

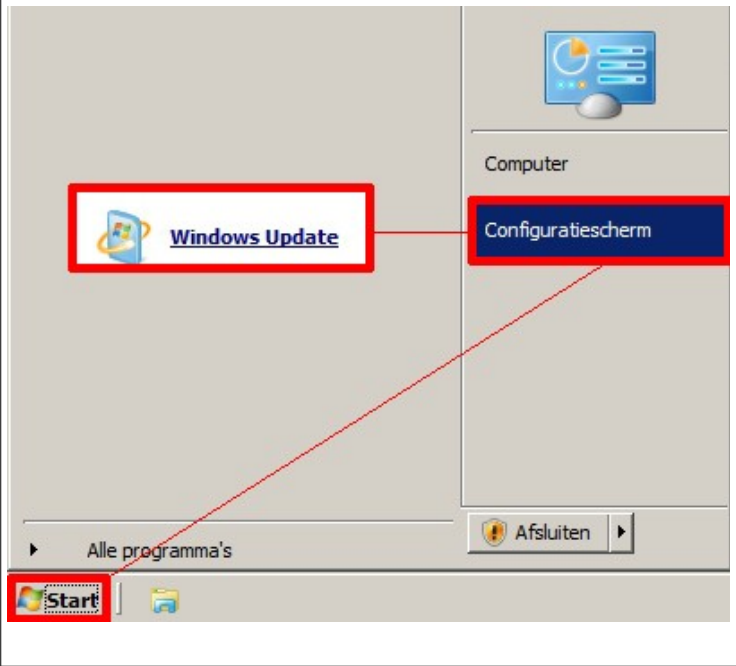
Chapter 2 – The Windows Update Service (WUS).

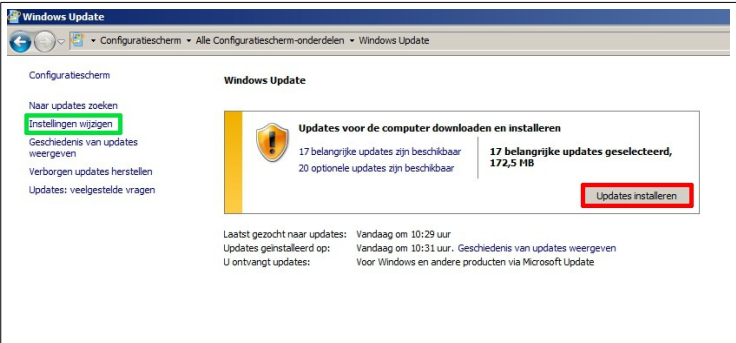
Now that we have checked if the Windows logbooks are clean of (lethal) errors, lets continue to take a look to another important factor, that can greatly increase the stability of the Windows operating system called: "the Windows Update Service"(WUS).

The "Windows Update Service" (WUS) is a build-in automatic update feature, that enables your computer to automatically detect, download and remotely install the latest (debugged, reprogrammed) software from Microsoft, through the use of an Internet connection.

2.1 – How do I check if my Windows Update Service is turned on?

By default installation the Windows Update Service is turned ON. Here is how you can check this out:

	<p>[Start],[Configuration],[Windows Update]</p> <p>This will show you the current Windows Update Service settings of your computer.</p> <p>In this menu you can check if it is turned on (or not).</p> <p>NOTE: -< When you see the little yellow shield, when you want to <i>shut down Windows</i>, that is a clear sign that the Windows Update Service function is working correctly.</p>
<p>1 - Windows Update at the Configuration Panel.</p>	

	<p>General setting of the Windows Update Service:</p> <p>Here you can see that the "Windows Update Service" is already working correctly and that it has found:</p> <ul style="list-style-type: none">- a number of <i>important</i> updates to install.- a number of <i>secondary</i> updates to install.
<p>2 - Windows Update Service – General panel.</p>	

If you want a "quick-and-dirty" fix, just press the Red button and all the available updates will be installed.

