HCL VersionVault Integration with Visual Studio Code

Visual Studio Code is a lightweight, powerful, desktop source code editor. For more information, please visit <u>https://code.visualstudio.com</u>

HCL VersionVault is a software configuration management (SCM) tool used for version control, which provides controlled access to source code, design documents, models, test plans and test results. It features secure version management and authoritative build auditing. For more information, please visit <u>https://www.hcltechsw.com/versionvault</u>

The HCL VersionVault integration with **Visual Studio Code IDE** provides the following VersionVault operations.

- Add Existing View
- Connect to WAN Server
- Activities Create Activity, Set Existing Activity
- Add To Source Control
- Check Out
- Check In
- Undo Checkout
- Hijack
- Undo Hijack
- Rename
- Remove
- Refresh
- Update From Repository
- Disconnect from WAN Server

It supports **UCM** and **Base VersionVault**. It supports only the Windows platform with two view types: **Web** and **Automatic**.

Prerequisite

- VersionVault or the VersionVault Remote Client must be installed.
- Download and install Visual Studio Code from https://code.visualstudio.com
- A VersionVault view (Web/Automatic) must be created using VersionVault tools.

1. HCL VersionVault Extension installation in Visual Studio Code IDE

The **HCL VersionVault** extension is available in the Visual Studio Code Marketplace. In the Visual Studio Code IDE, click the **Extensions** icon from left panel and search for "**HCL VersionVault**". To install the extension, click on the "**Install**" button.

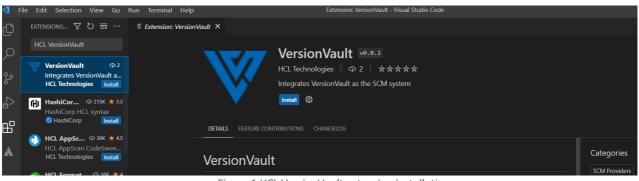


Figure 1 HCL VersionVault extension installation

Post HCL VersionVault extension installation:

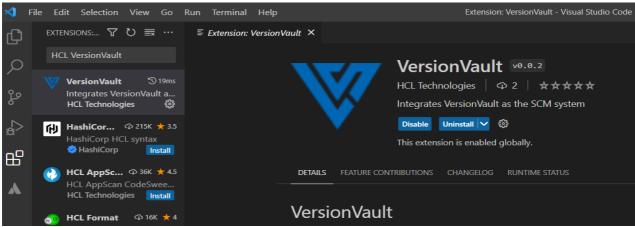


Figure 2 HCL VersionVault extension installed

2. VersionVault Settings Page

You can configure options related to VersionVault in the Settings page. To open the Settings page, navigate to **File->Preferences->Settings->Extensions->VersionVault.**

	P400	
C:+		
Git GitHub		VersionVault
GitHub E	nterprise Ser	
Grunt		Check In Identical
Gulp		Check in the resource even though it is identical to the previous version
HTML		
IntelliCo	de	Reserved Checkout
IntelliCo	de API Usage	\checkmark Guarantees the right to create a successor to the checked out version
Jake		
Java		
Java Deb	ougger	Undo Checkout Keep
Java Proj	ject Manager	🗸 During an Undo Checkout operation, it retains a backup copy of the file with a suffix '.keep'
JavaScrip	ot Debugger	
JSON		
Markdov	vn	Undo Hijack Keep
Markdov	vn Math	During an Undo Hijack operation, it retains a backup copy of the file with a suffix '.keep'
Maven fo	or Java	
Merge C	onflict	Check In Identical Error String
Microsof	ft Sovereign C	The string returned by the server when attempting to checkin an identical version
Npm		
РНР		identical to predecessor
Prettier		
Referenc	e Search View	Agent: Port
Simple B	rowser	A background agent will be running on this port. If you change the port, reload Visual Studio Code
Test Run	ner for Java	8085
TSLint		6003
TypeScri	pt	
Version\	/ault	YAML

Check In Identical

User Workspace

If you want to check in the file even though it is identical to the previous version enable this option; otherwise, disable it.

Check In Identical Error String

To see a user-friendly error message, configure the error or partial error string returned by the server when attempting to checkin an identical version. If you do not configure or provide a different error string, you will see the default English error message returned by the server.

Figure 3 VersionVault Setting page

Agent Port

The **HCL VersionVault** extension uses a local background agent that will be running on this port. If you change the default port, reload the Visual Studio Code IDE. If the new port is available, the agent will start on it; otherwise, you are prompted to enter another available port.

Reserved Checkout

During a **Check Out** operation, if you want to do reserved checkouts, enable this option; otherwise, disable it.

Undo Checkout Keep

During an **Undo Checkout** operation, if you want to retain a backup copy of the file with a suffix '.keep', enable this option; otherwise, disable it.

Undo Hijack Keep

During an **Undo Hijack** operation, if you want to retain a backup copy of the file with a suffix '**.keep**', enable this option; otherwise, disable it.

3. VersionVault Operations

3.1 Add Existing View

VersionVault views must be created using VersionVault tools. Adding or importing an existing view can be done in two ways.

a. Using the "Add Existing View" Command Palette:

Click **View->Command Palette** menu option to open the command palette.

× 1	File E	Edit	Selection	View	Go	Run	Terminal	Help		
ſЪ	EXI	PLORE	R	Co	mma	nd Pale	tte	Ctrl+S	Shift+P	
	\sim NC) FOL	DER OPENED	Op	oen Vi	ew				
ک م		u hav Ider.	/e not yet o		peara itor La	ance ayout			> >	
6			Open Folc	Ex	plorer			Ctrl+S	Shift+E	
à	Yo	u car	also open	Se	arch			Ctrl+S	Shift+F	
	pro	oject	folder, or ci			Control	and Palette	Ctrl+S	hift+G	

Figure 4 Command Palette

Enter "Add Existing View" text in search box and hit enter or click on listed "Add Existing View..." option.

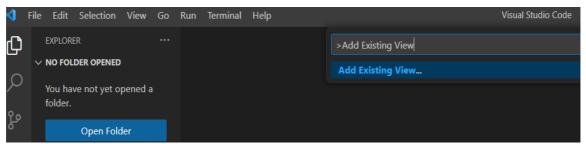


Figure 5 Add Existing View command palette

It opens a new dialog box. Navigate to a directory within the VersionVault view and click on **'Open View'** button to add the view path into Visual Studio Code IDE.

🗙 Open View	×
$\leftarrow \rightarrow \checkmark \uparrow $ R:\VSCode_Demo	✓ C
Organize New folder	≣ • (?)
> Name	Date modified Type
<pre>> Demo_CVOB1 > (></pre>	19-05-2023 11:21 File folder
Folder: VSCode_Demo	Open View Cancel
	Figure 6 Select View Path

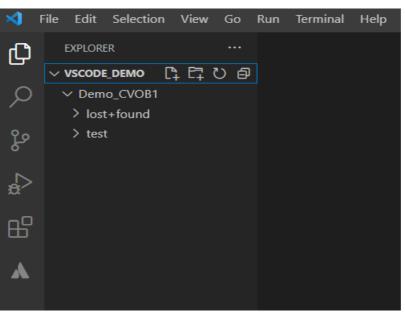


Figure 7 View Path imported in Visual Studio Code

b. Add using "Open Folder" option:

Click **File->Open Folder** menu option, which opens a new dialog box. Navigate to the root directory of the view and click on **'Select Folder'** button to add the view path into Visual Studio Code IDE.

