

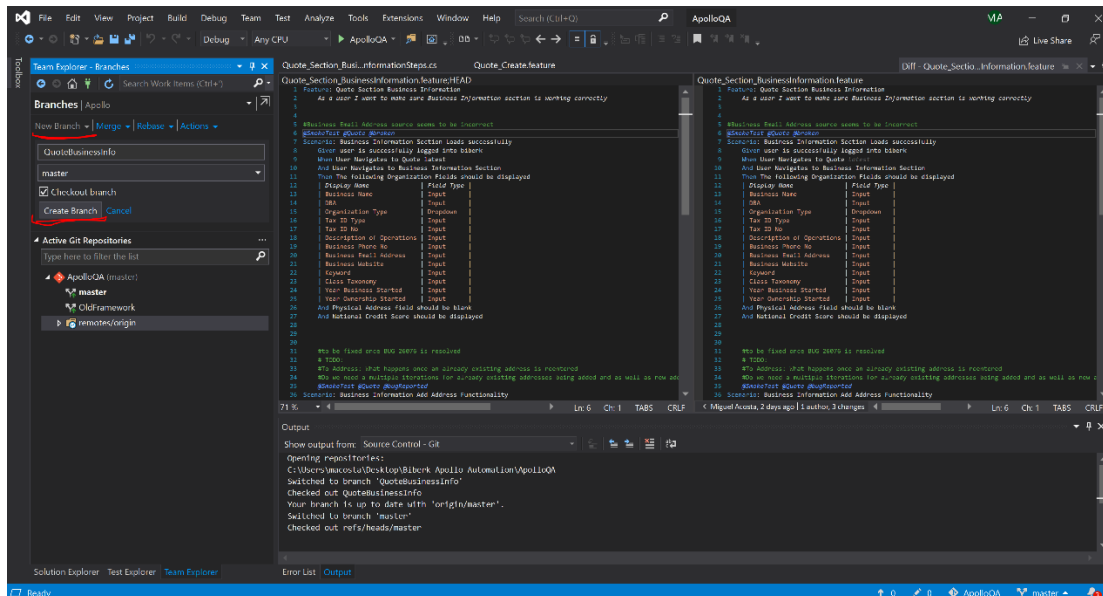
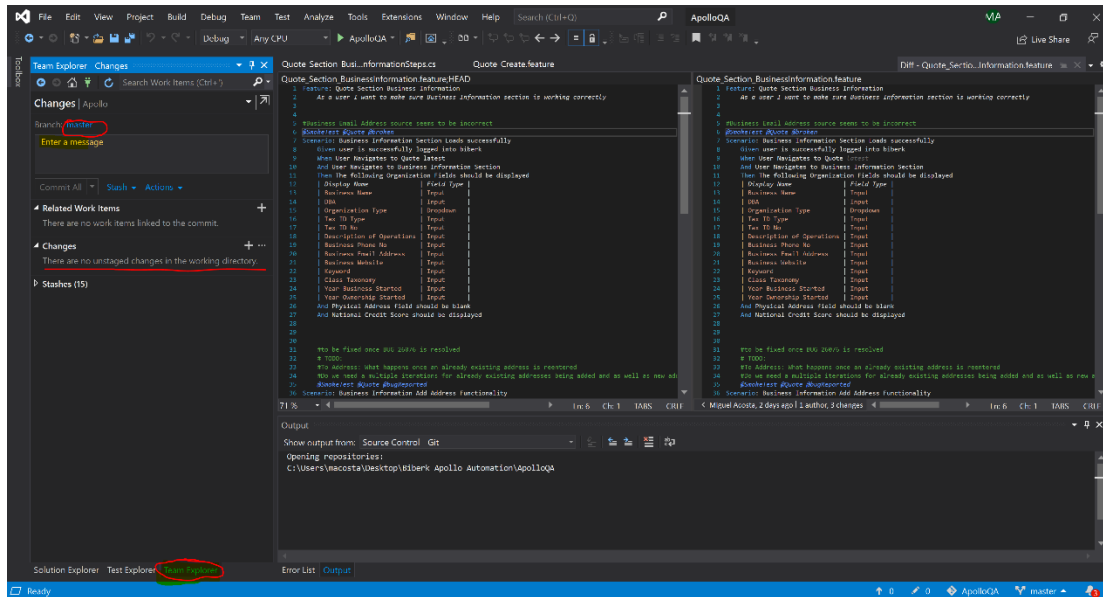
Test Automation Development Workflow

