

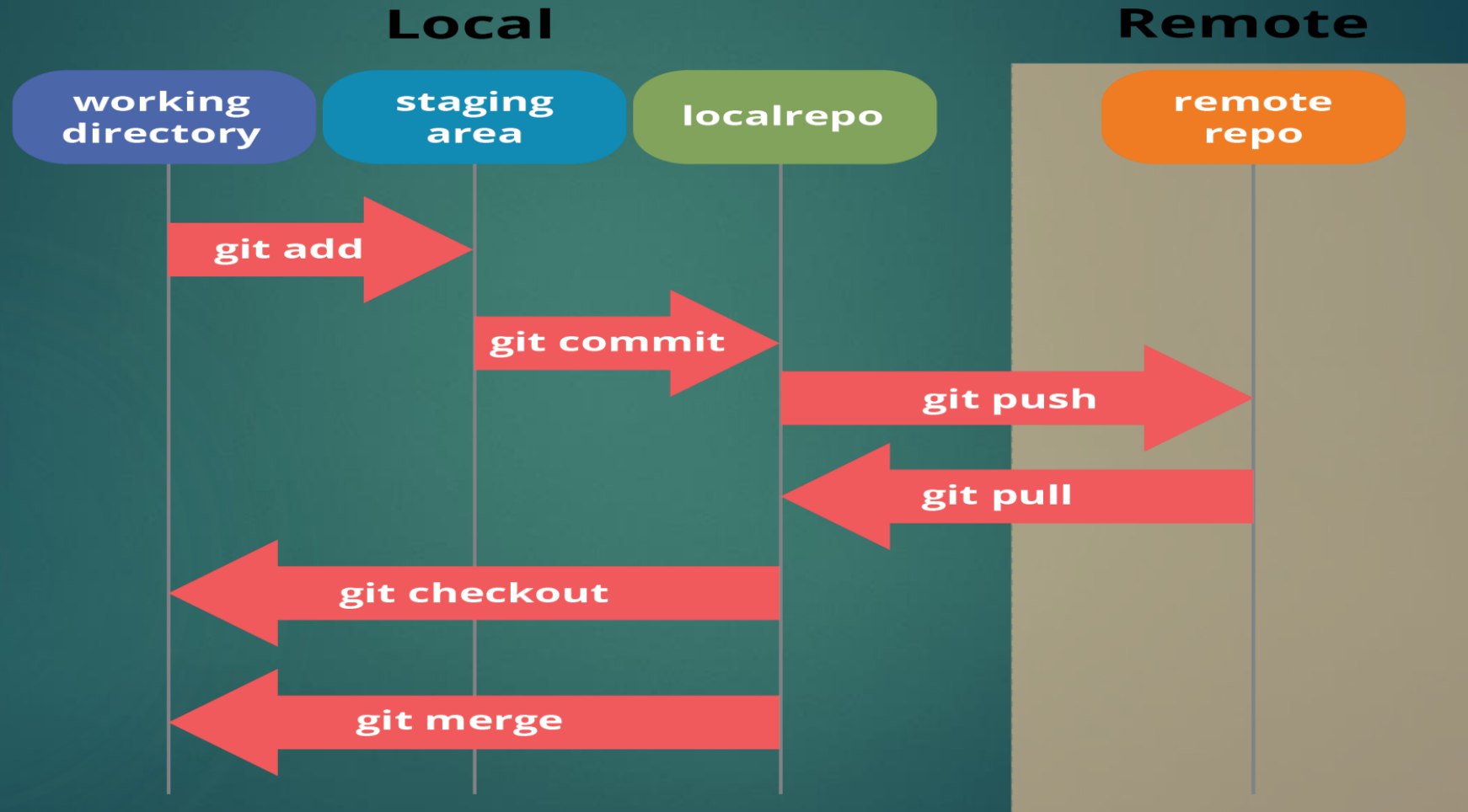


git

What is GIT

- ▶ Git is a distributed version control system.
- ▶ Each developer has a copy of the source repository on their dev machine.
- ▶ Developers can commit each set of changes on their dev machine and perform version control operations such as history and compare without a network connection.
- ▶ Branches are lightweight.
- ▶ Branches are pointer based.

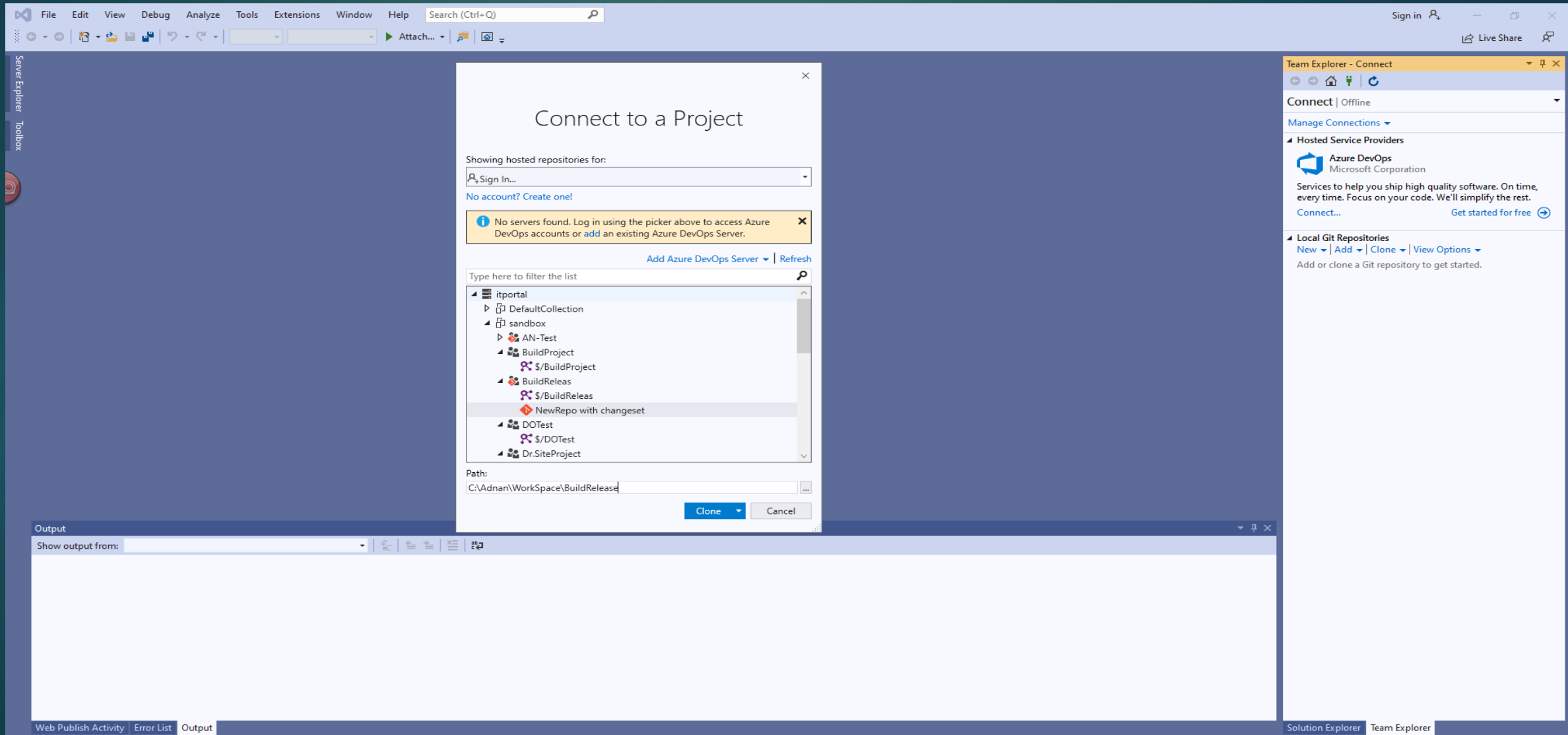
Git Work Flow



How to connect with Git Using Visual Studio

- ▶ Open Visual Studio.
- ▶ Click on Team Explorer.
- ▶ Click on manage connection.
- ▶ Click on Add Azure Devops server.
- ▶ Enter Server URL and click on Add.
- ▶ Click on your Git Project.
- ▶ Enter the path where you want to clone your project and click on clone.
- ▶ Wait it will take some time to get Git project on local machine.

