

[EAP 4.0.1 build 8137] Getting project...



[Michael Hedgpeth](#) 45 posts since

Dec 17, 2008

I am trying to implement TeamCity for a project which has a codebase of 37,442 files in 2,287 folders taking up 6.89 GB of disk space. We are running TFS. I have set up a single VCS root which goes to the root of the TFS project (i.e., \$/Root). I have three folders set up as checkout rules:

`+:Baseline/Sources=>Sources`

`+:ThirdParty=>ThirdParty`

`+:AnotherLibrary=>ThirdParty/AnotherLibrary`

I tried to run this over the weekend with the 4.0 RTM and gave up after waiting over 40 hours. I checked your EAP and saw <http://jetbrains.net/tracker/issue/TW-6399> and thought that might fix my problem, so I upgraded. It's still getting project sources after 9 hours.

I put the server in debug mode for the logs but haven't seen anything out of the ordinary. I can send those to you if you need them.



[Michael Hedgpeth](#) 45 posts since

Dec 17, 2008 1. Re: **[EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours** Dec 17, 2008 3:05 PM

Correction: it's been over 14 hours.



[Michael Hedgpeth](#) 45 posts since

Dec 17, 2008 2. Re: **[EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours** Dec 18, 2008 3:08 PM

It's been over 38 hours now, so I created an issue in the Tracker (TW-6741)

[EAP 4.0.1 build 8137] Getting project...



[Kirill Maximov](#) 2,196 posts since

Aug 23, 2002 3. Re: **[EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours** Dec 18, 2008 7:57 PM

Hello Michael,

Unfortunately, the responsible developer won't be available until monday. I'll forward the issue to him.

Sorry for inconvenience,

KIR



[Michael Hedgpeth](#) 45 posts since

Dec 17, 2008 4. Re: **[EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours** Dec 23, 2008 8:03 AM

Any update on this? I need to get this issue resolved before the end of next week.



[Eugene Petrenko](#) 2,283 posts since

Oct 4, 2004 5. Re: **[EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours** Dec 23, 2008 12:53 PM

Thank you for feedback. Could you please attach logs from TC-tfs-native.exe process call. You may notice that process running under TeamCity server process.

To get the logs please do the following:

Copy to some folder tc-tfs-native.exe. This file can be found under TeamCity temp folder. The name would be TC-TFS-NATIVE-<some numbers>.exe .

Run this program with /log switch. To get command-line parameters help, run the process with no parameters.

Log files would be created under TEMP directory in TeamCity.NET folder. For each process new log file is created.

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please start the process with the following commandline:

```
tfs-native.exe /log <http://server:port> /u:user /p:ppassowrd result.xml BuildPatch $/<TFS path> 0 c <some existing temp folder>
```

Please capture output from that process.

I believe that would be enough to run it for 10-15min

Please attach captured output and result.xml file

Thanks!



[Michael Hedgpeth](#) 45 posts since

Dec 17, 2008 6. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Dec 23, 2008 4:43 PM

I followed your directions but didn't find a log file where I had specified the temp folder. I then wrote the output of the console to the log file. The error is included in that log file; the full stack trace is there. I made some minor changes to the log file to omit the url, user id, and directory structure.

Thanks for your help.

Attachments:

- [tc-tfs-logFromCommandLine.log](#) (29.0 K)



[Eugene Petrenko](#) 2,283 posts since

Oct 4, 2004 7. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Dec 23, 2008 4:59 PM

Could you please check that you've used right url and tfs server path. Is that possible to work with TFS using some other clients from the same machine?

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Thanks!



[Michael Hedgpeth](#) 45 posts since

Dec 17, 2008 8. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Dec 23, 2008 5:11 PM

I double-checked the URL with a project that is currently working in TeamCity and they match.

Then I tried to go to the http site of the tfs server path manually. When I try do so through Internet Explorer, it gives me a message "Error: Access Denied".

Does TeamCity need access through this web interface? If so, why are the other 20 or so configurations working against that same server?



[Eugene Petrenko](#) 2,283 posts since

Oct 4, 2004 9. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Dec 23, 2008 5:36 PM

For me that is strange too. Could that be port, https. Do you use same settings for TeamCity? Could you please try to specify username in the way: domain\user.