Creating a new branch	2
Commit changes.....	3
Pushing changes.....	4
Run test in Azure Pipeline	5
Create a Pull Request	6

***Important:** An automation Task (Azure work item) should have one to one relationship to a specific branch.
A task is not considered complete until a pull request has been created for it

Creating a new branch

1. Make sure current branch is Master with no changes
2. Make sure name is according to the user story or functionality to be automated

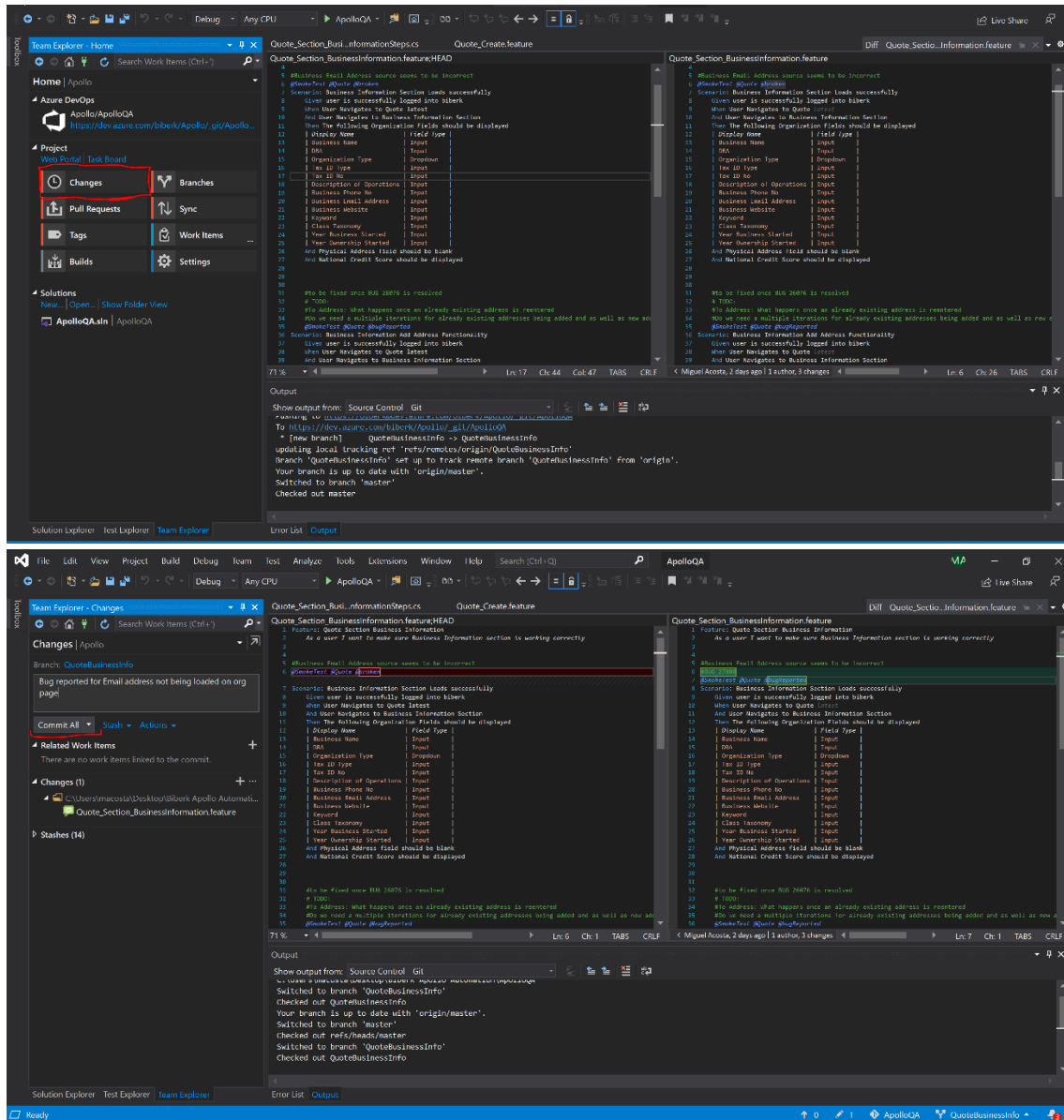


Commit changes

ideally one should commit for every scenario completed, one could also commit once the whole User Story or functionality is automated

note: is ideal to divide changes into various commits to then push everything altogether

1. Commit with a brief description of the changes



Pushing changes

Once the whole user story or functionality is completed and working locally

1. Push the previously committed changes to the previously created branch

The image consists of two screenshots of the Visual Studio IDE, illustrating the steps to push changes to a remote branch.