Y Open Folder	>
\leftarrow \rightarrow \checkmark \uparrow \blacksquare R:\VSCode_Demo	✓ C
Organize New folder	≣ • (3
> Name	Date modified Type
<pre>> Demo_CVOB1 > > ></pre>	17-05-2023 13:19 File folder
Folder: VSCode_Demo	Select Folder Cancel
	Figure 8 Select View Path folder

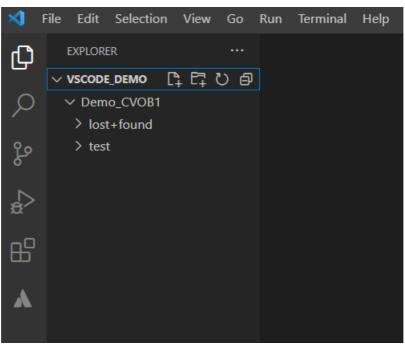


Figure 9 View Path imported in Visual Studio Code

3.2 Connect to WAN Server

Since this integration supports WAN based view types (Web and Automatic), the user needs to authenticate with the VVRC WAN server. Select the **Source Control** icon from left panel, then click the "more" option ... (three dots), which shows the **VersionVault->Connect to WAN Server** option.

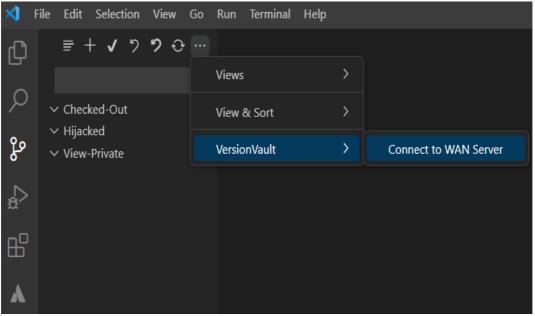


Figure 10 Connect to WAN Server

Click on the **VersionVault->Connect to WAN Server** option which will prompt to enter the WAN server URL and credentials. Enter the VVRC WAN server URL, User Name and Password to authenticate.

X) F	ile Edit Selection	View Go	Run Terminal He	lp	VSCode_Demo - Visual Studio Code
Ŋ	≣ + √ າ	? ↔ …			https://testwanserver/ccrc
\bigcirc					Enter wan server URL (Press 'Enter' to confirm or 'Escape' to cancel)
2	\checkmark Checked-Out				
وړ	✓ Hijacked				
6	∨ View-Private				
æ^					
₿					
٨					

Figure 11 VVRC WAN server URL

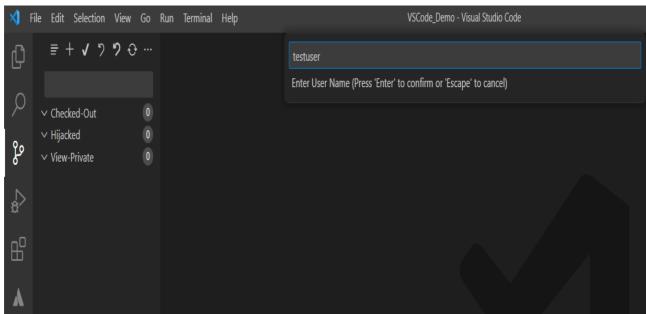


Figure 12 User Name

X	File Edit Selection	View Go	Run Terminal Help	VSCode_Demo - Visual Studio Code
Ŋ	≣ + √ າ⁄	? ↔ …		••••••
\cap				Enter Password (https://testwanserver/ccrc, testuser) (Press 'Enter' to confirm or 'Escape' to cancel)
	∨ Checked-Out ∨ Hijacked			
မိုစ	✓ Hijacked✓ View-Private			
å				
₿				
٨				

Figure 13 Password

You will see an authentication successful notification message at the bottom.

X I	File Edit Selection View	Go Run …	VSCode_Demo) - Visual Studio Code		08	—	Х
Q	≣ + ✔ ፇ ፇ ↔							
کر ھ	 ✓ Checked-Out ✓ Hijacked ✓ View-Private 							
[∰]								
•••								
8								
£63				(i) Authentication is successfull.				

Figure 14 Authentication is successful.

Note: If you are connecting to a VVRC WAN server over HTTPS, you might encounter an SSL certificate issue. In case the certificate is not stored and trusted on the client, you must use the VersionVault Explorer or rcleartool to establish a connection with the VVRC WAN server and permanently accept the certificate of the WAN server. This step is necessary before proceeding with using Visual Studio Code.

3.3 Create Activity

For a UCM view you need to create an activity and set it in the view. Select the **Source Control** icon from left panel, then click the "more" option ... (three dots) and click the **VersionVault->Create Activity**... option.

X	File Edit Selection View	Go Run Terminal Help		
Д	≣ + ✔ ጛ ፇ ↔			
		Views	>	
Q	✓ Checked-Out	View & Sort	>	
ဒိုစ	 ✓ Hijacked ✓ View-Private 	VersionVault	>	Disconnect from WAN Server
				Create Activity
æ				Set Existing Activity
₿				

Figure 15 Create Activity

Enter the Activity Headline

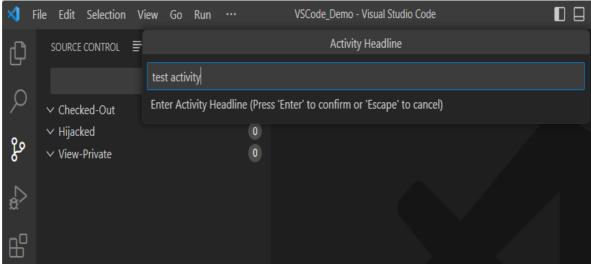


Figure 16 Activity Headline

Enter the Activity ID

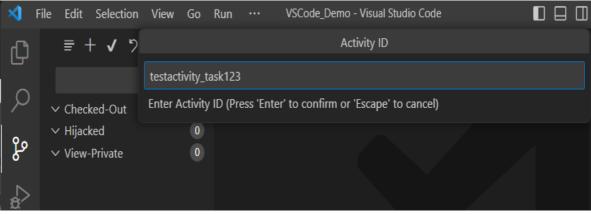


Figure 17 Activity ID

Note: Create Activity will also set the activity in the view

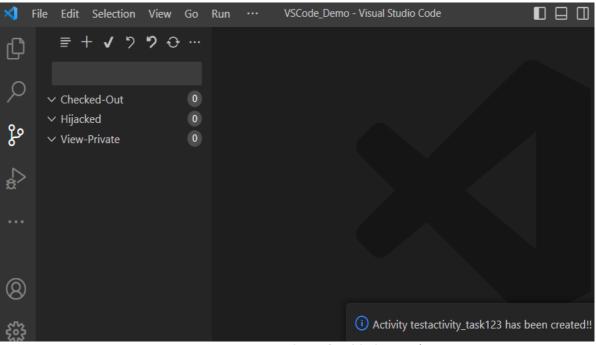


Figure 18 Activity is created

3.4 Set Activity

You can set the activity in the current imported view. Select the **Source Control** icon from the left panel, then click the "more" option ... (three dots) and click the **VersionVault->Set Existing Activity...** option.

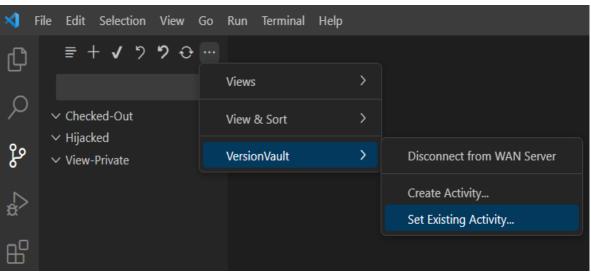


Figure 19 Set Existing Activity

Select the activity and hit enter to set the activity.