How to connect with Git Using Visual Studio



Get Remote Branches to local machine

- ▶ Click on Home button in Team Explorer.
- ▶ Click on Branches.
- ▶ Expand remote/origin.
- ▶ Right Click on Dev Branch and checkout
- ▶ You get Dev branch on your local machine.

Get Remote Branches to local machine

The screenshot displays the Visual Studio IDE interface. The main workspace is empty. The bottom Output window shows the following text:

```
Show output from: Source Control - Git
Updating files: 96% (889/926)
Updating files: 97% (899/926)
Updating files: 98% (908/926)
Updating files: 99% (917/926)
Updating files: 100% (926/926)
Updating files: 100% (926/926), done.
Opening repositories:
C:\Adnan\WorkSpace\BuildRelease
M   Tayyab/Dev/MVC_app/obj/Debug/MVC_app.vbprojAssemblyReference.cache
M   Tayyab/QA/MVC_app/obj/Debug/MVC_app.vbprojAssemblyReference.cache
Your branch is up to date with 'origin/Dev'.
Switched to branch 'Dev'
Checked out Dev
```

The right-hand pane shows the Team Explorer - Branches view. Under the 'Active Git Repositories' section, the 'BuildRelease (Dev)' repository is expanded, showing the 'Dev' branch and the 'remotes/origin' branch. The 'Dev' branch is currently selected.

Open Project solutions

- ▶ Click on Home in team explorer.
- ▶ From solutions section open your solution file.
- ▶ We can also open solutions from folder where we clone the project.

Open Project solutions

The screenshot displays the Visual Studio 2019 IDE with the 'BuildRelease' solution selected. The main workspace is empty, showing a blue background. The right-hand sidebar contains the 'Team Explorer' and 'Solution Explorer' panels. The 'Team Explorer' panel shows the 'BuildRelease' project with a list of work items: 'Changes', 'Pull Requests', 'Tags', 'Builds', 'Branches', 'Sync', 'Work Items', and 'Settings'. The 'Solution Explorer' panel shows the project structure with 'MVC_app.sln' selected. The bottom status bar indicates the project is 'Ready'.

Output

```
Showing output from: Source Control - Git
Updating files: 96% (889/926)
Updating files: 97% (899/926)
Updating files: 98% (908/926)
Updating files: 99% (917/926)
Updating files: 100% (926/926)
Updating files: 100% (926/926), done.
Opening repositories:
C:\Adnan\WorkSpace\BuildRelease
M   Tayyab\Dev\MVC_app\obj\Debug\MVC_app.vbprojAssemblyReference.cache
M   Tayyab\QA\MVC_app\obj\Debug\MVC_app.vbprojAssemblyReference.cache
Your branch is up to date with 'origin/Dev'.
Switched to branch 'Dev'
Checked out Dev
```

Team Explorer - Home

Home | BuildRelease

Azure DevOps Server

BuildRelease/NewRepo with changeset
<http://tportal:8080/tfs/sandbox/BuildRelease/Build...>

Project

Web Portal | Task Board | Team Room

- Changes
- Pull Requests
- Tags
- Builds
- Branches
- Sync
- Work Items
- Settings

Solutions

New... | Open... | Show Folder View

- MVC_app.sln | Adnan\DEV
- MVC_app.sln | Tayyab\Dev
- MVC_app.sln | Tayyab\QA

Solution Explorer **Team Explorer**

Ready

How to Commit your changes

- ▶ Click on Solution Explorer
- ▶ Open your file where you want changes
- ▶ Edit/add your changes and save it.
- ▶ Click on team explorer.
- ▶ Click on Changes.
- ▶ In changes you see your edit file.
- ▶ Right Click on file that you want to commit and click on stage.
- ▶ Enter your commit and click on commit staged.

How to Commit your changes

The screenshot displays the Visual Studio IDE interface. The main editor window shows the `Index.vbhtml` file with the following code:

```
1 @Code
2 Layout = "~/Views/Shared/_Layout.vbhtml"
3 //test git
4 End Code
```

The right sidebar contains the **Team Explorer - Changes** pane. It shows the current branch as `Dev` and provides a text box to "Enter a message". Below this, there are buttons for `Commit Staged`, `Stash`, and `Actions`. The **Staged Changes (1)** section lists the file `Index.vbhtml`. The **Changes (1)** section lists the file `_ViewStart.vbhtml`. The **Stashes** section shows "Drop All" and "There are no stashed changes."

The bottom status bar indicates the current branch is `Dev` and shows the number of changes (1).

How to push changes to remote branch

- ▶ Click on Home in team explorer.
- ▶ Click on sync.
- ▶ Click on push in outgoing commits section.
- ▶ Your Changes push to remote branch successfully.

How to push changes to remote branch

The screenshot displays the Visual Studio IDE interface. The main editor window shows the `Index.vbhtml` file with the following code:

```
1 @Code
2 Layout = "~/Views/Shared/_Layout.vbhtml"
3 //test git
4 End Code
```

The status bar at the bottom of the editor indicates "100 %", "2" errors, "0" warnings, and "MUHAMMAD ADNAN, 9 days ago | 1 author, 1 change".

The Team Explorer pane on the right is titled "Team Explorer - Synchronization" and shows the "Synchronization | BuildRelease" view. It displays the current branch as "Dev" and provides options for "Sync", "Fetch", "Pull", "Push", and "Actions".

Under "Incoming Commits", it states "There are no incoming commits." Under "Outgoing Commits (1)", it shows a commit by "git testing changes" by "MUHAMMAD ADNAN" made "2 minutes ago".

The bottom status bar shows "Ready" and the "Solution Explorer" and "Team Explorer" tabs.

How to get other user changes into your local branch

- ▶ Click on home in team explorer.
- ▶ Click on Sync.
- ▶ In incoming commit section click on fetch it will show you other users changes.
- ▶ Click on pull.
- ▶ Other users changes updated on your local branch.

How to get other user changes into your local branch

The screenshot displays the Visual Studio IDE interface. The main editor window shows a file named `Index.vbhtml` with the following content:

```
1 @Code
2 Layout = "~/Views/Shared/_Layout.vbhtml"
3 //test git
4 End Code
```

The `@Code` and `End Code` tags are highlighted in yellow. The status bar at the bottom of the editor indicates "100 %", "2" errors, "0" warnings, and "MUHAMMAD ADNAN, 9 days ago | 1 author, 1 change".

On the right side, the **Team Explorer - Synchronization** sidebar is open. It shows the current branch as `Dev` and provides links for `Sync`, `Fetch`, `Pull`, `Push`, and `Actions`. Under **Incoming Commits (1)**, there is a commit titled "Updated Index.vbhtml" by BASIT KHAN, made "a minute ago". Under **Outgoing Commits**, it states "There are no outgoing commits."

At the bottom, the **Output** window is visible, showing "Show output from: Build". The status bar at the very bottom indicates "Ready" and shows the current build configuration as "BuildRelease" and the active solution as "Dev".

How to checkout to other branches

- ▶ Click on home in team explorer.
- ▶ Click on branches.
- ▶ Right click on branch where you want to checkout.