Top Screenshot: The 'Team Explorer' pane on the left shows the 'Quote_Busi_InformationSteps.cs' file. The 'Changes' tab is selected, showing a list of changes. The 'Push' button is highlighted with a red box. The 'Output' pane at the bottom shows the command prompt output, indicating that the branch 'Quote_Busi_InformationSteps' has been created locally and is ready to be pushed.

Bottom Screenshot: The 'Team Explorer' pane on the left shows the 'Quote_Busi_InformationSteps.cs' file. The 'Push' button is highlighted with a red box. The 'Output' pane at the bottom shows the command prompt output, indicating that the branch 'Quote_Busi_InformationSteps' has been pushed to the remote repository.

Run test in Azure Pipeline

To make sure the implemented solution is working in the Azure Pipeline, our official test runner, we're going to run the pipeline for the previously created branch.

1. Navigate to [ApolloQA Pipeline](#) in Azure DevOps
2. Run the pipeline for the previously created branch

The screenshot displays the Azure DevOps web interface for the 'ApolloQA' pipeline. The left sidebar shows the navigation menu with 'Pipelines' selected. The main area shows a list of pipeline runs. A 'Run pipeline' dialog box is open in the foreground, allowing the user to select a branch/tag and configure advanced options.

ApolloQA Pipeline Runs

Description	Stages	Time
#20201221.2 Removed colons causing reporting issues Manually triggered for master d9674e1	1	2h ago 25m 10s
#20201221.1 Tagged org tests as bugReported Manually triggered for master 14fad22	2	3h ago 42m 12s
#20201218.13 Global Search adding bugReported tag Manually triggered for master 09601e5	1	Friday 12m 7s
#20201218.12 Global Search adding bugReported tag Manually triggered for master 09601e5	1	Friday 38m 27s
#20201218.11 Global Search adding bugReported tag Manually triggered for master 09601e5	1	Friday 9m 58s
#20201218.10 Global Search adding bugReported tag Manually triggered for master 09601e5	1	Friday 13m 7s
#20201218.9 minor bug fix Manually triggered for master 0cb7b4f	1	Friday <1s
#20201218.8 minor bug fix Manually triggered for master 0cb7b4f	1	Friday 12m 27s
#20201218.7 excluding broken scenarios	-	Friday

