

How do I collapse sections of code in Visual Studio Code for Windows?

Asked 4 years, 3 months ago Active 13 days ago Viewed 305k times



How do I fold or collapse sections of code in Visual Studio Code?

591

Is this feature supported?



visual-studio-code



172

edited Dec 15 '18 at 17:59



Peter Mortensen

14.3k ● 19 ● 88 ● 116

asked May 6 '15 at 4:50



Nick

3,781 ● 3 ● 12 ● 19

17 Answers



[Folding](#) has been rolled out and is now implemented since Visual Studio Code [version 0.10.11](#). There are these keyboard shortcuts available:

1026



- **Fold** folds the innermost uncollapsed region at the cursor:

- + + on Windows and Linux
- + + on macOS

- **Unfold** unfolds the collapsed region at the cursor:

- + + on Windows and Linux
- + + on macOS

- **Fold All** folds all regions in the editor:

- + , + (zero) on Windows and Linux
- + , + (zero) on macOS

- **Unfold All** unfolds all regions in the editor:

- + , + on Windows and Linux
- + , + on macOS

edited Mar 16 at 0:57



Nuno André

1,679 ● 15 ● 24

answered May 6 '15 at 13:00



Brocco

43.7k ● 8 ● 58 ● 72

@DouglasGaskell I made the same mistake. It is a zero not an o, Michael Fulton's [Fold Level1](#) answer made more sense to me. – [Dan Marshall](#) Apr 13 '17 at 22:10

Don't know if its a Code version issue, a Windows version issue, or something else, but on my PC it only works with Right Ctrl. You may want to note that. [More](#) Jul 9 '19 at 1:54

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VS Code (version 1.33.1) has an option to always show cold folding controls. Press `CTRL + ,` to bring up Settings, enter **folding** in 'search settings' box and you'll see the Show Folding Controls option there.
– [Darren Evans](#) Apr 27 at 14:33

You, good sir, deserve a nobel prize! – [Ali Abbas Jaffri](#) Jul 29 at 15:29

As of Visual Studio Code version 1.12.0, April 2017, see [Basic Editing > Folding](#) section in the docs.

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The default keys are:

Fold All: `CTRL + K`, `CTRL + 0` (zero)

Fold Level [n]: `CTRL + K`, `CTRL + [n]` *

Unfold All: `CTRL + K`, `CTRL + J`

Fold Region: `CTRL + K`, `CTRL + [`

Unfold Region: `CTRL + K`, `CTRL +]`

*Fold Level: to fold all but the most outer classes, try `CTRL + K`, `CTRL + 1`

Macs: use `⌘` instead of `CTRL` (thanks Prajeet)

edited Dec 16 '18 at 20:53

answered Jun 23 '16 at 20:42



[Michael Fulton](#)

2,440 ● 1 ● 14 ● 30

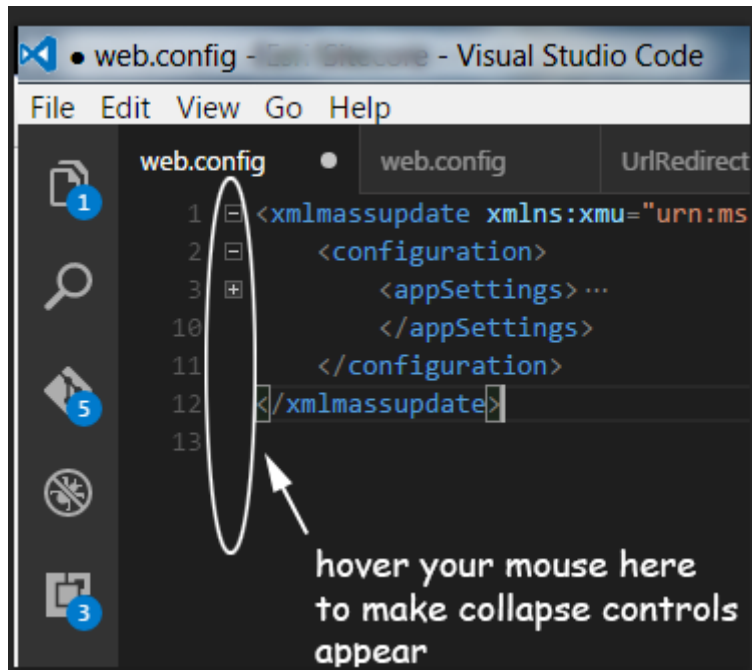
Does it save and restore the state of folds between IDE start/shut down? – [Green](#) Nov 20 '16 at 14:58