How to checkout to other branches

The screenshot shows the Visual Studio IDE with the following components:

- Editor:** Displays `Index.vbhtml` with the following content:

```
1 @Code
2     Layout = "~/Views/Shared/_Layout.vbhtml"
3     //test git
4 End Code
```
- Team Explorer - Branches:** Shows the `BuildRelease (master)` branch selected under `remotes/origin`. The `master` branch is also visible.
- Output:** Shows the command `git checkout master` being executed. The output is currently empty.
- StatusBar:** Shows the status `Ready` and the current branch `master`.
- Notification:** A message box in the bottom left corner states: `Checking out master started`. Below it, it says: `Your task will continue running in the background`. There is an `Always ignore` link.

How to view change set history

- ▶ Click on home in team explorer.
- ▶ Click on branches.
- ▶ Right click on branch.
- ▶ Click on view history.

How to view change set history

Visual Studio interface showing the Local History view for a file named `_ViewStart.vbhtml`. The view displays a list of changes with columns for ID, Author, Date, and Message. The selected change is 61825a4f by DANISH SATTAR, dated 8/18/2020 2:46:49 PM, with the message "git-tfs-id: [http://itportal:8080/tfs/sandbox]/\$/BuildReleas;C4421".

ID	Author	Date	Message
ef997409	BASIT KHAN	8/28/2020 10:14:42 AM	Updated Index.vbhtml
795c5273	MUHAMMAD ADNAN	8/28/2020 10:07:26 AM	git testing changes
6dec44df	Basitkhan	8/19/2020 2:49:31 PM	Adding TFVC files
9e25112a	Basitkhan	8/19/2020 2:05:43 PM	adding tfvc repo here
e2b903a6	BASIT KHAN	8/19/2020 8:25:00 AM	Added file Release-test.sh
6050a085	BASIT KHAN	8/19/2020 8:22:55 AM	Updated test.bat
0ce21a58	BASIT KHAN	8/19/2020 8:20:18 AM	Added file test.bat
4d551ad0	MUHAMMAD ADNAN	8/18/2020 3:55:55 PM	add project
10d7ef9b	MUHAMMAD ADNAN	8/18/2020 3:51:20 PM	add folder
ad832a47	BASIT KHAN	8/18/2020 3:26:37 PM	adding flask with dockerfile
a5209426	BASIT KHAN	8/18/2020 3:21:27 PM	adding branches
afee7d83	BASIT KHAN	8/18/2020 3:19:54 PM	removing
c2e54a2f	BASIT KHAN	8/18/2020 3:18:36 PM	branch creation
bf420cd0	BASIT KHAN	8/18/2020 3:15:20 PM	Adding my own folder
332dc165	DANISH SATTAR	8/18/2020 2:51:47 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/\$/BuildReleas;C4426
f112d567	DANISH SATTAR	8/18/2020 2:47:58 PM	Branched from \$/BuildReleas;Danish/QA
787c5874	DANISH SATTAR	8/18/2020 2:47:47 PM	Branched from \$/BuildReleas;Danish/UAT
82abe0c1	DANISH SATTAR	8/18/2020 2:47:31 PM	Branched from \$/BuildReleas;Danish/staging
6149d506	DANISH SATTAR	8/18/2020 2:47:18 PM	Branched from \$/BuildReleas;Danish/Prod
61825a4f	DANISH SATTAR	8/18/2020 2:46:49 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/\$/BuildReleas;C4421
f07d8ea2	MUHAMMAD TAYYAB	8/18/2020 1:58:07 PM	Move to QA
306e338b	MUHAMMAD TAYYAB	8/18/2020 12:06:29 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/\$/BuildReleas;C4419
03c18e4b	MUHAMMAD TAYYAB	8/18/2020 12:05:08 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/\$/BuildReleas;C4418
c628df80	MUHAMMAD TAYYAB	8/18/2020 11:52:57 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/\$/BuildReleas;C4417
40042ba7	MUHAMMAD TAYYAB	8/18/2020 11:47:03 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/\$/BuildReleas;C4416
ea4761d9	MUHAMMAD ADNAN	8/18/2020 11:40:31 AM	build task
f7be5d5b	MUHAMMAD TAYYAB	8/18/2020 11:24:17 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/\$/BuildReleas;C4414
d5aac264	MUHAMMAD TAYYAB	8/18/2020 11:24:04 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/\$/BuildReleas;C4413
18262aba	MUHAMMAD TAYYAB	8/18/2020 11:22:52 AM	Deleting
efe683f5	MUHAMMAD TAYYAB	8/18/2020 9:39:45 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/\$/BuildReleas;C4411
d36372a1	MUHAMMAD TAYYAB	8/18/2020 8:59:07 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/\$/BuildReleas;C4410
8cffe16e	MUHAMMAD TAYYAB	8/18/2020 8:50:39 AM	Added 6 files to Dev

The right sidebar shows the Team Explorer with the BuildRelease branch selected. The bottom status bar shows the current branch as master.

Merge selected changeset using cherry-pick

- ▶ Checkout the branch where you want to merge the code.
- ▶ Open the history of branch from where you merge the code. e.g. (if you want to merge code from dev to master checkout to master branch and view history of dev branch).
- ▶ Right click on commit which you want to merge.
- ▶ Click on cherry-pick.
- ▶ Click on home and then click on sync
- ▶ It show changes in outgoing commits section, click on push to move changes to remote branch.

Merge selected changeset using cherry-pick

The screenshot displays the Visual Studio Code interface with the following components:

- File Explorer:** Shows the project structure with files like `_ViewStart.vbhtml` and `Index.vbhtml`.
- Git Explorer:** Displays the commit history. The selected commit is `ef997409` by `BASIT KHAN` with the message `Updated Index.vbhtml`. The commit is highlighted in blue, and a red "Dev" label is visible.
- Team Explorer - Branches:** Shows the current branch `BuildRelease` and the `Cherry-Pick completed and committed a81a739f` message. The `BuildRelease (master)` branch is selected.
- Output:** Shows the output of the cherry-pick operation, including the commit hash `a81a739f` and the message `Added 6 files to Dev`.

ID	Author	Date	Message
ef997409	BASIT KHAN	8/28/2020 10:14:42 AM	Updated Index.vbhtml
795c5273	MUHAMMAD ADNAN	8/28/2020 10:07:26 AM	git testing changes
6dec44df	Basitkhan	8/19/2020 2:49:31 PM	Adding TFVC files
9e25112a	Basitkhan	8/19/2020 2:05:43 PM	adding tfvc repo here
e2b903a6	BASIT KHAN	8/19/2020 8:25:00 AM	Added file Release-test.sh
6050a085	BASIT KHAN	8/19/2020 8:22:55 AM	Updated test.bat
0ce21a58	BASIT KHAN	8/19/2020 8:20:18 AM	Added file test.bat
4d551ad0	MUHAMMAD ADNAN	8/18/2020 3:55:55 PM	add project
10d7ef9b	MUHAMMAD ADNAN	8/18/2020 3:51:20 PM	add folder
ad832a47	BASIT KHAN	8/18/2020 3:26:37 PM	adding flask with dockerfile
a5209426	BASIT KHAN	8/18/2020 3:21:27 PM	adding branches
afef7d83	BASIT KHAN	8/18/2020 3:19:54 PM	removing
c2e54a2f	BASIT KHAN	8/18/2020 3:18:36 PM	branch creation
bf420cd0	BASIT KHAN	8/18/2020 3:15:20 PM	Adding my own folder
332dc165	DANISH SATTAR	8/18/2020 2:51:47 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4426
f112d567	DANISH SATTAR	8/18/2020 2:47:58 PM	Branched from S/\$BuildRelease/Danish/QA
787c5874	DANISH SATTAR	8/18/2020 2:47:47 PM	Branched from S/\$BuildRelease/Danish/UAT
82abe0c1	DANISH SATTAR	8/18/2020 2:47:31 PM	Branched from S/\$BuildRelease/Danish/staging
6149d506	DANISH SATTAR	8/18/2020 2:47:18 PM	Branched from S/\$BuildRelease/Danish/Prod
61825a4f	DANISH SATTAR	8/18/2020 2:46:49 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4421
f07d8ea2	MUHAMMAD TAYYAB	8/18/2020 1:58:07 PM	Move to QA
306e338b	MUHAMMAD TAYYAB	8/18/2020 12:06:29 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4419
03c18e4b	MUHAMMAD TAYYAB	8/18/2020 12:05:08 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4418
c628df80	MUHAMMAD TAYYAB	8/18/2020 11:52:57 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4417
40042ba7	MUHAMMAD TAYYAB	8/18/2020 11:47:03 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4416
ea4761d9	MUHAMMAD ADNAN	8/18/2020 11:40:31 AM	build task
f7be5d5b	MUHAMMAD TAYYAB	8/18/2020 11:24:17 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4414
d5aac264	MUHAMMAD TAYYAB	8/18/2020 11:24:04 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4413
18262aba	MUHAMMAD TAYYAB	8/18/2020 11:22:52 AM	Deleting
efe683f5	MUHAMMAD TAYYAB	8/18/2020 9:39:45 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4411
d36372a1	MUHAMMAD TAYYAB	8/18/2020 8:59:07 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4410
8cffe16e	MUHAMMAD TAYYAB	8/18/2020 8:50:39 AM	Added 6 files to Dev