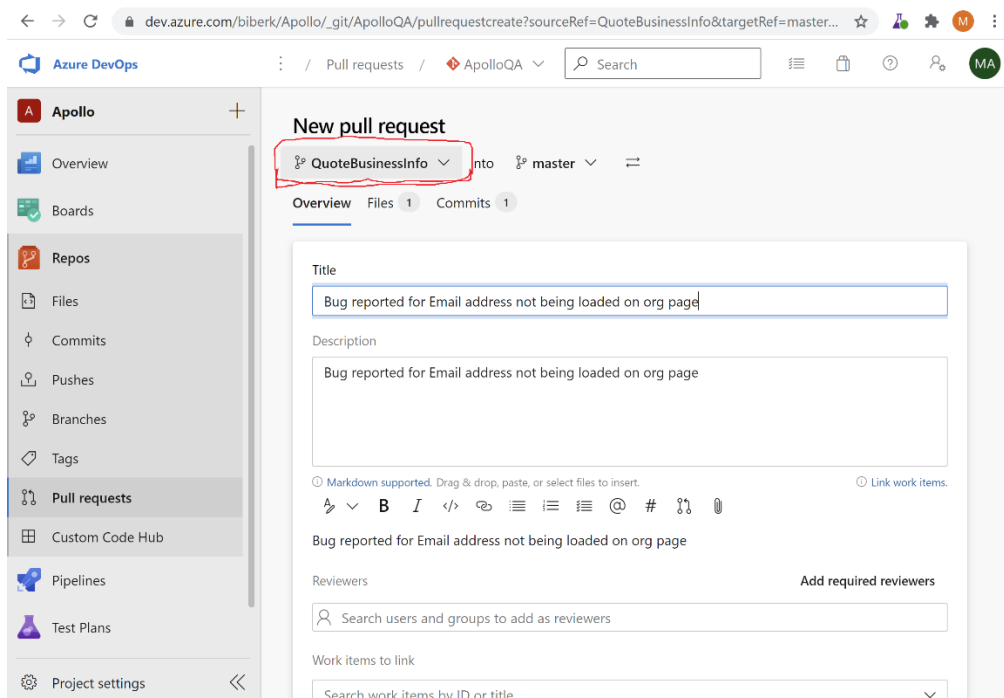
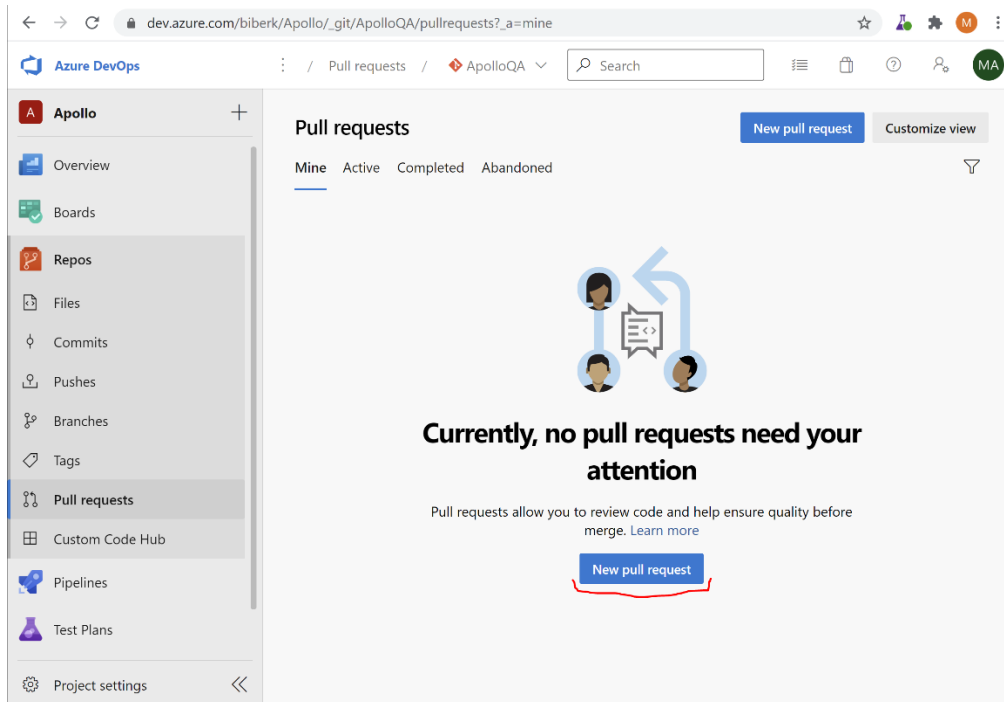
Run pipeline dialog box:

- Branch/tag:** QuoteBusinessInfo
- Advanced options:**
 - Variables:** This pipeline has no defined variables
 - Stages to run:** Run as configured
 - Resources:** Use latest version of all resources
- ☐ Enable system diagnostics
- Buttons:** Cancel, Run

Create a Pull Request

Once the pipeline test is successful, a pull request should be created to be reviewed before merging into master

1. Navigate to [Pull Requests](#) in Azure DevOps
2. Click on the “New Pull Request” Button
3. Select the previously created branch
4. Click on the “Create” Button



dev.azure.com/biberk/Apollo/_git/ApolloQA/pullrequestcreate?sourceRef=QuoteBusinessInfo&targetRef=master...

Azure DevOps

/ Pull requests / ApolloQA

Search

Apollo

Overview

Boards

Repos

Files

Commits

Pushes

Branches

Tags

Pull requests

Custom Code Hub

Pipelines

Test Plans

Project settings

Overview

Files 1

Commits 1

Bug reported for Email address not being loaded on org page

Description

Bug reported for Email address not being loaded on org page

Markdown supported. Drag & drop, paste, or select files to insert. Link work items.

Bug reported for Email address not being loaded on org page

Reviewers

Add required reviewers

Search users and groups to add as reviewers

Work items to link

Search work items by ID or title

Tags

Create