Some reason `ctrl+k,ctrl+num` only works on numbers above qwerty not on numpad – [MotKohn](#) Sep 28 '17 at 22:01

Fold to level [n] doesn't fold the section where the cursor is located. This always makes me think it didn't do what I expected. Is there an option to turn off this behavior? – [RonnBlack](#) Jul 31 '18 at 18:13

This feature is available in the standard build now. To make the collapse/expand controls appears, you need to mouse over the area just to the right of the line numbers as shown in this screenshot:

62



edited Dec 15 '18 at 18:23



Peter Mortensen

14.3k ● 19 ● 88 ● 116

answered Sep 8 '16 at 17:17



BraveNewMath

5,339 ● 2 ● 36 ● 47

Code folding by **regions** has arrived with v1.17. [Folding by regions documentation](#). And [v1.19](#) and [1.23](#).

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```
TypeScript/JavaScript: // #region and // #endregion and // region and // endregion
C#:                    #region and #endregion
C/C++:                #pragma region and #pragma endregion
F#:                   // #region and // #endregion
PowerShell:           #region and #endregion
Python:               #region and #endregion
VB:                   #Region and #End Region
PHP:                  #region and #endregion
Bat:                  :: #region and :: #endregion
```

Each language also has snippets available for the markers. Type '#' and invoke code completion to see them. To have region markers configured for your language, contact the language extension provider.

v1.23 added CSS/SCSS/Less code folding regions:

```
CSS/SCSS/Less:        /* #region */ and /* #endregion */ or /* #region */ and
/* #endregion */
SCSS/Less:            // #region and // #endregion
```

v1.35 added:

```
Go:                   // region, // endregion and // #region, // #endregion
```

edited Jul 5 at 7:13

answered Oct 6 '17 at 2:09



Mark

20.2k ● 4 ● 61 ● 82

- 1 `// region` and `// endregion` are not working with VS Code version 1.22 (haven't tested versions below or above that though). But `// #region` and `// #endregion` works (note the '#' and space in both). This way ESLint (if you are using) won't show error if `spaced-comment` rule is on (i.e. not set to 'off' or 0). – [ozanmuyes](#) Apr 11 '18 at 12:55

In CSS, it's actually `/* #region Foo Bar */` and `/* #endregion */` – [toddm](#) May 22 '18 at 1:18

- 1 @ozanmuyes it depends on the file type (language). `//region` and `//endregion` are for JavaScript. – [lealceldeiro](#) Jun 4 at 7:36

The default shortcut for collapse/extend are:

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+ + : "Fold"

+ + + : "Fold all"

+ + : "Unfold"

+ + + : "Unfold all"

Or go to `keybindings.json` and change as you wish.

For example:

```
{
  "key": "cmd+k cmd+m",
  "command": "editor.foldAll",
  "when": "editorFocus"
},
{
  "key": "cmd+m cmd+k",
  "command": "editor.unfoldAll",
  "when": "editorFocus"
},
```

edited Jun 21 at 9:49



Monster Brain

573 ● 5 ● 17

answered Mar 29 '16 at 10:28



Samuel Pinto

759 ● 8 ● 7

is this limited to some languages? doesn't work for me on OSX/typescript. – [dcsan](#) Sep 3 '16 at 15:52

- 1 Please review this: `ctrl+shift+alt+["Unfold all"` You wrote `[` instead of `]`. Correct me if I am wrong. – [fWd82](#) May 18 '17 at 7:50

@dcsan it doesn't work for me in python/linux either. `Ctrl+K`, `Ctrl+0` (zero) and `Ctrl+K`, `Ctrl+J` do work though as per the accepted answer – [cleary](#) Jul 19 at 6:42

19

