shows the GitHub Pull Requests page for the 'development' branch of the 'DataWarehouse' repository. The 'Completed' tab is selected, showing a single pull request titled 'merging ETLConfig job components' by Arghana Balachandran. The pull request is marked as 'Completed just now'.

Pull Requests

Created by: Assigned to: Target branch: Clear Filters

Filter: Pull request ID: New pull request

Filter: Mine Active Completed Abandoned

merging ETLConfig job components
Arghana Balachandran requested #613 into development

Completed just now

Graph	Commit	Message	Author	Authored Date	Pull Request	Status
	564466ee	Merged PR 613: merging ETLConfig job components	Archana Balachand...	8 minutes ago	613	
	3e7f1248	User 'edw_dev_us@coverys.com' at 09:55:19 EDT 2019-07-15 :	EDW Development...	26 minutes ago	613	
	F90ac15f	User 'edw_dev_us@coverys.com' at 09:52:33 EDT 2019-07-15 :	EDW Development...	29 minutes ago	613	
	322c97ee	User 'edw_dev_us@coverys.com' at 09:52:24 EDT 2019-07-15 :	EDW Development...	30 minutes ago	613	
	b7705b30	Store project preferences	EDW Development...	30 minutes ago	613	
	87d66de9	User 'edw_dev_us@coverys.com' at 09:52:14 EDT 2019-07-15 :	EDW Development...	30 minutes ago	613	
	3ebd1e0f	Merge remote-tracking branch 'origin/master'	Glen Trudeau	2 hours ago		
	2e5880d2	Added README.md, .gitignore (VisualStudio) files	Marc McVey	7/12/2019 1:33 AM		
	3ca8e60c	User 'cstokes@coverys.com' at 15:15:43 CDT 2019-07-12 :	Christian Stokes	7/12/2019 8:15 PM		
	a36db170	User 'cstokes@coverys.com' at 15:15:37 CDT 2019-07-12 :	Christian Stokes	7/12/2019 8:15 PM		
	aaadafe5	User 'cstokes@coverys.com' at 15:15:26 CDT 2019-07-12 :	Christian Stokes	7/12/2019 8:15 PM		
	db598e92	User 'cstokes@coverys.com' at 07:05:48 CDT 2019-07-12 :	Christian Stokes	7/12/2019 12:05 PM		
	06a57927	User 'cstokes@coverys.com' at 07:05:46 CDT 2019-07-12 :	Christian Stokes	7/12/2019 12:05 PM		
	93c54a50	Merge remote-tracking branch 'origin/master'	Glen Trudeau	7/11/2019 6:17 PM		

Frequently Asked Questions

Q: I am unable to complete a Pull Request in DevOps. There is a 'Conflicts' label on my Pull Request in DevOps that is not allowing me to complete the Merge into development branch.

Assigned to me

RP dev_sprint2_Staging_RP to development **Conflicts**

Robert Powers requested #620 into development

Custom: Assigned to my team(s)

new pull request • just now

Answer:

This is happening because the Development branch you are merging into contains updates that your local branch does not have, and therefore you need to perform a 'Pull and merge branch' in Talend (refer Step 4 above). You cannot complete this Pull Request until all the conflicts are resolved locally in Talend and pushed to Git again.

Talend Documentation Links

<https://help.talend.com/reader/93olCfmQi615MRwYBjy30g/PJMBt6~g0wBzv97ZUwEpUw>