Thanks!



[Michael Hedgpeth](#) 45 posts since

Dec 17, 2008 10. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Dec 23, 2008 5:55 PM

OK, the problem was that I wasn't including the port. The latest problem is with the results file:

```
C:\TEMP>TC-TFS-NATIVE-1230042624921.exe /log http://tfs.COMPANYNAME.com:8080
/u:DOMAIN\USERID /p:PASSWORD C:\Temp\Results\result.xml BuildPatch $/ROOT
0 c C:\Temp
```

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DEBUG fs.Program - Tfs-native started with

TFS Native Verifier v4.0 Copyright (C) 2006-2008 JetBrains s.r.o.

INFO fs.Program - Use Tfs from JetBrains.TeamCity.Tfs.Tfs8Accessor

TFS Native Accessor v4.0 Copyright (C) 2006-2008 JetBrains s.r.o.

INFO fs.Program - Connecting to server <http://tfs.radiantsystems.com:8080>

Build Patch:

Server='http://tfs.COMPANYNAME.com:8080'

Username='USERNAME'

Root='\$/ROOT'

FromVersion='0'

CurrentVersion='c'

DEBUG temCommand - Start for item: \$/ROOT

DEBUG tedCommand - Versions: 0 to 207095 item \$/ROOT

ERROR fs.Program - System.Exception: The process cannot access the file 'result.xml' because it is being used by another process. ---> System.IO.IOException: The process cannot access the file 'result.xml' because it is being used by another process.

at System.IO.Directory.DeleteHelper(String fullPath, String userPath, Boolean recursive)

at System.IO.Directory.Delete(String fullPath, String userPath, Boolean recursive)

at JetBrains.TeamCity.Tfs.FileUtil.SafeDelete(String root) in C:\Agent\work\731b4fa04592c48d\tfs\native\TfsNativeAccessor\src\FileUtil.cs:line 26

at JetBrains.TeamCity.Tfs.Command_BuildPatch.DoWithTfs(VersionControlServer vcs, Int32 fromChangesetId, Int32 currentChangesetId) in C:\Agent\work\731b4fa04592c48d\tfs\native\TfsNativeAccessor\src\Command_BuildPatch.cs:line 37

at JetBrains.TeamCity.Tfs.ComplicatedCommand.DoWithTfs(VersionControlServer vcs) in C:\Agent\work\731b4fa04592c48d\tfs\native\TfsNativeAccessor\src\ComplicatedCommand.cs:line 30

at JetBrains.TeamCity.Tfs.Command_BuildPatch.DoWithTfs(VersionControlServer vcs) in C:\Agent\work\731b4fa04592c48d\tfs\native\TfsNativeAccessor\src\Command_BuildPatch.cs:line 28

[EAP 4.0.1 build 8137] Getting project...

at JetBrains.TeamCity.Tfs.Command.Do() in C:\Agent\work\731b4fa04592c48d\tfs\native\TfsNativeAccessor\src\Command.cs:line 29

at JetBrains.TeamCity.Tfs.Program.Main(String[] args) in C:\Agent\work\731b4fa04592c48d\tfs\native\TfsNativeAccessor\src\Program.cs:line 114

--- End of inner exception stack trace ---

at JetBrains.TeamCity.Tfs.Program.Main(String[] args) in C:\Agent\work\731b4fa04592c48d\tfs\native\TfsNativeAccessor\src\Program.cs:line 143

System.Exception: The process cannot access the file 'result.xml' because it is being used by another process. ---> System.IO.IOException: The process cannot access the file 'result.xml' because it is being used by another process.