```
{
  "editor.showFoldingControls": "always",
  "editor.folding": true,
  "editor.foldingStrategy": "indentation",
}
```

edited Apr 11 '18 at 14:10

answered Apr 11 '18 at 14:04

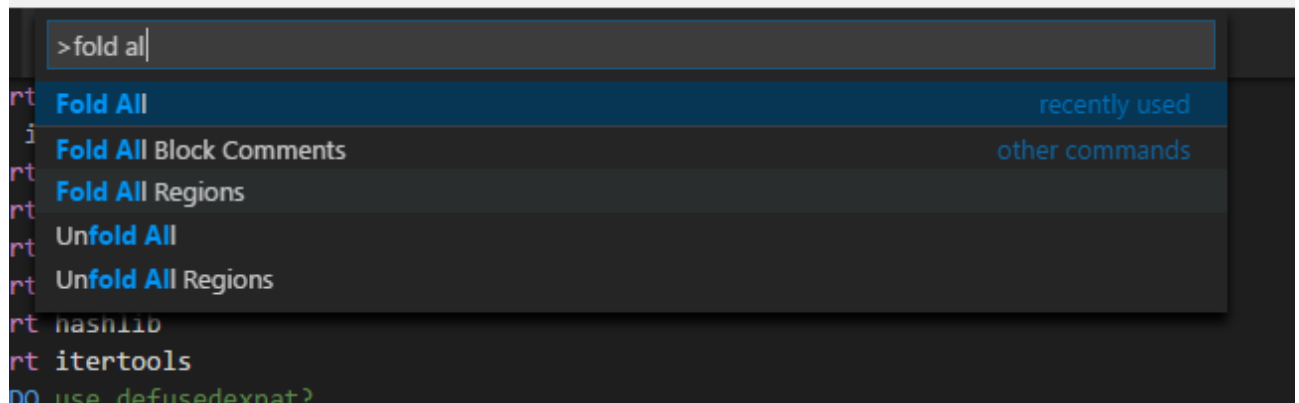


Minh Tien Tran

361 ● 3 ● 7

15

If none of the shortcuts are working (like for me), as a workaround you can also open the command palette (`Ctrl` + `3` or View -> Command Palette...) and type in `fold all`:



answered Jun 8 '18 at 11:38



Jorn Vernee

22.2k ● 3 ● 44 ● 67

I think I figured out what happens... it folds the block only if there is the `[+]` available, in python for example it does not fold the following: github.com/heldersepu/GMapCatcher/blob/master/gmapcatcher/... – Helder Sepulveda Mar 30 at 13:59

@HelderSepulveda Well, it supposedly folds block comments, but python doesn't have those. The code you linked uses multiple single line comments. – Jorn Vernee Mar 30 at 15:04

Collapsing is now supported in [release 1.0](#):

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Source Code Folding Shortcuts

There are new folding actions to collapse source code regions based on their folding level.

There are actions to fold level 1 (`Ctrl` + `K` `Ctrl` + `1`) to level 5 (`Ctrl` + `K` `Ctrl` + `5`). To unfold, use Unfold All (`Ctrl` + `Shift` + `Alt` + `J`).

The level folding actions do not apply to region containing the current cursor.

I had a problem finding the `1` button on my keyboard (Norwegian layout) and in my case it was

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Peter Mortensen

14.3k ● 19 ● 88 ● 116



Stian Standahl

1,619 ● 2 ● 22 ● 39



ctrl + k + 0 : Fold all levels (namespace , class , method , block)

9

ctrl + k + 1 : namespace



ctrl + k + 2 : class

ctrl + k + 3 : methods

ctrl + k + 4 : blocks

ctrl + k + [or] : current cursor block

ctrl + k + j : UnFold

answered Feb 13 at 9:18



mammadkoma

799 ● 4 ● 11



With JavaScript:

6