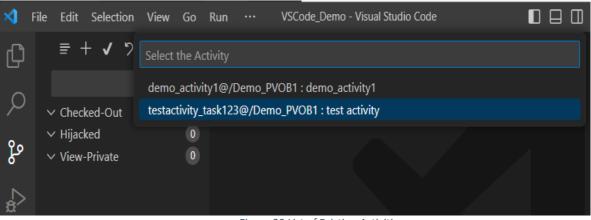


Figure 20 List of Existing Activities

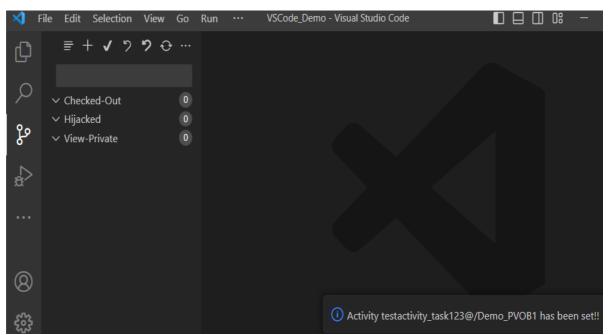


Figure 21 Activity has been set into view

Note: You can also execute the **Create** and **Set Activity** operations from the file editor context menu. Open a file in an editor and right click. You should see **VersionVault->Create Activity...** and **VersionVault-> Set Existing Activity...**

×1 –	File Edit Selection View	Go	••• Bar.txt - VSCode_D	emo - Visual Studio Code) 08	— C]	×
∠ °°° ⊂	EXPLORER VSCODE_DEMO Demo_CVOB1 lost+found test E Bar.txt J Demo.java		E Bar.txt × Demo_CVOB1 > test > ≣ 1 vscode demo	Change All Occurrences Refactor Cut Copy Paste	Ctrl+F2 Ctrl+Shift+R Ctrl+X Ctrl+C Ctrl+V				
₽ ₽ 	J Foo.java \$ test_script.sh			Copy Pull Request Url to C Create Jira Issue Create Pull Request Open Changeset Open in Bitbucket View Pull Request	lipboard				
8			Add to Source Control	Add to Watch Run to Cursor					
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	OUTLINE     TIMELINE     JAVA PROJECTS		Create Activity	Command Palette	Ctrl+Shift+P				
D- Sic	gn in to Jira 🔷 No active issue	2	Set Existing Activity Figure 22	VersionVault Create and Set Existing A	>	Text	⊘ Prettier	ନ୍ଦି	<u>(</u>

#### Figure 22 Create and Set Existing Activity

### 3.5 Add To Source Control

You can add new files/folders to a VersionVault source control repository (VOB). New resources are called **view private** files/folders. In the Visual Studio Code Explorer, you can create new files/folders. When you initially create files/folders, these resources will be available under **View-Private** section in **Source Control** page.

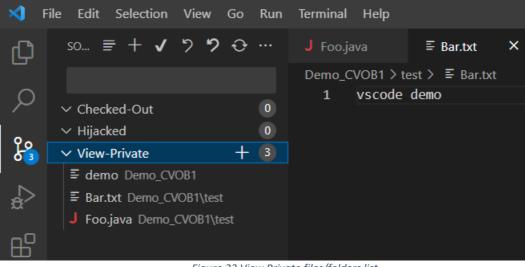


Figure 23 View Private files/folders list

Once you have created a new file/folder, you likely want to bring it under source control, there are two places from where you could execute "Add To Source" operation.

#### a. File Context Menu

Open the view private file and right click in file editor, select the **VersionVault-**>Add to Source Control... option which prompts you for a comment. Using this option, you can add a single file to source control.

×1 –	File Edit Selection View Go Run	Terminal Help		Bar.txt - VSCode	_Demo - Visual Studio Code
Ð	EXPLORER	≣ Bar.txt ×			
	VSCODE_DEMO	Demo_CVOB1 > test > ≣	Bar.txt		
$\mathcal{A}$	✓ Demo_CVOB1	1 vscode demo		Ctrl+F2	
_	> demo		Change All Occurrences		
<mark>ب</mark>	> lost+found ~ test		Refactor	Ctrl+Shift+R	
	F Bar.txt		Cut	Ctrl+X	
¢ ₿	J Demo.java		Сору	Ctrl+C	
	J Foo.java		Paste	Ctrl+V	
₿	\$ test_script.sh		Copy Pull Request Url to Cl	linhoard	
因			Create Jira Issue	ippoard	
A					
			Create Pull Request		
			Open Changeset		
			Open in Bitbucket		
			View Pull Request		
			Add to Watch		
			Run to Cursor		
			Command Palette	Ctrl+Shift+P	
			VersionVault		Add to Source Control
					Refresh
					Create Activity
					Set Existing Activity

Figure 24 File Context Menu - Add to Source Control...

Enter the comment and hit enter to add the file to source control.

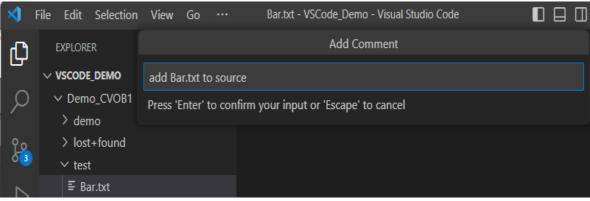


Figure 25 Add to Source Comment

After adding file to source control, the item will no longer appear in the **View-Private** section.

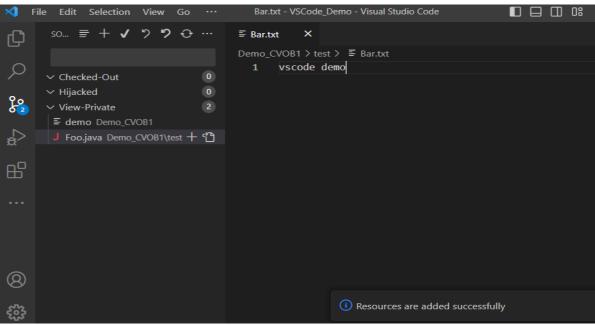


Figure 26 File Added to Source Control

### b. Source Control Page (SCM)

Select the **Source Control** icon from the left panel to see a list of view private files under "**View-Private**". From here you can add a single, selected, or all view private files/folders to source control.

×	File Edit Selection View	Go I	Run …	VSCode	_Demo - Visual Stud	io Code
С	SOURCE CONTROL $\equiv$ +	1 7	? ? ?			
$\mathcal{P}$	✓ Checked-Out			0		
0	✓ Hijacked			0		
P 3	✓ View-Private		+	3		
	<b>≣ demo</b> Demo_CVOB1					
	JS first.js Demo_CVOB1\tes	t				
~_	J Foo.java Demo_CVOB1	test				

Figure 27 List of View Private files/folders

You can click the "+" symbol in front of the file/folder item under **View-Private** to add a single resource to source control.

⋞	File	Edit	Selection	View	Go			first.js	s - VSCode_[	Demo - V	isual Stu	udio Code
பு		SOURCE	CONTROL	≣ +	✓	5	<b>&gt;</b> •		JS first.j	s ×		
									Demo_(	CVOB1 >	test >	JS first.j
O									1	var a	;	
$\sim$		✓ Checl	ked-Out					0				
		🗸 Hijacl	ked					0				
င္နို		✓ View	Private					3				
		≣ dem	no Demo_C	VOB1								
		JS first	.js Demo_C	VOB1\test			H	- එ				
		J Foo	. <b>java</b> Demo	_CVOB1\t	est			Add	to Source C	ontrol		
₿												

Figure 28 Adding single resource to source control

You can select the file/folder items under **View-Private** and right click on the selected items, then click "**Add to Source Control...**" to add files/folders to source control.

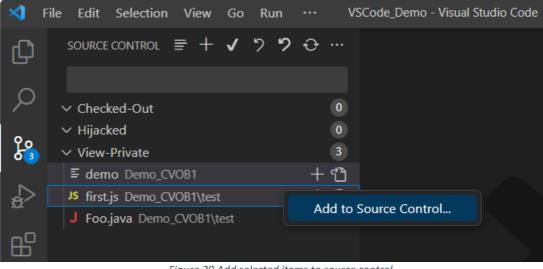


Figure 29 Add selected items to source control

To add all view-private files/folders to source control, click the "+" symbol in front of "View-Private" or "SOURCE CONTROL".

