

Find Usages is slow in v5 beta



[Andrew Alm](#) 117 posts since

Jul 22, 2005

I recently installed the beta version of ReSharper (version 5), and I noticed that the find usages command is much slower in this version than it has been in version 4. I have a pretty pretty large web site project in my solution, and when I did a find usages on a method of a class in a referenced .csproj file, it took a few minutes to find them all. This used to take only a couple seconds for the same search in version 4. Have there been some architectural changes that have caused this slow down, and is there any plans to address this? I am using VS 2008.

~Andy



[Alexander Nesterenko](#) 73 posts since

Oct 20, 2009 1. **Re: Find Usages is slow in v5 beta** Jan 8, 2010 12:04 PM

Hello Andy,

Do you use MVC?

Do you have resx files and how much in the web project?

Find Usages is slow in v5 beta

Best regards,

Alexander Nesterenko

ReSharper developer

JetBrains, Inc

<http://www.jetbrains.com>

"Develop with pleasure!"



[Andrew Alm](#) 117 posts since

Jul 22, 2005 2. **Re: Find Usages is slow in v5 beta** Jan 8, 2010 11:55 PM

Hello Alexander,

Our site is in transition. About half of the site is using the ASP.NET Mvc framework, and about half of it is using classic ASP.NET pages. It is a pretty large site. Here is an approximate count of pages/controls/resx files:

.aspx Pages: 140

User Controls: 340

.resx Files (not counting localized copies):240

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Something I noticed that was a little odd was that when I did a find usages search of a method, it took about 3 minutes to complete, and during much of that time it was searching through various .xml and .resx files.

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Hello Andy,

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ReSharper developer

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[Andrew Alm](#) 117 posts since

Jul 22, 2005 3. **Re: Find Usages is slow in v5 beta** Jan 16, 2010 2:41 AM

Is Anyone at ReSharper looking into this issue? This seems like a pretty critical issue that needs to be addressed. I know from other forum posts I've seen I'm not the only one experiencing it.

Thanks,

~Andy

Hello Alexander,

Our site is in transition. About half of the site is using the ASP.NET Mvc framework, and about half of it is using classic ASP.NET pages. It is a pretty large site. Here is an approximate count of pages/controls/resx files:

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[Andrey Serebryansky](#) 2,747 posts since

Jan 12, 2005 4. Re: Find Usages is slow in v5 beta Jan 18, 2010 3:13 PM

Hello Andrew

Find Usages is slow in v5 beta

We're currently investigating the problems with Find Usages performance. Could you please follow the instructions at <http://www.jetbrains.net/confluence/display/ReSharper/ReSharper+Performance+Profiling+Instructions> to gather some performance snapshots of this problem and send them to andrew dot serebryansky at jetbrains dot com? This would really help us to track the problem down. Thank you!

Andrey Serebryansky

Support Engineer

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<http://www.jetbrains.com>

"Develop with pleasure!"



[Andrew Alm](#) 117 posts since

Jul 22, 2005 5. **Re: Find Usages is slow in v5 beta** Jan 19, 2010 10:22 PM

Hello Andrey,

I followed the instructions and I have a dtc snapshot file. However, it is 3.25 GB in size, which is too large for me to email to you. Is there some other location I can upload it to? It also seems like it is too large for me to open in dotTrace (it says I do not have enough memory...I have 4GB)

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Find Usages is slow in v5 beta

<http://www.jetbrains.com>

"Develop with pleasure!"

Original message URL:

<http://www.jetbrains.net/devnet/message/5254483#5254483>



[Ilya Ryzhenkov](#) *2,694 posts since*

Apr 13, 2004 **6. Re: Find Usages is slow in v5 beta** Jan 19, 2010 11:52 PM

Hello Andy,

Could you please upload it to [ftp.intellij.net/.uploads](ftp://intellij.net/.uploads) ? Thanks a lot!