```
//#region REGION_NAME
...code here
//#endregion
```



edited Dec 15 '18 at 18:27



Peter Mortensen

14.3k ● 19 ● 88 ● 116

answered Jan 19 '18 at 5:13



Rafael Grilli

639 ● 5 ● 16











As of version 1.3.1 (2016-07-17), Block Collapse is much more convenient.

4

Any line followed by an indented line will have a '-' character to allow collapse. If the block is collapsed, it will then be replaced by a '+' character that will open the collapsed block.



The ( +  +  + ) will still affect all blocks, closing one level. Each repeated use closed one more level. The ( +  +  + ) works in the opposite way.

Hooray, block collapse finally works usefully.

edited Dec 15 '18 at 18:22



Peter Mortensen

14.3k ● 19 ● 88 ● 116

answered Jul 16 '16 at 12:19




Miguelito

93 ● 1 ● 9

Adding to this - if you out-dent a comment around a region of code, you can use comments to build custom regions in your code and collapse entire custom segments! Great feature! – [Tim Cederquist](#) Jun 7 '17 at 16:40

On a Mac, it's the RHS Command key,  , not the left for the code folding commands.

2

Otherwise the left hand Command key will delete the current line,  .

edited Dec 15 '18 at 18:23



Peter Mortensen

14.3k ● 19 ● 88 ● 116

answered Aug 17 '17 at 13:30

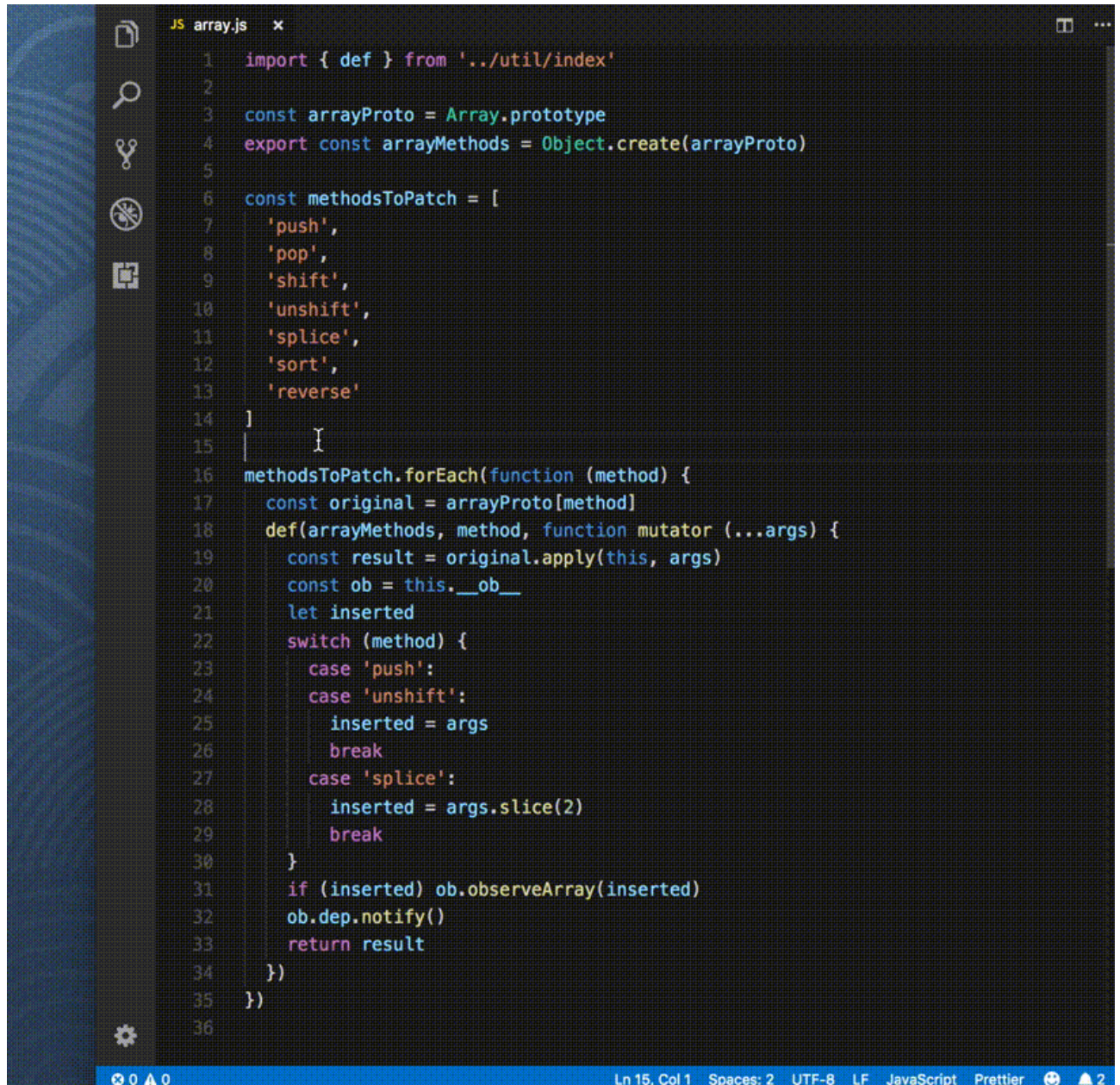


ReaddyEddy

297 ● 3 ● 7

VSCode extension: [Fold Level](#), one key fold to the level you want.

1