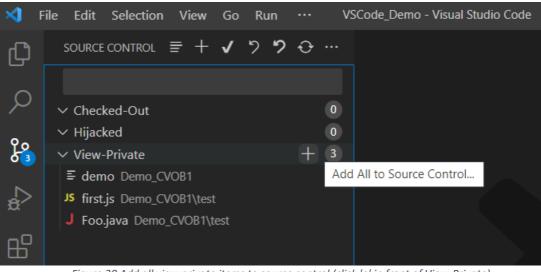


Figure 30 Add all view private items to source control (click '+' in front of View-Private)

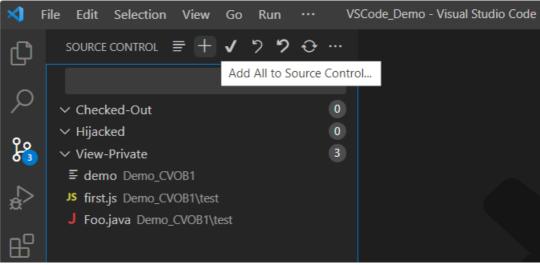


Figure 31 Add all view private items to source control (click '+' in front of SOURCE CONTROL)

Enter the comment and press enter to add the resources to source control.

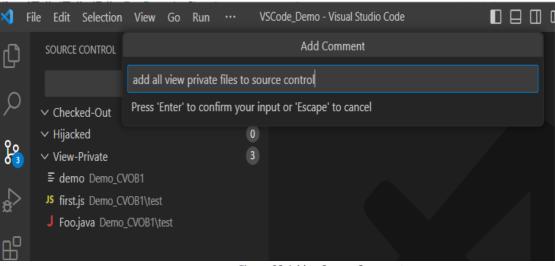


Figure 32 Add to Source Comment

⋈	File	Edit	Selection	View	Go	Run			VSCode_Demo - Visual Studio Code
Ð	s	OURCE	CONTROL	≡ +	~	າ <b>າ</b>	Ð		
Q									
		Check Hijack	ed-Out					0	
ze			Private					000	
\$									
₿									
••••									
8									
									<ol> <li>Resources are added successfully</li> </ol>

Figure 33 Added resources to source control

After adding the resources to source control, the items will no longer appear in the **View-Private** section.

#### 3.6 Check Out

To modify a source-controlled file, you must checkout or hijack the file. To check it out, open the file and right click in the file editor, select the **VersionVault->Check Out...** option which prompts for a comment.

×) F	File Edit Selection View Go	••• Foo.java	- VSCode_Demo - Visual Studio Code	
Ċ)	EXPLORER V VSCODE_DEMO V Demo_CVOB1	J Foojava Demo_CVOB 1 cla	Copy Pull Request Url to Clipboard Create Jira Issue	⊃ < [ ,‰
بر بر	> demo > lost+found	2 3 <b>4</b>	Create Pull Request Open Changeset	
a a	∨ test ≣ Bar.txt J Demo.java	5 6 }	Open in Bitbucket View Pull Request	Check Out Hijack
•••	JS first.js J Foo.java \$ test_script.sh		Add to Watch Run to Cursor	Refresh Remove
8	E test_view_private.txt		Run Java Debug Java	Rename Create Activity
ද‰3 D€ Sig	> TIMELINE > JAVA PROJECTS gn in to Jira > No active issue	Sign in to Bitbucke	Command Palette Ctrl+Shift+P VersionVault	Set Existing Activity CRLF {} Java ⊘Prettier \$
the pict		Sign in to bitbuckt	Figure 24 Chackaut the recourse	

Figure 34 Checkout the resource

Enter the comment and press enter to check out the file.

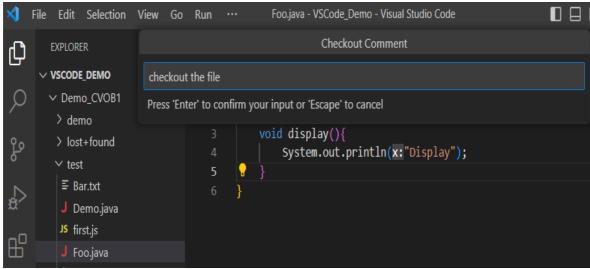


Figure 35 Checkout Comment

Post checkout, files will be listed under the **Checked-Out** section in the **Source Control** page.

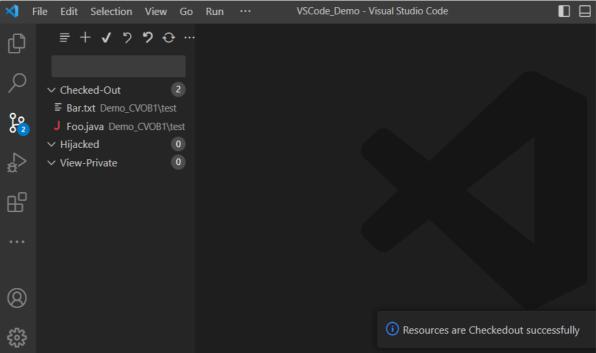


Figure 36 List of checked out resources

# 3.7 Check In

Check in the checked out files will create new versions in the VOB. There are two places from where you can execute a "**Check In...**" operation.

# a. File Context Menu

Open the checked out file and right click in the file editor, select the **VersionVault->Check In...** option which prompts for a comment. Using this option, you can check in a single file.

\$	File Edit Selection View Go	••• test_script.sh	- VSCode_Demo - Visual Studio Code	۵	
<b>(</b> )	EXPLORER V VSCODE_DEMO V Demo_CVOB1	<pre>\$ test_script.sh Demo_CVOB1 1 echo</pre>	Copy Paste	Ctrl+C Ctrl+V	
ر بر ن	<ul> <li>demo</li> <li>lost+found</li> </ul>	2 echo	Copy Pull Request Url to Clipboa Create Jira Issue	rd	
	∨ test ≣ Bar.txt J Demo.java		Create Pull Request Open Changeset		Check In Undo Checkout
•••	JS first.js J Foo.java		Open in Bitbucket View Pull Request		Refresh
8	\$ test_script.sh ≣ test_view_private.txt		Add to Watch		Remove Rename
	> OUTLINE > TIMELINE		Run to Cursor Command Palette Ctrl+	-Shift+P	Create Activity Set Existing Activity
	> JAVA PROJECTS gn in to Jira > No active issue	Sign in to Bitbucket	VersionVault Figure 37 File Context Men	) .F	Shell Script 🖉 Prettier 🛱

Enter the comment and press enter to check in the file.

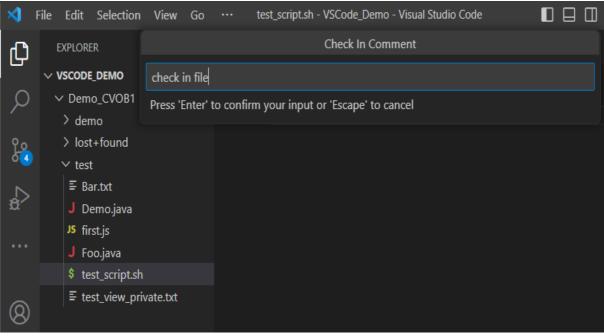


Figure 38 Check In Comment

After checkin, the file will no longer appear in the Checked-Out section in the Source Control page.