Sincerely,

Ilya Ryzhenkov

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[Andrew Alm](#) 117 posts since

Jul 22, 2005 7. **Re: Find Usages is slow in v5 beta** Jan 20, 2010 4:16 AM

Find Usages is slow in v5 beta

Hello Ilya,

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Command: STOR Resharper5_FindUsagesSlow.dtc

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[Ilya Ryzhenkov](#) 2,694 posts since

Apr 13, 2004 8. Re: **Find Usages is slow in v5 beta** Jan 20, 2010 12:13 PM

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[Andrew Alm](#) 117 posts since

Jul 22, 2005 9. **Re: Find Usages is slow in v5 beta** Jan 22, 2010 2:58 AM

Hello Ilya,

Good idea to compress it first (I should have thought of that). I compressed it to a .7z file and uploaded it to the .uploads directory. It succeeded this time. The name of the file is ReSharper5_FindUsagesSlow.7z.

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[Andrew Alm](#) 117 posts since

Jul 22, 2005 10. Re: **Find Usages is slow in v5 beta** Jan 25, 2010 9:32 PM

Did you get my snapshot? Was it helpful? Is there a bug/ticket number for this issue that I can use to track its progress?

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Find Usages is slow in v5 beta

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Find Usages is slow in v5 beta



[Kod Exe](#) 12 posts since

Jan 8, 2010 11. **Re: Find Usages is slow in v5 beta** Jan 25, 2010 10:00 PM

andyalm wrote:

Did you get my snapshot? Was it helpful? Is there a bug/ticket number for this issue that I can use to track its progress?

I was wondering the same thing.

Andy, **please** remove the hundreds of lines of quoted text that are in **every** message you post. You're making it **very** hard to follow the thread.



[Andrew Alm](#) 117 posts since

Jul 22, 2005 12. **Re: Find Usages is slow in v5 beta** Jan 26, 2010 4:46 AM

Hello Kod,

I'm sorry my messages were causing you pain. I am using JetBrains Omea Newsreader and was just using the default settings that include the thread contents at the bottom of the message. It actually looks quite nice in Omea, but I guess that doesn't transfer well to other tools. I'll try to remember to remove all but the most recent conversation from the thread if that helps

Find Usages is slow in v5 beta

you out.

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andyalm wrote:

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Original message URL:

<http://www.jetbrains.com/devnet/message/5255220#5255220>



Serge Baltic 881 posts since

Find Usages is slow in v5 beta

Oct 4, 2004 13. Re: Find Usages is slow in v5 beta Jan 26, 2010 2:10 PM

Hello,

I'm sorry my messages were causing you pain. I am using JetBrains Omea Newsreader and was just using the default settings that include the thread contents at the bottom of the message.

In email, previous messages would usually be included at the bottom, for the context. In News (NNTP), this is not necessary, because the whole thread of messages is always available for review. Usually just a line or two of text is quoted to give a hint on what you're replying to. Of course the tool does not know which quoted lines you're going to use in your reply, that's why Omea would initially present you with the complete quote. Overquoting isn't considered a good practice.

It actually looks quite nice in Omea, but I guess that doesn't transfer well to other tools.

On the Web mirror this is formatted nicely too, but makes it harder to read the thread in a row if the original content is duplicated every time.

I'll try to remember to remove all but the most recent

Find Usages is slow in v5 beta

conversation from the thread if that helps you out.

Bottom-quoting the whole message is of no much use as well. If you're replying to the message in the whole, just the reply text would be OK. Maybe a couple lines from the previous message as a highlight.

—

Serge Baltic

JetBrains, Inc — <http://www.jetbrains.com>

“Develop with pleasure!”



[Ilya Ryzhenkov](#) 2,694 posts since

Apr 13, 2004 14. Re: **Find Usages is slow in v5 beta** Jan 26, 2010 12:22 AM

Hello Andy,

Oh, sorry, I didn't respond here. I've got snapshot, but it is huge for dotTrace

3.1 to open it directly. I've asked our dotTrace developers to help me open

it. Didn't see the traces yet 😞

Sincerely,

Find Usages is slow in v5 beta

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AA>>>>>

AA>>>>> Please let me know if I can upload the file for you, or if

AA>>>>> there is something further I can do to help.

AA>>>>>

AA>>>>> ~Andy

AA>>>>>

>>>>> Hello Andrew

>>>>> We're currently investigating the problems with Find Usages

>>>>> performance. Could you please follow the instructions at

>>>>> <http://www.jetbrains.net/confluence/display/ReSharper/ReSharper+>

Find Usages is slow in v5 beta

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>>>>>> mance*Profiling*Instructions to gather some performance

>>>>>> snapshots

>>>>>> of

>>>>>> this problem and send them to andrew dot serebryansky at

>>>>>> jetbrains

>>>>>> dot

>>>>>> com? This would really help us to track the problem down. Thank

>>>>>> you!