```
1  import { def } from '../util/index'
2
3  const arrayProto = Array.prototype
4  export const arrayMethods = Object.create(arrayProto)
5
6  const methodsToPatch = [
7    'push',
8    'pop',
9    'shift',
10   'unshift',
11   'splice',
12   'sort',
13   'reverse'
14 ]
15
16 methodsToPatch.forEach(function (method) {
17   const original = arrayProto[method]
18   def(arrayMethods, method, function mutator (...args) {
19     const result = original.apply(this, args)
20     const ob = this.__ob__
21     let inserted
22     switch (method) {
23       case 'push':
24       case 'unshift':
25         inserted = args
26         break
27       case 'splice':
28         inserted = args.slice(2)
29         break
30     }
31     if (inserted) ob.observeArray(inserted)
32     ob.dep.notify()
33     return result
34   })
35 })
```

answered Feb 25 at 1:13



vikyd

346 ● 3 ● 10

1

just add the region tags, such as `//#region my block name` and `//#endregion` if coding in TypeScript/JavaScript.

Example:

```
9
10 export class CharacterPairSupport {
11     //#region properties
12     private readonly _autoClosingPairs: StandardAutoClosingPairConditional[];
13     private readonly _surroundingPairs: IAutoClosingPair[];
14     //#endregion
15
16     //#region Auto Pairs ...