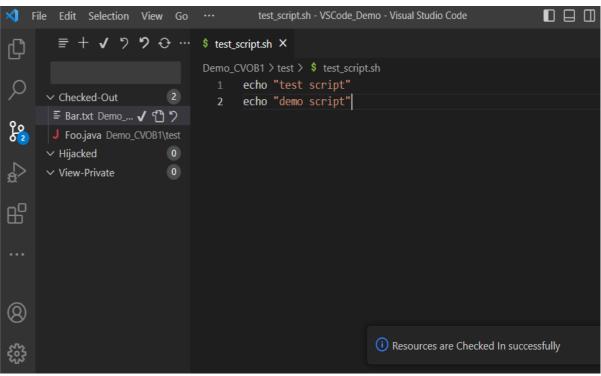


Figure 39 Resource is Checked In

# b. Source Control Page (SCM)

Select the **Source Control** icon from the left panel, you will see list of checked out resources under "**Checked-Out**". From here you can check in single, selected, or all checked out files/folders.

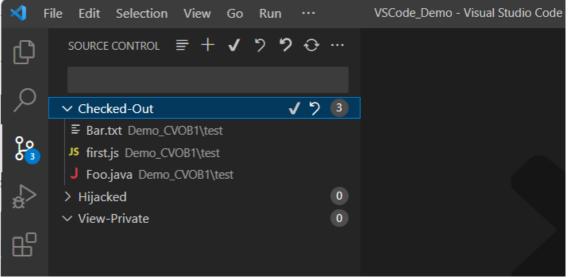


Figure 40 List of checked out files

You can click the " $\checkmark$ " symbol in front of file/folder items under **Checked-Out** to check in the file/folder.

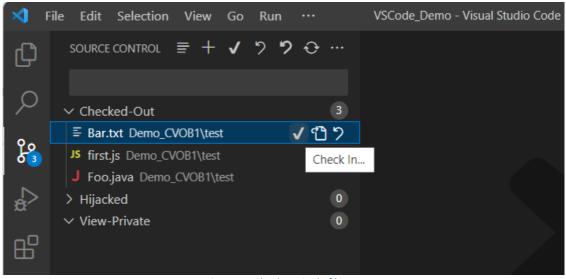


Figure 41 Check In single file

You can select the file/folder items under **Checked-Out** and right click on selected item, then click "**Check In...**" to check in the files/folders.

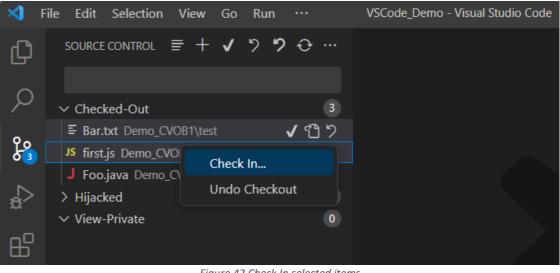


Figure 42 Check In selected items

To check in all checked out files/folders, click " $\checkmark$ " symbol in front of "Checked-Out" or "SOURCE CONTROL".

×1 - F	ile Edit Selection View Go	Run …	VSCode_D	emo - Visual Studio Code
Ω	SOURCE CONTROL $\equiv$ + 🗸	າ <b>າ</b> Ə		
$\mathcal{A}$	✓ Checked-Out	<b>√</b> ፇ	3	
0	■ Bar.txt Demo_CVOB1\test	С	heck In All	
<u>دم</u>	JS first.js Demo_CVOB1\test			
	J Foo.java Demo_CVOB1\test			
æ	> Hijacked		0	
	$\checkmark$ View-Private		0	
₿				

Figure 43 Check In all checked out files (click ' $\checkmark$ ' in front of Checked-Out)

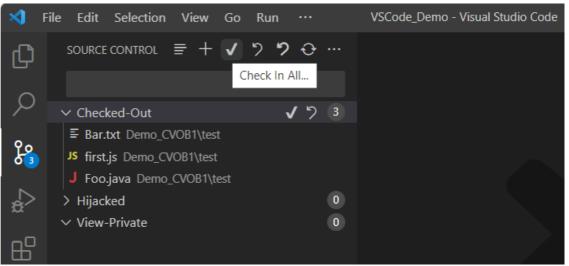


Figure 44 Check In all checked out files (click  $'\checkmark$  in front of SOURCE CONTROL)

Enter the comment and press enter to check in the resources.

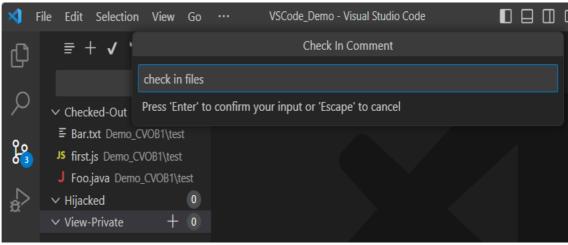


Figure 45 Check In files

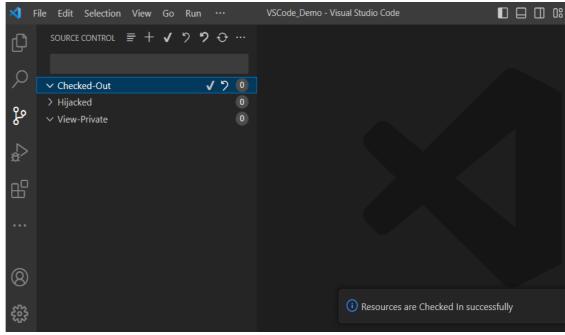


Figure 46 Resources are Checked In

After checking in resources, the items will no longer appear in the **Checked-Out** section.

### 3.8 Undo Checkout

Reverts the checked out file/folder to its pre-checked out state. It retains a backup copy of the file with a suffix '.keep', if the 'Undo Checkout Keep' option is enabled in the VersionVault Settings page (Refer Error! Reference source not found.). There are two places from where you can execute "Undo Checkout..." operation.

### a. File Context Menu

Open the checked out file and right click in the file editor, select **VersionVault-**>**Undo Checkout...** Using this option, you can undo checkout on a single file.

X) F	ile Edit Selection View	Go Run ••• B	ar.txt - VSCode_Demo - Vis	ual Studio Code	
Ŋ	SOURCE CONTROL $\equiv$ +	<b>√ ウ ウ ↔</b> …	≣ Bar.txt X	Source Action	
	✓ Checked-Out     E Bar.txt Demo_CVOB1\test	<b>√</b> ७ 3	Demo_CVOB1 > test > 1 vscode dem 2 welcome to 3 demo unche	no D VSOCC Copy	Ctrl+X Ctrl+C Ctrl+V
	J Foo.java Demo_CVOB1\te \$ test_script.sh Demo_CVOI > Hijacked ~ View-Private		Checkin Undo Checkout	Copy Pull Request Create Jira Issue Create Pull Reques Open Changeset	
			Refresh Remove	Open in Bitbucket View Pull Request	
8			Rename Create Activity	Add to Watch Run to Cursor	
			Set Existing Activit	ty Command Palette	. Ctrl+Shift+P
🕃 Sig	n in to Jira 💙 No active issue	🕃 Sign in to Bitbucket	⊗ 0 <u>∧</u> 0 Figure 47 Undo	Ln 3, C VersionVault Checkout single file	>

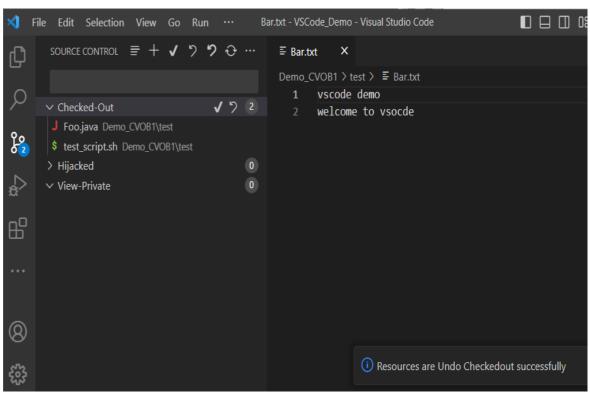


Figure 48 Resource is undo checked out

After undoing the checkout, the file will no longer appear in the **Checked-Out** section in the **Source Control** page and changes will be reverted.