>>>>>> Andrey Serebryansky

>>>>>> Support Engineer

>>>>>> JetBrains, Inc

>>>>>> <http://www.jetbrains.com>

>>>>>> "Develop with pleasure!"

>>>>>> ---

>>>>>> Original message URL:

>>>>>> <http://www.jetbrains.net/devnet/message/5254483#5254483>

Find Usages is slow in v5 beta



[Andrew Alm](#) 117 posts since

Jul 22, 2005 15. Re: **Find Usages is slow in v5 beta** Jan 26, 2010 4:44 AM

Hello Ilya,

Would it still be useful if I did the profiling using the sampling profiling instead of the tracing profiling? That should make it significantly smaller I would think, at the expense of less detailed information that is. Let me know if that would be useful and I can run it again.

~Andy

Hello Andy,

Oh, sorry, I didn't respond here. I've got snapshot, but it is huge for dotTrace 3.1 to open it directly. I've asked our dotTrace developers to help me open it. Didn't see the traces yet 😞

Sincerely,

Ilya Ryzhenkov

Find Usages is slow in v5 beta

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[Kod Exe](#) 12 posts since

Jan 8, 2010 16. **Re: Find Usages is slow in v5 beta** Jan 27, 2010 1:37 PM

andyalm wrote:

Would it still be useful if I did the profiling using the sampling profiling instead of the tracing profiling?

Any progress on the actual problem? Would it help to install a new nightly build? Find usages on a method is still traversing every file in the solution (.cs, .aspx, .Master, ...) even with solution-wide analysis enabled.



[Andrew Alm](#) 117 posts since

Jul 22, 2005 17. **Re: Find Usages is slow in v5 beta** Feb 9, 2010 9:22 PM

I just installed the latest build (1612) and its still a problem. As Kod said, you don't need a profiler to see what is happening. When I do a find usages it goes and scans every .cs, .ascx, .aspx, .xml, etc in the entire solution which can take a very long time. In all previous versions of ReSharper this search would take less than a second as it would clearly just use its

Find Usages is slow in v5 beta

symbol cache to find stuff. It clearly is not doing that in version 5.

This seems like a showstopper of an issue. Has a bug been filed for this issue?

andyalm wrote:

>

> Would it still be useful if I did the profiling using the sampling
> profiling instead of the tracing profiling?

Any progress on the actual problem? Would it help to install a new nightly build? Find usages on a method is still traversing every file in the solution (.cs, .aspx, .Master, ...) even with solution-wide analysis enabled.

Original message URL:

<http://www.jetbrains.net/devnet/message/5255367#5255367>



Ilya Ryzhenkov 2,694 posts since

Apr 13, 2004 18. Re: Find Usages is slow in v5 beta Jan 20, 2010 12:14 PM

Find Usages is slow in v5 beta

Hello Andy,

Also, does it help to compress the file?

Sincerely,

Ilya Ryzhenkov

JetBrains, Inc

<http://www.jetbrains.com>

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AA> Hello Ilya,

AA>

AA> I tried to upload it to that server, and after going for a few hours

AA> I came back and it said it had failed. Here is the FTP log:

AA>

AA> Command: PASV

AA> Response: 227 Entering Passive Mode (213,182,181,98,205,98).

AA> Command: STOR Resharper5_FindUsagesSlow.dtc

AA> Response: 550 Resharper5_FindUsagesSlow.dtc: Overwrite permission

AA> denied

Find Usages is slow in v5 beta

AA> Do I need a special account to upload to this location? I wis using

AA> FileZilla to do the upload. Any help is appreciated.

AA>

AA> ~Andy

AA>

>> Hello Andy,

>>

>> Could you please upload it to ftp.intellij.net/.uploads ? Thanks a

>> lot!

>>

>> Sincerely,

>> Ilya Ryzhenkov

>> JetBrains, Inc

>> <http://www.jetbrains.com>

>> "Develop with pleasure!"