43
44     //#region Surrounding Pairs ...
51
52
```

edited Mar 26 at 10:27



bleuthoot

44 ● 1 ● 7

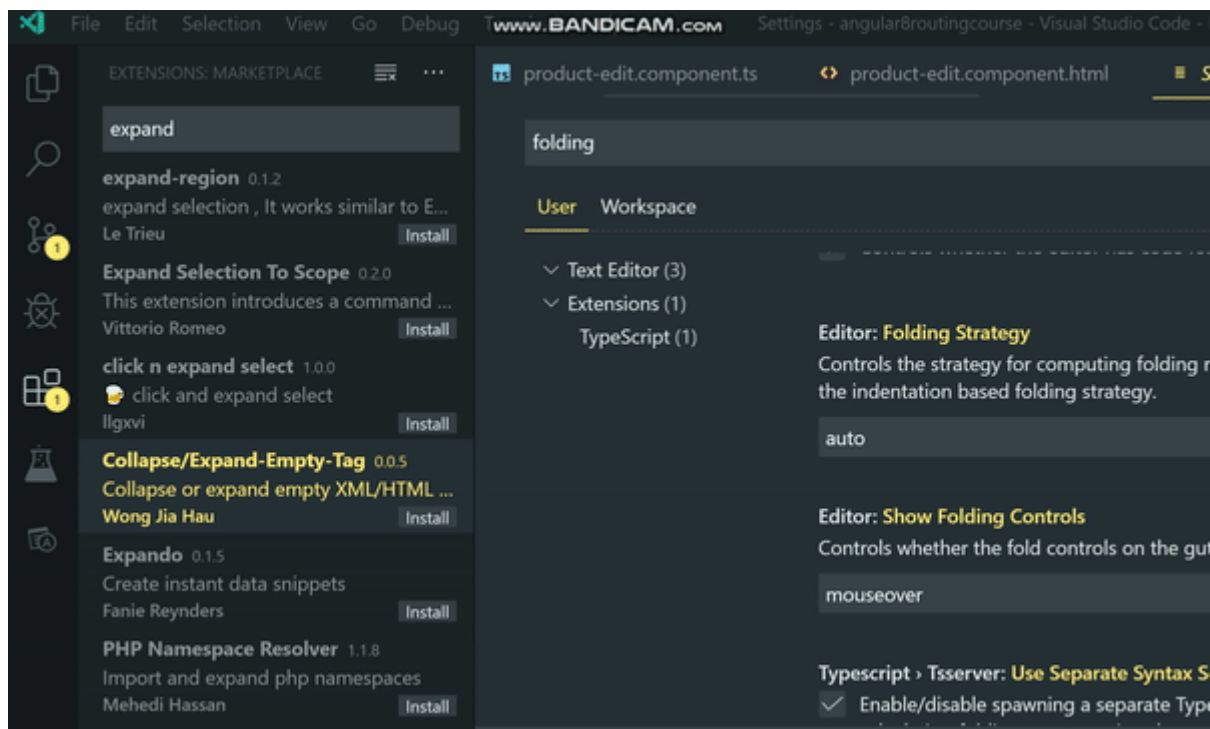
answered Oct 29 '17 at 0:30



Murilo Perrone

87 ● 1 ● 3

1

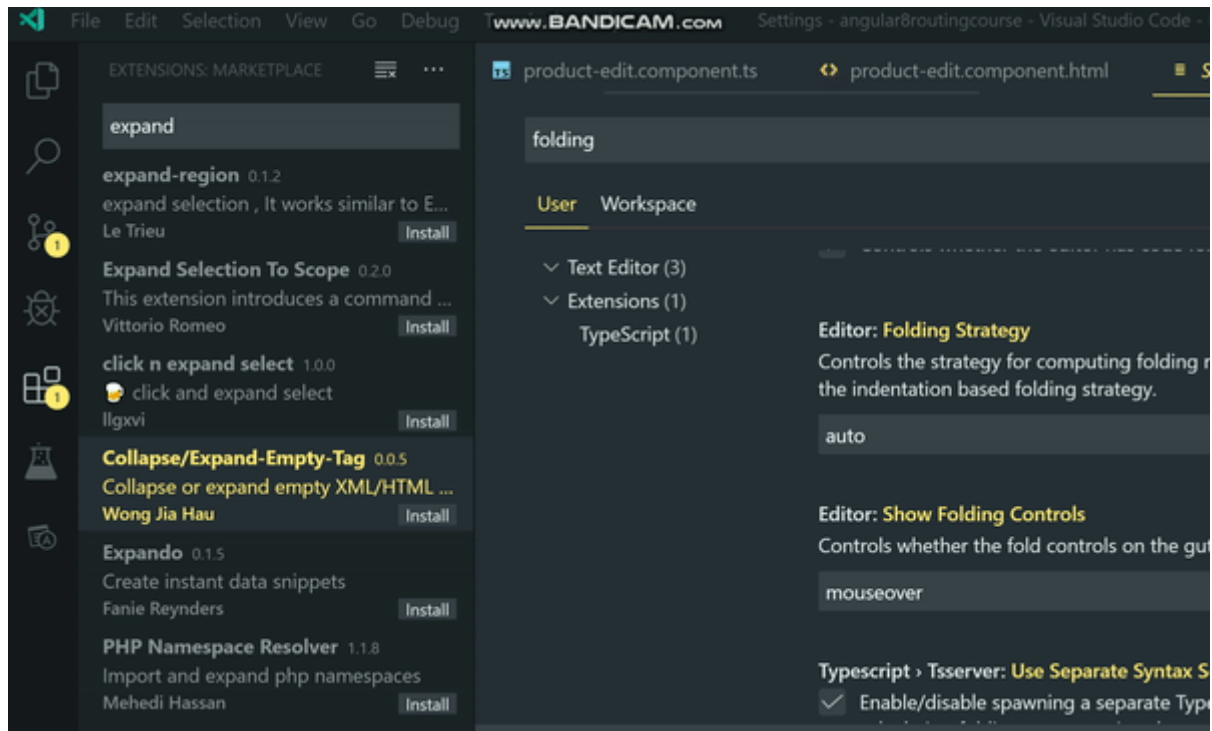


No technical tips here, just simple adjustments of the preferences of VsCode.

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This was tested with VsCode Insiders 1.37.0 running on a Windows 10 OS.



answered Jul 30 at 20:27



[Tore Aurstad](#)

1,007 ● 8 ● 8

I wish Visual Studio Code could handle:

0

```
#region Function Write-Log
Function Write-Log {
    ...
}
#endregion Function Write-Log
```

Right now Visual Studio Code just ignores it and will not collapse it. Meanwhile Notepad++ and PowerGUI handle this just fine.

Update: I just noticed an update for Visual Studio Code. This is now supported!

edited Dec 15 '18 at 23:58



[Peter Mortensen](#)

14.3k ● 19 ● 88 ● 116

answered Aug 7 '18 at 19:12



[Mr. Annoyed](#)

343 ● 2 ● 12

In the windows build the shortcut is set to Alt + 0

0

answered Jan 2 at 23:42



[SuperSandro2000](#)

111 ● 2 ● 7

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protected by [Matt Bierner](#) May 17 at 0:09

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