at System.IO.Directory.DeleteHelper(String fullPath, String userPath, Boolean recursive)

at System.IO.Directory.Delete(String fullPath, String userPath, Boolean recursive)

at JetBrains.TeamCity.Tfs.FileUtil.SafeDelete(String root) in C:\Agent\work\731b4fa04592c48d\tfs\native\TfsNativeAccessor\src\FileUtil.cs:line 26

at JetBrains.TeamCity.Tfs.Command_BuildPatch.DoWithTfs(VersionControlServer vcs, Int32 fromChangesetId, Int32 currentChangesetId) in C:\Agent\work\731b4fa04592c48d\tfs\native\TfsNativeAccessor\src\Command_BuildPatch.cs:line 37

at JetBrains.TeamCity.Tfs.ComplicatedCommand.DoWithTfs(VersionControlServer vcs) in C:\Agent\work\731b4fa04592c48d\tfs\native\TfsNativeAccessor\src\ComplicatedCommand.cs:line 30

at JetBrains.TeamCity.Tfs.Command_BuildPatch.DoWithTfs(VersionControlServer vcs) in C:\Agent\work\731b4fa04592c48d\tfs\native\TfsNativeAccessor\src\Command_BuildPatch.cs:line 28

at JetBrains.TeamCity.Tfs.Command.Do() in C:\Agent\work\731b4fa04592c48d\tfs\native\TfsNativeAccessor\src\Command.cs:line 29

at JetBrains.TeamCity.Tfs.Program.Main(String[] args) in C:\Agent\work\731b4fa04592c48d\tfs\native\TfsNativeAccessor\src\Program.cs:line 114

--- End of inner exception stack trace ---

at JetBrains.TeamCity.Tfs.Program.Main(String[] args) in C:\Agent\work\731b4fa04592c48d\tfs\native\TfsNativeAccessor\src\Program.cs:line 143

[EAP 4.0.1 build 8137] Getting project...



[Michael Hedgpeth](#) 45 posts since

Dec 17, 2008 11. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Dec 23, 2008 6:01 PM

FYI, I tried the straight result.xml and got the same error. So I created a C:\Temp\Results directory so I could make sure this wasn't due to other stuff hapening on the server.

Also, there were two TC-TFS executables in that directory. I ran the both and got the same error.



[Eugene Petrenko](#) 2,283 posts since

Oct 4, 2004 12. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Dec 23, 2008 7:34 PM

Could you please create some other temp folder for the latest parameters.

For my example please create

C:\Temp\Results\ and

C:\Temp\Results\rrr folders.

```
TC-TFS-NATIVE-1230042624921.exe /log http://fs.COMPANYNAME.com:8080 /u:DOMAIN  
\USERID /p:PASSWORD C:\Temp\Results\result.xml BuildPatch $/ROOT 0 c C:\Temp  
\Results\rrr
```

Thanks!



[Michael Hedgpeth](#) 45 posts since

Dec 17, 2008 13. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Dec 23, 2008 8:54 PM

That worked. I ran the process for 45 minutes because it did not appear to be hanging or have problems. I have attached the results.xml file.

[EAP 4.0.1 build 8137] Getting project...

Attachments:

- [result.xml](#) (1.4 MB)



[Michael Hedgpeth](#) 45 posts since

Dec 17, 2008 14. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Dec 24, 2008 5:13 PM

Another update: I went ahead and tried running the whole thing and it ran in less than 24 hours. I have attached that results file zipped up.

I will be on holiday until Monday, but really need to get this issue solved by next Wednesday if I can (we just bought the enterprise license for this specific team and they're expecting it to work by the end of the year). I will be checking my mail during my holiday and can help move this forward if needed.

Attachments:

- [result.zip](#) (1.8 MB)



[Eugene Petrenko](#) 2,283 posts since

Oct 4, 2004 15. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Dec 24, 2008 5:21 PM

Thank you for logs. Could you please include console output of TC-VSS-NATIVE too. I plan to implement more optimized way for clean patch. I'll send you a patch with it.

How much time does it takes TC to collect changes?

Thanks!



[Michael Hedgpeth](#) 45 posts since

Dec 17, 2008 16. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Dec 24, 2008 7:18 PM

I am now rerunning the process and writing the console output to a file. I'll attach that shortly. The other file is attached.

[EAP 4.0.1 build 8137] Getting project...

The process started at 6:34 pm and the results.xml file last was written to at 4:12 am, so it appears to have taken 9 hours and 45 minutes.

When I tried running this on the TeamCity server, I gave up after 67 hours. So it appears that there is some difference between the process I ran manually and the one running on the server.