Merge selected changeset using cherry-pick

The screenshot displays the Visual Studio IDE interface. The main editor window shows a file named `Index.vbhtml` with the following content:

```
1 @Code
2 Layout = "~/Views/Shared/_Layout.vbhtml"
3 //test git
4 End Code
```

The **Team Explorer** sidebar on the right is active, showing the **Synchronization** view for the **Dev** branch. It indicates there are no incoming commits and one outgoing commit titled "git testing changes" by MUHAMMAD ADNAN, committed 2 minutes ago.

At the bottom, the **Output** window is visible, showing the output of a build process. The status bar at the bottom indicates the solution is **Ready** and shows the current build configuration as **BuildRelease** on the **Dev** branch.

Merge All changeset using Pull Request

- ▶ Click on home in team explorer.
- ▶ Click on pull requests.
- ▶ Click on new pull request.
- ▶ It will show it portal screen change the source branch.
- ▶ Enter Reviewers name and click on new pull request.
- ▶ New pull request will be created.

Merge All changeset using Pull Request

- ▶ New window will be open Reviewer review the code and approve it.
- ▶ When all reviewer approve it then click on complete.
- ▶ When click on complete a popup window will appear check the button if you want to delete the source branch other uncheck it.
- ▶ Click on complete merge.

Merge All changeset using Pull Request

The screenshot displays the Visual Studio Code interface with the following components:

- File Explorer:** Shows the project structure with files like `_ViewStart.vbhtml` and `Index.vbhtml`.
- Git History:** A table of commit history with columns for ID, Author, Date, and Message.
- Output Panel:** Shows the output of the Continuous Delivery Tools.
- Team Explorer - Pull Requests:** A panel on the right showing pull requests for the `BuildReleas` branch.

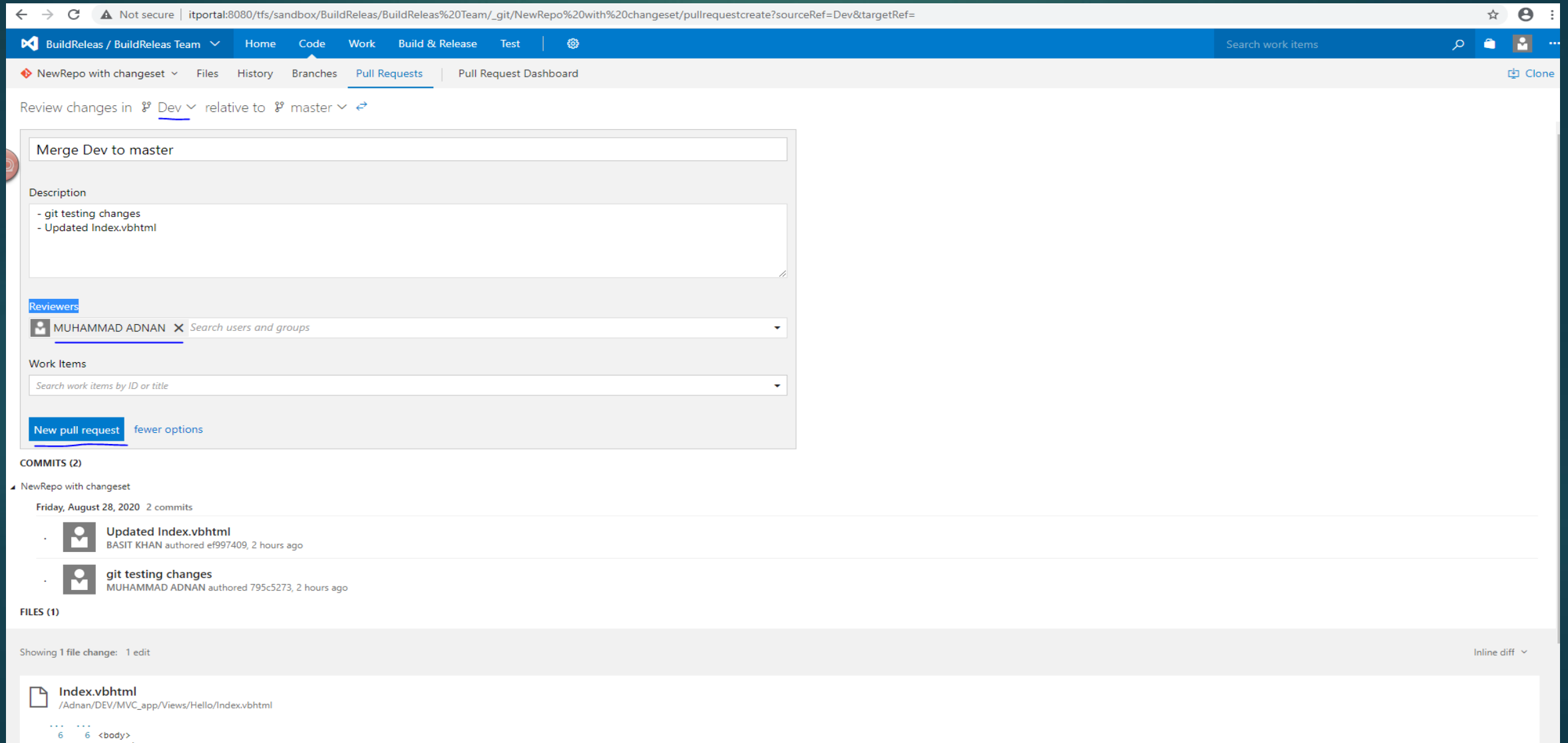
Git History Table:

ID	Author	Date	Message
ef997409	BASIT KHAN	8/28/2020 10:14:42 AM	Updated Index.vbhtml
795c5273	MUHAMMAD ADNAN	8/28/2020 10:07:26 AM	git testing changes
6dec44df	Basitkhan	8/19/2020 2:49:31 PM	Adding TFVC files
9e25112a	Basitkhan	8/19/2020 2:05:43 PM	adding tfvc repo here
e2b903a6	BASIT KHAN	8/19/2020 8:25:00 AM	Added file Release-test.sh
6050a085	BASIT KHAN	8/19/2020 8:22:55 AM	Updated test.bat
0ce21a58	BASIT KHAN	8/19/2020 8:20:18 AM	Added file test.bat
4d551ad0	MUHAMMAD ADNAN	8/18/2020 3:55:55 PM	add project
10d7ef9b	MUHAMMAD ADNAN	8/18/2020 3:51:20 PM	add folder
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a5209426	BASIT KHAN	8/18/2020 3:21:27 PM	adding branches
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c2e54a2f	BASIT KHAN	8/18/2020 3:18:36 PM	branch creation
bf420cd0	BASIT KHAN	8/18/2020 3:15:20 PM	Adding my own folder
332dc165	DANISH SATTAR	8/18/2020 2:51:47 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/BuildReleas;C4426
f112d567	DANISH SATTAR	8/18/2020 2:47:58 PM	Branched from \$/BuildReleas/Danish/QA
787c5874	DANISH SATTAR	8/18/2020 2:47:47 PM	Branched from \$/BuildReleas/Danish/UAT
82abe0c1	DANISH SATTAR	8/18/2020 2:47:31 PM	Branched from \$/BuildReleas/Danish/staging
6149d506	DANISH SATTAR	8/18/2020 2:47:18 PM	Branched from \$/BuildReleas/Danish/Prod
61825a4f	DANISH SATTAR	8/18/2020 2:46:49 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/BuildReleas;C4421
f07d8ea2	MUHAMMAD TAYYAB	8/18/2020 1:58:07 PM	Move to QA
306e338b	MUHAMMAD TAYYAB	8/18/2020 12:06:29 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/BuildReleas;C4419
03c18e4b	MUHAMMAD TAYYAB	8/18/2020 12:05:08 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/BuildReleas;C4418
c628df80	MUHAMMAD TAYYAB	8/18/2020 11:52:57 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/BuildReleas;C4417
40042ba7	MUHAMMAD TAYYAB	8/18/2020 11:47:03 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/BuildReleas;C4416
ea4761d9	MUHAMMAD ADNAN	8/18/2020 11:40:31 AM	build task
f7be5d5b	MUHAMMAD TAYYAB	8/18/2020 11:24:17 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/BuildReleas;C4414
d5aac264	MUHAMMAD TAYYAB	8/18/2020 11:24:04 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/BuildReleas;C4413
18262aba	MUHAMMAD TAYYAB	8/18/2020 11:22:52 AM	Deleting
efe683f5	MUHAMMAD TAYYAB	8/18/2020 9:39:45 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/BuildReleas;C4411
d36372a1	MUHAMMAD TAYYAB	8/18/2020 8:59:07 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/BuildReleas;C4410
8cffe16e	MUHAMMAD TAYYAB	8/18/2020 8:50:39 AM	Added 6 files to Dev

Team Explorer - Pull Requests:

- Pull Requests | BuildReleas**
- New Pull Request | Actions**
- Requested By Me**
 - Active | View Options
 - Type here to filter the list
 - There are no pull requests.
- Assigned To Me**
 - Assigned to me or my team | View Options
 - Type here to filter the list
 - There are no pull requests.

Merge All changeset using Pull Request



The screenshot displays the TFS web interface for creating a pull request. The browser address bar shows the URL: `itportal:8080/tfs/sandbox/BuildReleas/BuildReleas%20Team/_git/NewRepo%20with%20changeset/pullrequestcreate?sourceRef=Dev&targetRef=`. The interface includes a top navigation bar with links for Home, Code, Work, Build & Release, and Test. Below this, a breadcrumb trail shows the path: NewRepo with changeset > Files > History > Branches > Pull Requests > Pull Request Dashboard. The main content area is titled "Review changes in Dev relative to master". It features a "Merge Dev to master" button, a "Description" field containing "- git testing changes" and "- Updated Index.vbhtml", a "Reviewers" section with "MUHAMMAD ADNAN" selected, and a "Work Items" section with a search bar. At the bottom, there are sections for "COMMITTS (2)" and "FILES (1)". The "COMMITTS (2)" section lists two commits: "Updated Index.vbhtml" by BASIT KHAN and "git testing changes" by MUHAMMAD ADNAN. The "FILES (1)" section shows a file change for "Index.vbhtml" with a diff view.

BuildReleas / BuildReleas Team ▾ Home Code Work Build & Release Test | ⚙️ Search work items 🔍 📁 👤 ⋮

◆ NewRepo with changeset ▾ Files History Branches Pull Requests | Pull Request Dashboard 🔗 Clone

Review changes in **Dev** ▾ relative to **master** ▾ ↔

Merge Dev to master

Description

- git testing changes
- Updated Index.vbhtml

Reviewers

- MUHAMMAD ADNAN ✕ Search users and groups

Work Items

- Search work items by ID or title

[New pull request](#) fewer options

COMMITTS (2)

▴ NewRepo with changeset

Friday, August 28, 2020 2 commits

- Updated Index.vbhtml
BASIT KHAN authored ef997409, 2 hours ago
- git testing changes
MUHAMMAD ADNAN authored 795c5273, 2 hours ago

FILES (1)

Showing 1 file change: 1 edit Inline diff ▾

Index.vbhtml
/Adnan/DEV/MVC_app/Views/Hello/Index.vbhtml

```
... 6 6 <body>
... 7 7 </div>
```

Merge All changeset using Pull Request

The screenshot displays a VSTS Pull Request page for a repository named 'BuildReleas'. The pull request is titled 'Merge Dev to master' and is currently in the 'ACTIVE' state. It was created by 'MUHAMMAD ADNAN' and is intended to merge the 'Dev' branch into the 'master' branch. The interface includes a navigation bar with tabs for 'Overview', 'Files', 'Updates', and 'Commits'. The 'Files' tab is selected, showing a list of changes. One change is visible: 'Index.vbhtml' in the path '/Adnan/DEV/MVC_app/Views/Hello/'. The diff view shows a side-by-side comparison of the file. The left side (base) shows the original code, and the right side (target) shows the proposed changes. The changes include adding 'basit khan testing here!' and 'Testing Git' to the 'Hello World! This is my first application' message. The right side of the diff view is highlighted in green, indicating the changes to be merged. At the top right, there are buttons for 'Approve' and 'Complete', along with a dropdown menu for additional actions.

BuildReleas / BuildReleas Team | Home | Code | Work | Build & Release | Test | Search work items

NewRepo with changeset | Files | History | Branches | Pull Requests | Pull Request Dashboard | Clone

ACTIVE 3 Merge Dev to master

MUHAMMAD ADNAN Dev into master

Overview Files Updates Commits

All changes | Group | All

/Adnan/DEV/MVC_app/Views/Hello

Index.vbhtml

Showing 1 file change in /Adnan/DEV/MVC_app/Views/Hello/: 1 edit

Side-by-side diff

Index.vbhtml
/Adnan/DEV/MVC_app/Views/Hello/Index.vbhtml

```
...  
6 <body>  
7   <div>  
8     Hello World! This is my first application  
9   </div>  
10 </body>  
11
```

```
...  
6 <body>  
7   <div>  
8     Hello World! This is my first application  
9     basit khan testing here!  
10    Testing Git  
11  </div>  
12 </body>  
13  
14  
15
```

Merge All changeset using Pull Request

The screenshot displays a web-based code management interface, likely Azure DevOps, with a pull request titled "Merge Dev to master" (PR 3) by user MUHAMMAD ADNAN. The interface includes a top navigation bar with tabs for Home, Code, Work, Build & Release, and Test. Below this, a breadcrumb trail shows the path from the repository to the pull request. The main content area shows a diff view for the file `Index.vbhtml` in the path `/Adnan/DEV/MVC_app/Views/Hello/`. The diff shows changes to the `<div>` and `</div>` tags, with the text "Hello World! This is my first application" and "sit khan testing here!". A modal dialog titled "Complete pull request" is open in the foreground, containing a text box with the pull request title, a list of changes, and checkboxes for "Delete Dev after merging" and "Squash changes when merging". The dialog has "Complete merge" and "Cancel" buttons at the bottom.