### b. Source Control Page (SCM)

Select the **Source Control** icon from the left panel, you will see list of checked out resources under "**Checked-Out**". From here you can undo checkout on a single, selected, or all checked out files/folders.

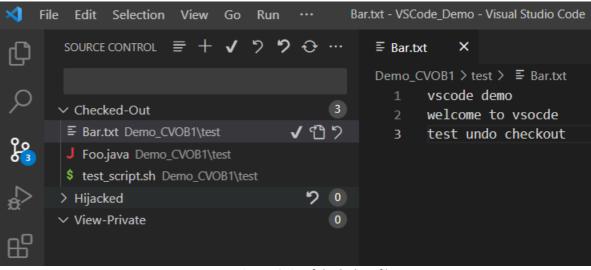


Figure 49 List of checked out files

You can click the symbol in front of file/folder item under **Checked-Out** to revert the file/folder.

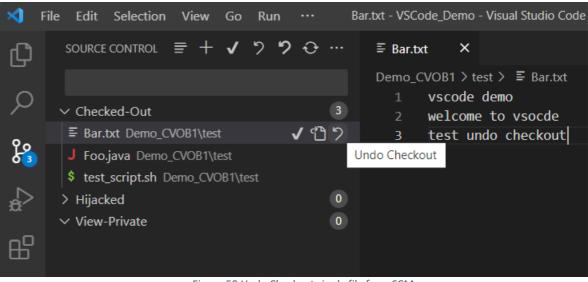


Figure 50 Undo Checkout single file from SCM

You can select the file/folder items under **Checked-Out** and right click on the selected item, then click "**Undo Checkout...**" to revert the changes.

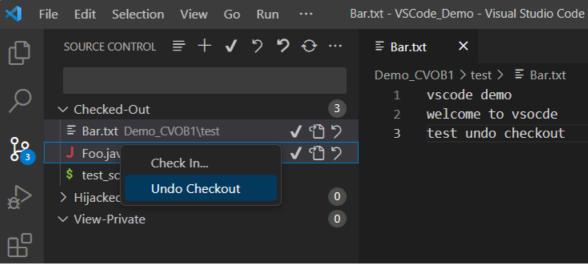


Figure 51 Undo Checkout selected files

To revert all the checked out files/folders, click the symbol in front of "Checked-Out" or "SOURCE CONTROL".

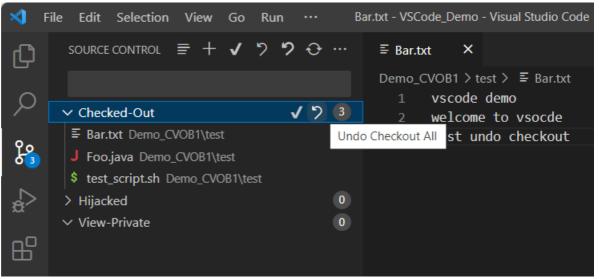


Figure 52 Undo Checkout all checkedout files

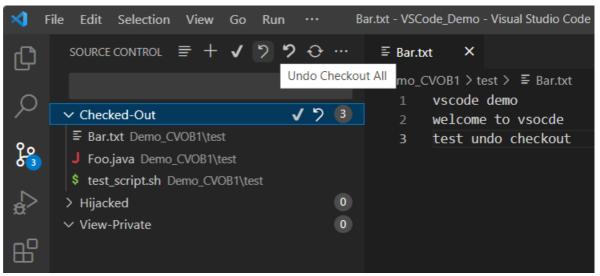


Figure 53 Undo Checkout all checkedout files

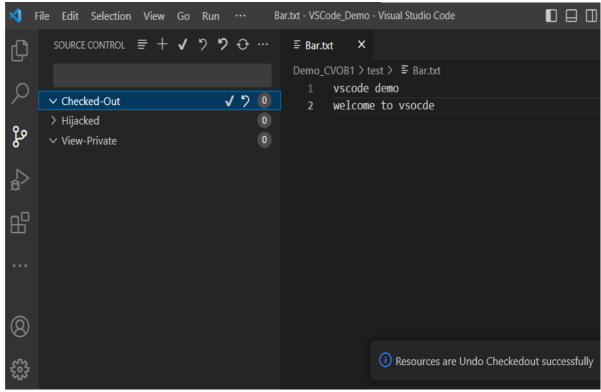


Figure 54 Resources are undo checked out

Post undo checkout, the items will no longer appear in the **Checked-Out** section and will be reverted to the pre-checked out state.

### 3.9 Hijack

Loaded files may be hijacked to allow modification without checking them out. Open the file and right click in file editor, select **VersionVault->Hijack...** 

Sile	e Edit source c				Run	 ר. בי			Demo - Visual Studio Code	Ctrl+C	] [] 0: -	□ X ▷ ~ □ …
ل م	SOURCEC	UNTKUL	= T	v	/ .			<b>J Foo.java</b> Demo_CV(	Copy Paste	Ctrl+V		р ч ш …
ک ہ	> Checke ∽ Hijacke > View-P	ed					0 0 0	1 c 2 3 4 5	Copy Pull Request Url to C Create Jira Issue Create Pull Request	Clipboard		
a ₽								6 <b>}</b>	Open Changeset Open in Bitbucket View Pull Request		Checkout Hijack	
•••									Add to Watch Run to Cursor Run Java		Refresh Remove Rename	
8 \$									Debug Java Command Palette	Ctrl+Shift+P	Create Acti Set Existing	
	in to Jira	> No ac	tive issue	Ŀ	Sign in	to Bitb	ucket	⊗0∆0	VersionVault Figure 55 Hijack file	>	{} Java ØP	Prettier 🕅 🕻



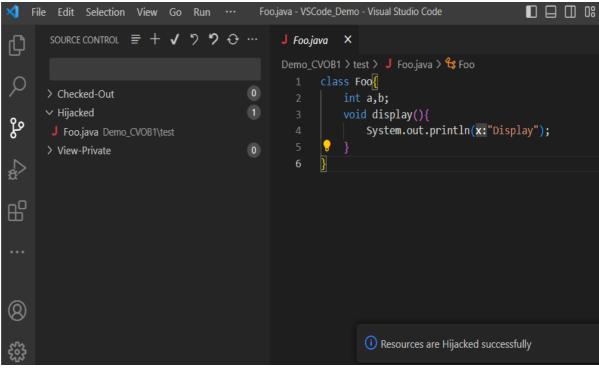


Figure 56 Resource is hijacked

### 3.10 Undo Hijack

Reverts the hijacked file to its pre-hijacked state. Retains a backup copy of the file with a suffix '.keep' if the '**Undo Hijack Keep**' option is enabled in the

**VersionVault** Settings page (Refer Error! Reference source not found.). If you do not want to create a '.keep' file, then disable the option. There are two places from where you can execute "Undo Hijack..." operation.

### a. File Context Menu

Open the hijacked file and right click in the file editor, select **VersionVault->Undo Hijack...** Using this option, you can undo hijack of a single file.

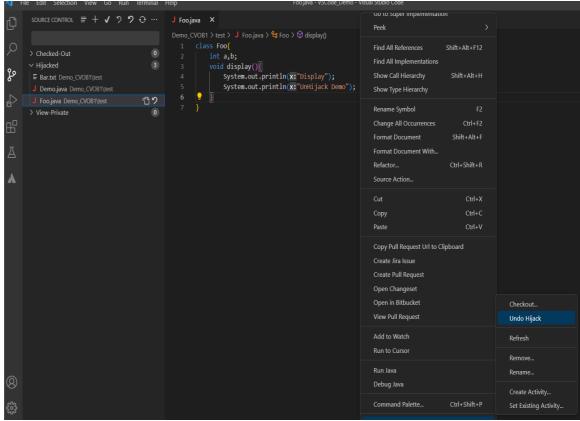


Figure 57 Undo Hijack file

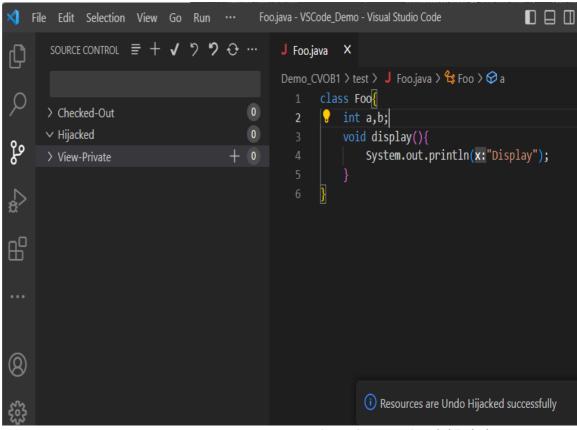


Figure 58 Resource is undo hijacked

Post undo hijack, the file will no longer appear in the **Hijacked** section in **Source Control** page and changes will be reverted.