AA>>> Hello Andrey,

AA>>>

AA>>> I followed the instructions and I have a dtc snapshot file.

AA>>> However, it is 3.25 GB in size, which is too large for me to email

AA>>> to you. Is there some other location I can upload it to? It also

AA>>> seems like it is too large for me to open in dotTrace (it says I

AA>>> do not have enough memory...I have 4GB)

Find Usages is slow in v5 beta

AA>>>

AA>>> I made sure to not start the profile until after the solution has

AA>>> completely loaded. I simply started the profile, did a find

AA>>> usages on a class in the solution. It took about 5 minutes or so,

AA>>> then as soon as it was done, I got the snapshot. During the find

AA>>> usages, it seemed to be looking in a number of .cs, .ascx, .aspx,

AA>>> .master, .resx, and .xml files in the solution based on the status

AA>>> message above the progress bar. Its like it doesn't have an index

AA>>> of class references like it did in previous versions of ReSharper.

AA>>>

AA>>> Please let me know if I can upload tha file for you, or if there

AA>>> is something further I can do to help.

AA>>>

AA>>> ~Andy

AA>>>

>>>> Hello Andrew

>>>> We're currently investigating the problems with Find Usages

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>>>> <http://www.jetbrains.net/confluence/display/ReSharper/ReSharper+Per>

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Find Usages is slow in v5 beta

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>>>> com? This would really help us to track the problem down. Thank

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>>>> Andrey Serebryansky

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>>>> JetBrains, Inc

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>>>> "Develop with pleasure!"

>>>> ---

>>>> Original message URL:

>>>> <http://www.jetbrains.net/devnet/message/5254483#5254483>



Kod Exe 12 posts since

Jan 8, 2010 19. **Re: Find Usages is slow in v5 beta** Jan 20, 2010 5:43 PM

andyalm wrote:

I recently installed the beta version of ReSharper (version 5), and I noticed

Find Usages is slow in v5 beta

that the find usages command is much slower in this version than it has been in version 4.

We have exactly the same problem. The difference doesn't seem to be that it's slower per se, but rather that in v4.5 it used cached symbol data, whereas in v5 it does a live search in the files in the solution. In the progress bar you can clearly see .cs files flashing by, not just resource files and HTML files.

"Find usages" is almost unusably slow in our ASP.NET MVC 1 project, which has ~10 resource files and ~100 views. But the views and resource files don't seem to be the problem.



[Andrey Serebryansky](#) 2,747 posts since

Jan 12, 2005 20. Re: Find Usages is slow in v5 beta Jan 21, 2010 1:39 PM

Hello Kod

Could you please follow the instructions at <http://www.jetbrains.com/confluence/display/ReSharper/ReSharper+Performance+Profiling+Instructions> to gather some performance snapshots of this problem and send them to andrew dot serebryansky at jetbrains dot com or upload it to <ftp://ftp.jetbrains.com/uploads/>? Thank you!

Andrey Serebryansky

Support Engineer

JetBrains, Inc

<http://www.jetbrains.com>

"Develop with pleasure!"

Find Usages is slow in v5 beta



[Kod Exe](#) 12 posts since

Jan 8, 2010 21. **Re: Find Usages is slow in v5 beta** Jan 22, 2010 10:38 AM

marcus23 wrote:

Could you please (...) gather some performance snapshots of this problem

I'll try!

But I don't see how performance is the problem. In v4.5, it doesn't *fastly* go through all files in the solution to Find Usages - it doesn't go through all files in the solution *at all*.

EDIT: The file is on your FTP now. 28 minutes in v5EAP, ~3 seconds in v4.5. Same solution; MVC1 with ~10 resx and ~100 as?x.



[Kod Exe](#) 12 posts since

Jan 8, 2010 22. **Re: Find Usages is slow in v5 beta** Feb 23, 2010 11:58 AM

andyalm wrote:

I recently installed the beta version of ReSharper (version 5), and I noticed that the find usages command is much slower in this version than it has been in version 4.

Find Usages is slow in v5 beta

This is **still broken in Beta 2**. Using Visual 2008 with an ASP.NET MVC solution, Find Usages still takes 10-20 minutes to run, since it still searches every file in the solution (including files that would not typically contain usages) for usages. (And no, I won't send any more profiling reports.)