BuildReleas / BuildReleas Team ▾ Home Code Work Build & Release Test | ⚙ Search work items 🔍 📁 👤 ⋮

NewRepo with changeset ▾ Files History Branches Pull Requests Pull Request Dashboard 📄 Clone

ACTIVE 3 Merge Dev to master

MUHAMMAD ADNAN Dev into master

Overview Files Updates Commits

All changes ▾ Group ▾ All ▾

/Adnan/DEV/MVC_app/Views/Hello ⋮

Index.vbhtml

Showing 1 file change in /Adnan/DEV/MVC_app/Views/Hello/: 1 edit Side-by-side diff ↕

Index.vbhtml
/Adnan/DEV/MVC_app/Views/Hello/Index.vbhtml

```
...  
6 <body>  
7   <div>  
8     Hello World! This is my first appl  
9   </div>  
10 </body>  
11
```

Complete pull request

PR 3: Merge Dev to master

- git testing changes
- Updated Index.vbhtml

☐ Delete Dev after merging

☐ Squash changes when merging

Complete merge Cancel

llo World! This is my first application
sit khan testing here!
sting Git

Create New Branch

- ▶ Click on branches.
- ▶ Right click on branch from where you want to create new branch.
- ▶ Click on New local branch.
- ▶ Enter your branch name.
- ▶ Check the option if you want to checkout to new branch or uncheck if you don't checkout to new branch.
- ▶ Click on create branch.
- ▶ New local branch will be created.

Create New Branch

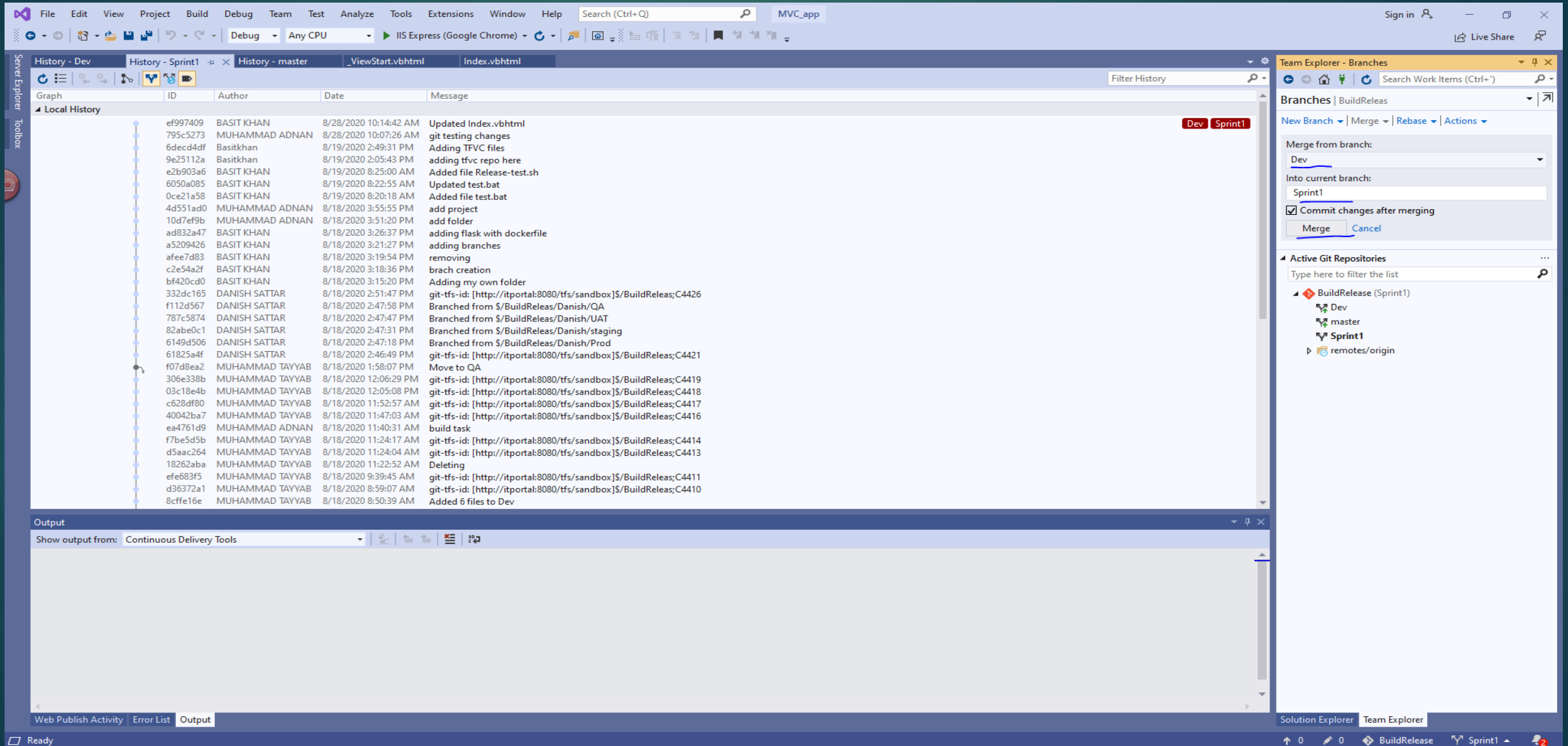
The screenshot displays the Visual Studio IDE interface. The main window shows the 'Local History' view for the file 'Index.vbhtml'. The history table lists commits with their IDs, authors, dates, and messages. The 'Team Explorer - Branches' panel on the right shows the 'BuildRelease' branch selected, with options to 'New Branch', 'Merge', 'Rebase', or 'Actions'. The 'Checkout branch' option is checked, and the 'Create Branch' button is visible. The 'Active Git Repositories' section shows the 'BuildRelease (master)' repository with branches 'Dev', 'master', and 'remotes/origin'.

ID	Author	Date	Message
ef997409	BASIT KHAN	8/28/2020 10:14:42 AM	Updated Index.vbhtml
795c5273	MUHAMMAD ADNAN	8/28/2020 10:07:26 AM	git testing changes
6dec4df	Basitkhan	8/19/2020 2:49:31 PM	Adding TFVC files
9e25112a	Basitkhan	8/19/2020 2:05:43 PM	adding tfvc repo here
e2b903a6	BASIT KHAN	8/19/2020 8:25:00 AM	Added file Release-test.sh
6050a085	BASIT KHAN	8/19/2020 8:22:55 AM	Updated test.bat
0ce21a58	BASIT KHAN	8/19/2020 8:20:18 AM	Added file test.bat
4d551ad0	MUHAMMAD ADNAN	8/18/2020 3:55:55 PM	add project
10d7ef9b	MUHAMMAD ADNAN	8/18/2020 3:51:20 PM	add folder
ad832a47	BASIT KHAN	8/18/2020 3:26:37 PM	adding flask with dockerfile
a5209426	BASIT KHAN	8/18/2020 3:21:27 PM	adding branches
afee7d83	BASIT KHAN	8/18/2020 3:19:54 PM	removing
c2e54a2f	BASIT KHAN	8/18/2020 3:18:36 PM	brach creation
bf420cd0	BASIT KHAN	8/18/2020 3:15:20 PM	Adding my own folder
332dc165	DANISH SATTAR	8/18/2020 2:51:47 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4426
f112d567	DANISH SATTAR	8/18/2020 2:47:58 PM	Branched from \$/\$BuildRelease/Danish/QA
787c5874	DANISH SATTAR	8/18/2020 2:47:47 PM	Branched from \$/\$BuildRelease/Danish/UAT
82abe0c1	DANISH SATTAR	8/18/2020 2:47:31 PM	Branched from \$/\$BuildRelease/Danish/staging
6149d506	DANISH SATTAR	8/18/2020 2:47:18 PM	Branched from \$/\$BuildRelease/Danish/Prod
61825a4f	DANISH SATTAR	8/18/2020 2:46:49 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4421
f07d8ea2	MUHAMMAD TAYYAB	8/18/2020 1:58:07 PM	Move to QA
306e338b	MUHAMMAD TAYYAB	8/18/2020 12:06:29 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4419
03c18e4b	MUHAMMAD TAYYAB	8/18/2020 12:05:08 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4418
c628df80	MUHAMMAD TAYYAB	8/18/2020 11:52:57 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4417
40042ba7	MUHAMMAD TAYYAB	8/18/2020 11:47:03 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4416
ea4761d9	MUHAMMAD ADNAN	8/18/2020 11:40:31 AM	build task
f7be5d5b	MUHAMMAD TAYYAB	8/18/2020 11:24:17 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4414
d5aac264	MUHAMMAD TAYYAB	8/18/2020 11:24:04 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4413
18262aba	MUHAMMAD TAYYAB	8/18/2020 11:22:52 AM	Deleting
efe683f5	MUHAMMAD TAYYAB	8/18/2020 9:39:45 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4411
d36372a1	MUHAMMAD TAYYAB	8/18/2020 8:59:07 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4410
8cffe16e	MUHAMMAD TAYYAB	8/18/2020 8:50:39 AM	Added 6 files to Dev

Merge Branch

- ▶ Click on Branches.
- ▶ Checkout to the branch.
- ▶ Click on merge.
- ▶ Select the branch from where you want to merge.
- ▶ Click on merge button to merge the branch.