### b. Source Control Page (SCM)

Select the **Source Control** icon from left panel to see the list of hijacked resources under "**Hijacked**". From here you can undo hijack of a single, selected, or all hijacked files.

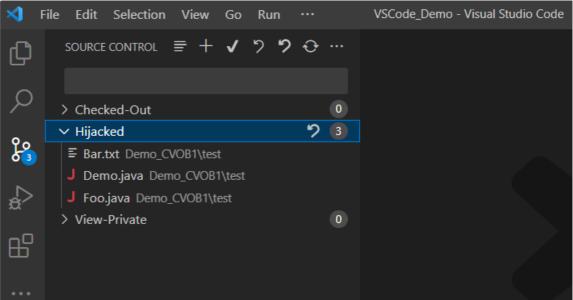


Figure 59 List of hijacked files

You can click the 🖾 symbol in front of file item under **Hijacked** to undo hijack on the file.

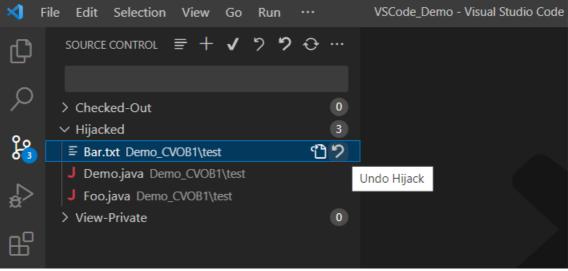


Figure 60 Undo Hijack single file

You can select the file items under **Hijacked** and right click on selected item, then click **"Undo Hijack...**" to revert the changes.

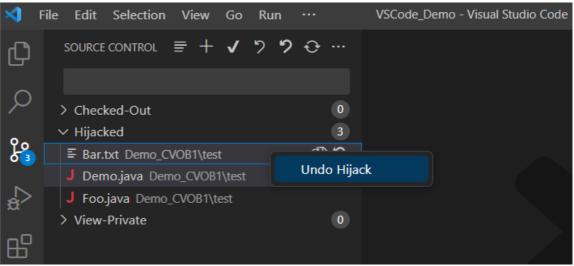


Figure 61 Undo Hijack selected files

To revert all the hijacked files, click the Symbol in front of "**Hijacked**" or "**SOURCE CONTROL**".

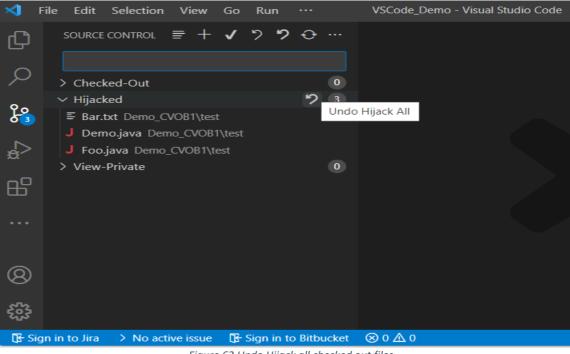


Figure 62 Undo Hijack all checked out files

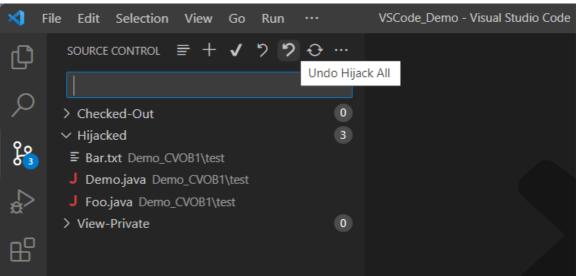


Figure 63 Undo Hijack all checked out files

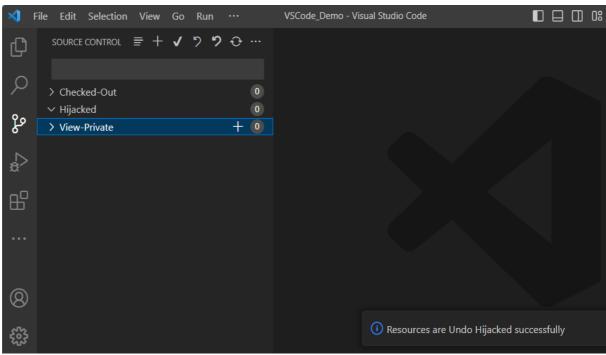


Figure 64 Resources are undo hijacked

Post undo hijack, the items will no longer appear in the **Hijacked** section and the files will be reverted to their pre-hijacked state.

#### 3.11 Rename

Rename the version-controlled resource to a new name in the same directory. Open the file and right click in the file editor, select the **VersionVault->Rename...** option which prompts you to enter a new name.

📢 File Edit Selection View Go Run … B	ar.txt - VSCode_	Demo - Visual Studio Code		
EXPLORER ···	≣ Bar.txt	Source Action		Ξ
<pre>&gt; VSCODE_DEMO &gt; Demo_CVOB1 &gt; demo &gt; lost+found &gt; test </pre>	Demo_CVO 1 vs 2 we		Ctrl+X Ctrl+C Ctrl+V pboard	
J Demo,java J first.js J Foo.java \$ test_script.sh		Create Jira Issue Create Pull Request Open Changeset Open in Bitbucket		Checkout Hijack Refresh
		View Pull Request Add to Watch Run to Cursor		Remove Rename Create Activity
TIMELINE     JAVA PROJECTS     Sign in to Jira > No active issue	⊗ 0 ∆ 0	Command Palette VersionVault	Ctrl+Shift+P	Set Existing Activity Plain Text ② Prettier &
	_	Figure 65 Rename resourc		

Enter the new name and press enter to rename the file.

<b>X</b>	File Edit Selection	View Go	Run ··	·• Ba	ar.txt - VSCode_Demo - Visual Studio Code	
பு	EXPLORER				Rename	
	$\vee$ VSCODE_DEMO	Bar_Renan	ne.txt			
Р	✓ Demo_CVOB1 ✓ demo	Enter New	Name (Pre	ess 'Enter'	' to confirm or 'Escape' to cancel)	
ရီစ	> lost+found					
	✓ test E Bar.txt					
æ	J Demo.java					
₿	JS first.js J Foo.java					
	<pre>\$ test_script.sh</pre>					