Attachments:

- [TC-TFS-NATIVE-1229763968468.exe1](#) (496.0 K)



[Eugene Petrenko](#) 2,283 posts since

Oct 4, 2004 17. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Dec 24, 2008 8:16 PM

How much different version control settings do you have on TeamCity.

That seem time depends on the number of different VCS roots/different checkout rules. For each root and Checkout rules TeamCity checks out source files using TC-TFS-NATIVE util.

Thanks!



[Michael Hedgpeth](#) 45 posts since

Dec 17, 2008 18. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Dec 24, 2008 8:53 PM

For this particular project, I have one VCS root going to the root TFS directory for this project:

`$/RootDirectory`

And three checkout rules:

`+:Baseline/src=>src`

[EAP 4.0.1 build 8137] Getting project...

+:ThirdParty=>ThirdParty

+:AnotherLibrary=>ThirdParty/AnotherLibrary

Does this answer your question?



[Michael Hedgpeth](#) 45 posts since

Dec 17, 2008 19. Re: **[EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours** Dec 24, 2008 8:59 PM

Another thing I thought about that might help: Would you like me to run the process under a dotTrace profiler?



[Eugene Petrenko](#) 2,283 posts since

Oct 4, 2004 20. Re: **[EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours** Dec 25, 2008 4:44 PM

Yes. I think it would be helpful for me to analyze dotTrace snapshot from that run. Thanks!

Please attach the results to the issue in our tracker at <http://www.jetbrains.net/tracker/issue/TW-6471>

Thanks!



[Michael Hedgpeth](#) 45 posts since

Dec 17, 2008 21. Re: **[EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours** Dec 25, 2008 4:51 PM

How long should I profile the application? 10 minutes? The whole time?



[Eugene Petrenko](#) 2,283 posts since

Oct 4, 2004 22. Re: **[EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours** Dec 25, 2008 5:49 PM

Let's start from 10 minutes. But, please wait several minutes before starting to profile.
Thanks!

[EAP 4.0.1 build 8137] Getting project...



[Michael Hedgpeth](#) 45 posts since

Dec 17, 2008 23. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Dec 29, 2008 4:25 PM

The profile session was added to the issue last week. Does this look like it can be addressed this week? I'm trying to plan the rollout of this build and need to set expectations.



[Eugene Petrenko](#) 2,283 posts since

Oct 4, 2004 24. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Dec 29, 2008 5:10 PM

I've analyzed your log and found out that most of the time TC-VSS-NATIVE is downloading files. No we plan to implement TFS checkout on agent.

I'll send you a patch with that support as soon as possible. Please note, I will be on New Year holidays from 31-th dec to 10-th jan.

The benefit of TFS on agent support is that it would work using TFS Workspace, thus it would work faster and more reliable.

Thanks!



[Michael Hedgpeth](#) 45 posts since

Dec 17, 2008 25. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Dec 29, 2008 5:16 PM

Thanks for the help with this. I am looking forward to your patch.

Is there a simple explanation why when running the build through the TeamCity service it was still getting project sources after 67 hours but it completed after 9 hours when I ran it on the command line? I'm fine with waiting nine hours, or even 90 if I need to, I just need it to complete.



[Michael Hedgpeth](#) 45 posts since

[EAP 4.0.1 build 8137] Getting project...

Dec 17, 2008 26. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Jan 14, 2009 2:46 PM

Any update on this issue? I'm stalling with the team that this is affecting.



[Eugene Petrenko](#) 2,283 posts since

Oct 4, 2004 27. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Jan 20, 2009 8:09 PM

Could you please try hotfix from the issue at <http://www.jetbrains.net/tracker/issue/TW-6471>

Thanks!



[Michael Hedgpeth](#) 45 posts since

Dec 17, 2008 28. Re: [EAP 4.0.1 build 8137] Getting project sources not completing after 9 hours Jan 22, 2009 6:04 AM

[Cross posted on TW-6471]

One thing I don't like about this solution is that it seems to be doing a full pull every time the build runs on that agent. I would expect it to do a full pull the first time but only pull differences from then on out. That basically adds 15 minutes to the build time which is not what I want. Is this the intended behavior?