Merge Branch



The screenshot shows the Visual Studio IDE with the following components:

- Menu Bar:** File, Edit, View, Project, Build, Debug, Team, Test, Analyze, Tools, Extensions, Window, Help.
- Toolbar:** Includes icons for File Explorer, Solution Explorer, Team Explorer, and various development tools.
- History - Dev:** A table showing commit history for the 'Dev' branch. The table has columns for ID, Author, Date, and Message.
- Team Explorer - Branches:** A pane on the right showing the 'Merge from branch' dialog. It has a dropdown for 'Merge from branch' (set to 'Dev') and a dropdown for 'Into current branch' (set to 'Sprint1'). There is a checkbox for 'Commit changes after merging' and buttons for 'Merge' and 'Cancel'.
- Output:** A window at the bottom showing the command prompt output for the merge operation. It displays the command 'git merge Sprint1' and the output 'Merge: 8cffe16e into ef997409'.

ID	Author	Date	Message
ef997409	BASIT KHAN	8/28/2020 10:14:42 AM	Updated Index.vbhtml
795c5273	MUHAMMAD ADNAN	8/28/2020 10:07:26 AM	git testing changes
6dec4df	Basitkhan	8/19/2020 2:49:31 PM	Adding TFVC files
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e2b903a6	BASIT KHAN	8/19/2020 8:25:00 AM	Added file Release-test.sh
6050a085	BASIT KHAN	8/19/2020 8:22:55 AM	Updated test.bat
0ce21a58	BASIT KHAN	8/19/2020 8:20:18 AM	Added file test.bat
4d551ad0	MUHAMMAD ADNAN	8/18/2020 3:55:55 PM	add project
10d7ef9b	MUHAMMAD ADNAN	8/18/2020 3:51:20 PM	add folder
ad832a47	BASIT KHAN	8/18/2020 3:26:37 PM	adding flask with dockerfile
a5209426	BASIT KHAN	8/18/2020 3:21:27 PM	adding branches
afee7d83	BASIT KHAN	8/18/2020 3:19:54 PM	removing
c2e54a2f	BASIT KHAN	8/18/2020 3:18:36 PM	brach creation
bf420cd0	BASIT KHAN	8/18/2020 3:15:20 PM	Adding my own folder
332dc165	DANISH SATTAR	8/18/2020 2:51:47 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/BuildReleas;C4426
f112d567	DANISH SATTAR	8/18/2020 2:47:58 PM	Branched from S/BuildReleas/Danish/QA
787c5874	DANISH SATTAR	8/18/2020 2:47:47 PM	Branched from S/BuildReleas/Danish/UAT
82abe0c1	DANISH SATTAR	8/18/2020 2:47:31 PM	Branched from S/BuildReleas/Danish/staging
6149d506	DANISH SATTAR	8/18/2020 2:47:18 PM	Branched from S/BuildReleas/Danish/Prod
61825a4f	DANISH SATTAR	8/18/2020 2:46:49 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/BuildReleas;C4421
f07d8ea2	MUHAMMAD TAYYAB	8/18/2020 1:58:07 PM	Move to QA
306e338b	MUHAMMAD TAYYAB	8/18/2020 12:06:29 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/BuildReleas;C4419
03c18e4b	MUHAMMAD TAYYAB	8/18/2020 12:05:08 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/BuildReleas;C4418
c628df80	MUHAMMAD TAYYAB	8/18/2020 11:52:57 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/BuildReleas;C4417
40042ba7	MUHAMMAD TAYYAB	8/18/2020 11:47:03 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/BuildReleas;C4416
ea4761d9	MUHAMMAD ADNAN	8/18/2020 11:40:31 AM	build task
f7be5d5b	MUHAMMAD TAYYAB	8/18/2020 11:24:17 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/BuildReleas;C4414
d5aac264	MUHAMMAD TAYYAB	8/18/2020 11:24:04 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/BuildReleas;C4413
18262aba	MUHAMMAD TAYYAB	8/18/2020 11:22:52 AM	Deleting
efe683f5	MUHAMMAD TAYYAB	8/18/2020 9:39:45 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/BuildReleas;C4411
d36372a1	MUHAMMAD TAYYAB	8/18/2020 8:59:07 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]/BuildReleas;C4410
8cffe16e	MUHAMMAD TAYYAB	8/18/2020 8:50:39 AM	Added 6 files to Dev

Delete Branch

- ▶ Click on Branches.
- ▶ Checkout to another branch.
- ▶ Right Click on the branch you want to delete.
- ▶ Click on delete.

Delete Branch

The screenshot shows the Visual Studio IDE with the Git History view open. The 'Local History' section is expanded, showing a list of commits. A right-click context menu is open over the commit with ID 306e338b, and the 'Delete' option is highlighted. The 'Team Explorer - Branches' pane on the right shows the 'BuildRelease' branch selected. The 'Output' pane at the bottom shows the 'Continuous Delivery Tools' output.

ID	Author	Date	Message
ef997409	BASIT KHAN	8/28/2020 10:14:42 AM	Updated Index.vbhtml
795c5273	MUHAMMAD ADNAN	8/28/2020 10:07:26 AM	git testing changes
6dec44df	Basitkhan	8/19/2020 2:49:31 PM	Adding TFVC files
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e2b903a6	BASIT KHAN	8/19/2020 8:25:00 AM	Added file Release-test.sh
6050a085	BASIT KHAN	8/19/2020 8:22:55 AM	Updated test.bat
0ce21a58	BASIT KHAN	8/19/2020 8:20:18 AM	Added file test.bat
4d551ad0	MUHAMMAD ADNAN	8/18/2020 3:55:55 PM	add project
10d7ef9b	MUHAMMAD ADNAN	8/18/2020 3:51:20 PM	add folder
ad832a47	BASIT KHAN	8/18/2020 3:26:37 PM	adding flask with dockerfile
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c2e54a2f	BASIT KHAN	8/18/2020 3:18:36 PM	branch creation
bf420cd0	BASIT KHAN	8/18/2020 3:15:20 PM	Adding my own folder
332dc165	DANISH SATTAR	8/18/2020 2:51:47 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4426
f112d567	DANISH SATTAR	8/18/2020 2:47:58 PM	Branched from \$/\$BuildRelease/Danish/QA
787c5874	DANISH SATTAR	8/18/2020 2:47:47 PM	Branched from \$/\$BuildRelease/Danish/UAT
82abe0c1	DANISH SATTAR	8/18/2020 2:47:31 PM	Branched from \$/\$BuildRelease/Danish/staging
6149d506	DANISH SATTAR	8/18/2020 2:47:18 PM	Branched from \$/\$BuildRelease/Danish/Prod
61825a4f	DANISH SATTAR	8/18/2020 2:46:49 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4421
f07d8ea2	MUHAMMAD TAYYAB	8/18/2020 1:58:07 PM	Move to QA
306e338b	MUHAMMAD TAYYAB	8/18/2020 12:06:29 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4419
03c18e4b	MUHAMMAD TAYYAB	8/18/2020 12:05:08 PM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4418
c628df80	MUHAMMAD TAYYAB	8/18/2020 11:52:57 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4417
40042ba7	MUHAMMAD TAYYAB	8/18/2020 11:47:03 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4416
ea4761d9	MUHAMMAD ADNAN	8/18/2020 11:40:31 AM	build task
f7be5d5b	MUHAMMAD TAYYAB	8/18/2020 11:24:17 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4414
d5aac264	MUHAMMAD TAYYAB	8/18/2020 11:24:04 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4413
18262aba	MUHAMMAD TAYYAB	8/18/2020 11:22:52 AM	Deleting
efe683f5	MUHAMMAD TAYYAB	8/18/2020 9:39:45 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4411
d36372a1	MUHAMMAD TAYYAB	8/18/2020 8:59:07 AM	git-tfs-id: [http://itportal:8080/tfs/sandbox]\$/\$BuildRelease;C4410
8cffe16e	MUHAMMAD TAYYAB	8/18/2020 8:50:39 AM	Added 6 files to Dev