Figure 66 Rename Comment

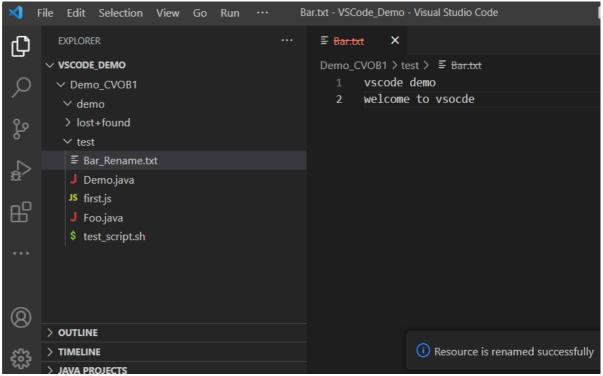


Figure 67 Resource Renamed

### 3.12 Remove

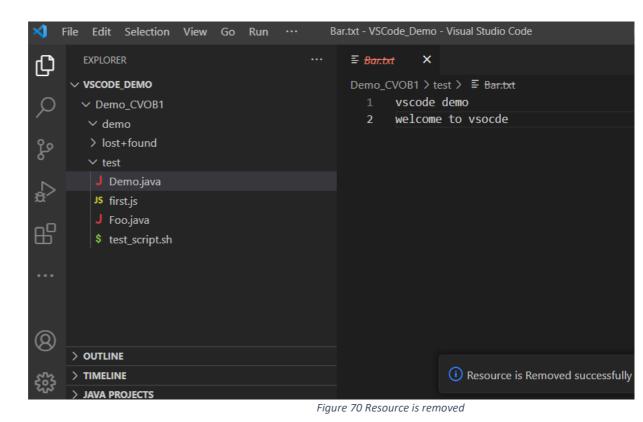
Delete the source-controlled resource. It is like using the VersionVault `**rmname**` command. This command removes the resource from future versions of its parent directory, but it does not remove the element (i.e., the version history) from the VOB so it is still present in older versions or baselines. Its history will also remain accessible. Open the file and right click in the file editor, the select the **VersionVault->Remove...** option which prompts you for a comment.

刘 File Edit	Selection View	Go Run ••• B	ar.txt - VSCod	e_Demo - Visual Studio Code			
	R		≣ Bar.txt	Source Action			Ē
✓ <b>VSCODE</b> ✓ Demo ✓ dem	_CVOB1			o _{Ys} Cut Æ Copy	Ctrl+X Ctrl+C		
} lost+ ∨ test				Paste	Ctrl+V		
IS fire	mo.java			Copy Pull Request Url to Create Jira Issue	o Clipboard	Checkout	
				Create Pull Request Open Changeset	Hijack		
				Open in Bitbucket View Pull Request		Refresh Remove	
				Add to Watch Run to Cursor		Rename	
> TIMELINI > JAVA PRO	:			Command Palette	Ctrl+Shift+P	Create Activity Set Existing Activ	/ity
🕃 Sign in to Jira	> No active issue	🕃 Sign in to Bitbucket	⊗0∆0	VersionVault Figure 68 Remove res	> source	Plain Text 🔗 Prettie	ਆ ਨੇ

Enter the comment and press enter to remove the file.

<b>X</b>	File Edit Selection	View Go Run	••• В	ar.txt - VSCode_Demo	- Visual Studio Code	
பு	EXPLORER			Remove Co	omment	
	$\vee$ VSCODE_DEMO	remove Bar.txt file				
ρ	✓ Demo_CVOB1	Press 'Enter' to co	nfirm your i	nput or 'Escape' to ca	ancel	
ဠ၀	∨ demo > lost+found					
	∨ test ≣ Bar.txt					
£	J Demo.java					
₿	JS first.js J Foo.java					
	\$ test_script.sh					

Figure 69 Remove Comment



### 3.13 Refresh

Refresh the version-controlled resource. If the resource was changed outside Visual Studio Code which includes by any other VersionVault editor tools, **Refresh** will update Visual Studio Code with the changes. Open the file and right click in file editor, select **VersionVault->Refresh**.

×1 –	ile Edit Selection View Go …	test_	script.sh - VSCode_Demo - Visual Studio	o Code
Ŋ	EXPLORER		\$ test_script.sh ×	Source Action
ر م گ	<ul> <li>VSCODE_DEMO</li> <li>Demo_CVOB1</li> <li>demo</li> <li>lost+found</li> <li>test</li> <li>Demo.java</li> </ul>		Demo_CVOB1 > test > \$ test_sc 1 echo "test script" 2 echo "demo script"	Cut     Ctrl+X       Copy     Ctrl+C       Paste     Ctrl+V       Copy Pull Request Url to Clipboard
₽ ₽	JS first.js J Foo.java \$ test_script.sh		Checkout Hijack Refresh	Create Jira Issue Create Pull Request Open Changeset Open in Bitbucket
 8			Remove Rename	View Pull Request Add to Watch Run to Cursor
	> OUTLINE > TIMELINE > JAVA PROJECTS		Create Activity Set Existing Activity	Command Palette Ctrl+Shift+P
🕞 🕃 Sig	yn in to Jira → No active issue 🛛 🔂 Sign in to Bitl	bucket	⊗ 0 ▲ 0     Ln 2, Col       Figure 71 Refresh resource	VersionVault > , e

×1 - F	ile Edit Selection View Go ····	test_script.sh - VSCode_Demo	- Visual Studio Code
Ð	EXPLORER .	•• \$ test_script.sh ×	
Q	<pre>     vscode_demo     Demo_CVOB1</pre>	2 echo "den	st script" no script"
မို	> lost+found	3 <u>echo de</u> n	no refresh"
a ⊂	J Demo.java JS first.js J Foo.java		
₿	<pre>\$ test_script.sh</pre>		
8	> OUTLINE		
572	> TIMELINE	(	i) Resource is Refreshed successfully
202			

Figure 72 Resource is refreshed

### **3.14 Update from Repository**

If any changes were made to the VOB, perhaps by other users delivering their code, **Update from Repository** will update the resources to the latest versions and refresh the sections in SCM page like **Checked-Out**, **Hijacked** and **View-Private** 

<	≡	VSCo	de_Demo - Visual Studio Coo	le 🚺
СŊ	SOURCE CONTROL	₹	+ 🗸 🤊 🔊 🕂 …	
			Upda	ate from Repository
Q	✓ Checked-Out		0	
0.	✓ Hijacked		0	··· Window
مړ	✓ View-Private		+ 0	
å				
8				
£53				
🕃 Si	gn in to Jira 🔷 No active iss	ue 🛛 🕃 Sign in to Bitbucket	⊗ 0 ∆ 0	

Figure 73 Update from Repository

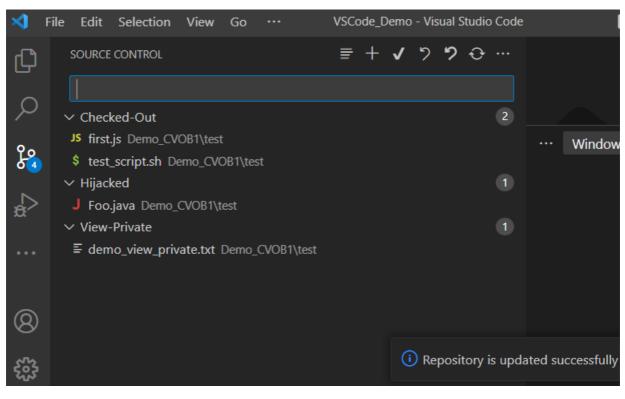


Figure 74 Repository Updated

# 3.15 Disconnect from WAN Server

To log out, disconnect from the WAN server. Select the **Source Control** icon from the left panel, then click the "more" option ... (three dots) and click the **VersionVault-**>**Disconnect from WAN Server** option.

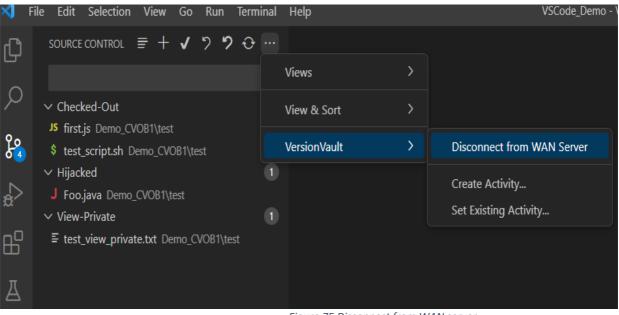


Figure 75 Disconnect from WAN server