How to Stash your changed Files

- ▶ Git provide a stash option the file you changed but you don't commit into branch you can stash these files.
- ▶ Click on home then on changes.
- ▶ Select your file that you want to stash.
- ▶ Click on stash and stash all.
- ▶ Stash files are saved.

How to Stash your changed Files

The screenshot displays the Visual Studio IDE interface. The main editor window shows a file named `Index.vbhtml` with the following content:

```
1 @Code
2     Layout = "~/Views/Shared/_Layout.vbhtml"
3     //test git
4     stash test
5 End Code
```

The right-hand sidebar contains the **Team Explorer - Changes** pane. It shows the current branch as `Dev` and provides options to **Commit All**, **Stash**, or **Actions**. The **Stash** dropdown menu is open, showing **Stash All** and **Stash All and Keep Staged (--keep-index)**. Below this, the **Changes (2)** section lists the files `Index.vbhtml` and `_ViewStart.vbhtml`. The **Stashes** section indicates that there are no stashed changes.

The bottom of the IDE shows the **Output** window with the message: "Opening repositories: C:\Adnan\WorkSpace\BuildRelease". The status bar at the bottom indicates "Ready" and shows 0 errors and 2 warnings.

How to restore stash files

- ▶ You can be restore your file that you stash.
- ▶ Click on changes from home.
- ▶ In the stashes section right click on stash file.
- ▶ **View Changes:** Allows you to view the changes of the Stash.
- ▶ **Apply:** Applies the changes to the code branch and keeps the Stash.
- ▶ **Apply and Restore Staged:** Applies changes to code branch and ensures staging of previously staged files again.
- ▶ **Apply All as Unstaged:** Applies changes to code branch and won't stage files that were staged before.
- ▶ **Drop:** Deletes the Stash.
- ▶ **Pop:** Applies the changes to the code branch and deletes the Stash.
- ▶ **Pop and Restore Staged:** Pops changes to code branch and ensures staging of previously staged files again.
- ▶ **Pop All as Unstaged:** Pops changes to code branch and won't stage files that were staged before.
- ▶ You can choose option according to your requirement.

How to restore stash files

The screenshot shows the Visual Studio IDE with the following components:

- Local History Window:** Displays a list of commits with columns for ID, Author, Date, and Message.
- Team Explorer - Changes Pane:** Shows the current branch (Dev) and a list of changes. A context menu is open over the changes, showing options like 'Pop and Restore Staged (--index)' and 'Pop All as Unstaged'.
- Output Window:** Shows the output of the 'Undoing edit' command, indicating the file path and the action being performed.

ID	Author	Date	Message
648bb44b	MUHAMMAD ADNAN	8/28/2020 1:39:24 PM	add commit to local branch
ef997409	BASIT KHAN	8/28/2020 10:14:42 AM	Updated Index.vbhtml
795c5273	MUHAMMAD ADNAN	8/28/2020 10:07:26 AM	git testing changes
4d551ad0	MUHAMMAD ADNAN	8/18/2020 3:55:55 PM	add project

Output Window:

```
Show output from: Source Control - Git
Opening repositories:
C:\Adnan\WorkSpace\BuildRelease
Undoing edit: C:\Adnan\WorkSpace\BuildRelease\Adnan\DEV\MVC_app\Views\Hello\Index.vbhtml
```

Git Commands

- ▶ **git config:**

This command sets the author name and email address respectively to be used with your commits

Usage: `git config --global user.name "[name]"`

Usage: `git config --global user.email "[email address]"`

- ▶ **git init:**

This command is used to start a new repository.

Usage: `git init [repository name]`

- ▶ **git clone:**

This command is used to obtain a repository from an existing URL.

Usage: `git clone [url]`

Git Commands

- ▶ **git add:**

This command adds a file to the staging area.

Usage: `git add [file]`

This command adds one or more to the staging area.

Usage: `git add *`

- ▶ **git commit:**

This command records or snapshots the file permanently in the version history.

Usage: `git commit -m "[Type in the commit message]"`

This command commits any files you've added with the `git add` command and also commits any files you've changed since then.

Usage: `git commit -a`

Git Commands

► **git diff:**

This command shows the file differences which are not yet staged.

Usage: `git diff`

This command shows the differences between the files in the staging area and the latest version present.

Usage: `git diff --staged`

This command shows the differences between the two branches mentioned.

Usage: `git diff [first branch] [second branch]`

Git Commands

▶ **git reset:**

This command unstages the file, but it preserves the file contents.

Usage: `git reset [file]`

This command undoes all the commits after the specified commit and preserves the changes locally.

Usage: `git reset [commit]`

This command discards all history and goes back to the specified commit.

Usage: `git reset --hard [commit]`

▶ **git status:**

This command lists all the files that have to be committed.

Usage: `git status`

Git Commands

- ▶ **git rm:**

This command deletes the file from your working directory and stages the deletion.

Usage: `git rm [file]`

- ▶ **git log:**

This command is used to list the version history for the current branch.

Usage: `git log`

This command lists version history for a file, including the renaming of files also.

- `git log --follow[file]`

- ▶ **git show:**

This command shows the metadata and content changes of the specified commit.

Usage: `git show [commit]`

Git Commands

- ▶ **git tag:**

This command is used to give tags to the specified commit.

Usage: `git tag [commitID]`

- ▶ **git branch:**

This command lists all the local branches in the current repository.

Usage: `git branch`

This command creates a new branch.

Usage: `git branch [branch name]`

This command deletes the feature branch.

Usage: `git branch -d [branch name]`

Git Commands

- ▶ **git checkout:**

This command is used to switch from one branch to another.

Usage: `git checkout [branch name]`

This command creates a new branch and also switches to it.

Usage: `git checkout -b [branch name]`

- ▶ **git merge**

This command merges the specified branch's history into the current branch.

Usage: `git merge [branch name]`

- ▶ **git remote**

This command is used to connect your local repository to the remote server.

Usage: `git remote add [variable name] [Remote Server Link]`

Git Commands

► **git push:**

This command sends the committed changes of master branch to your remote repository.

Usage: `git push [variable name] master`

This command sends the branch commits to your remote repository.

Usage: `git push [variable name] [branch]`

This command pushes all branches to your remote repository.

Usage: `git push -all [variable name]`

This command deletes a branch on your remote repository.

Usage: `git push [variable name] :[branch name]`

Git Commands

- ▶ **git pull:**

This command fetches and merges changes on the remote server to your working directory.

Usage: `git pull [Repository Link]`

- ▶ **git stash:**

This command temporarily stores all the modified tracked files.

Usage: `git stash save`

This command restores the most recently stashed files.

Usage: `git stash pop`

This command lists all stashed changesets.

Usage: `git stash list`

This command discards the most recently stashed changeset.

Usage: `git stash drop`