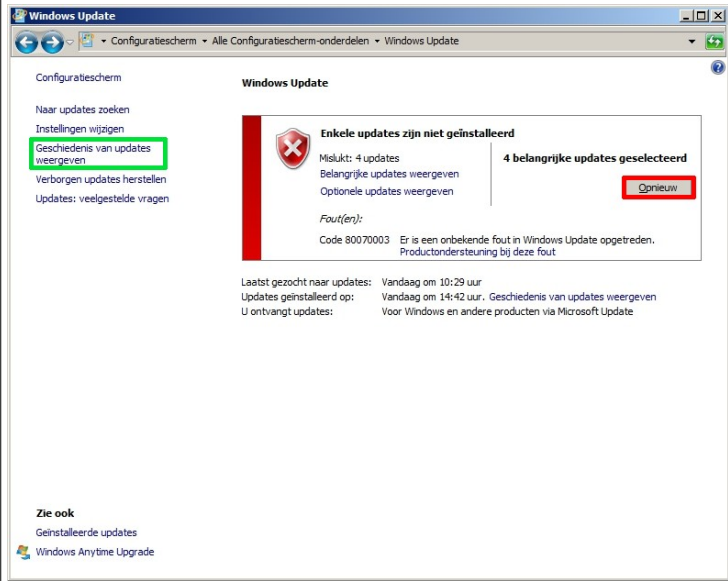
If you want full control of your Windows Update Service settings, click on the Green link to look and adjust them to your own specific needs.

2.2 – How do I control my Windows Update Service settings?

	<p>Detailed settings of the Windows Update Service.</p> <p>Here you can fine-tune everything around the update, download and installation process:</p> <ul style="list-style-type: none">- Click on the dropdown menu,- Select first option [Fully Automatic(recommended)]- Click on the [Ok] button to confirm. <p>From now on – after every reboot - your computer will automatically detect, download and install the available updates from Microsoft.</p> <p>TIP: Always logout from Windows and reboot your computer, to activate ANY modified settings!.</p>
3 - Windows Update Service – Settings panel.	

2.3 – How do I check if my Windows Updates where successfully installed?

There are 2 ways how you can find out if the most recent "Windows Update" was successful.



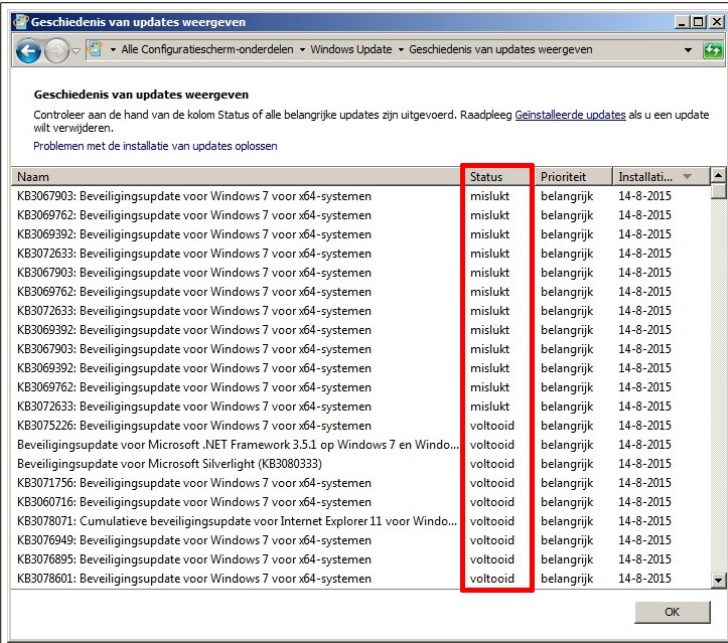
[Start],[Configuration],[Windows Update]
<- The general settings screen also shows whether the last update operation was successful or not.

This screen shows you that the last 4 updates were not successful, as shown by the Red Shield.

NOTE:
You can "repair" this by pressing the Red button:
- If this does work, your computer is ok for now.
- If this does not work, you need to find more technical assistance to repair these errors permanently.

4 - Windows Update Service - Quick status overview.

If you want a more detailed look on which updates failed, click on the (Green) update history link.



[Start],[Configuration],[Windows Update],[Update History]

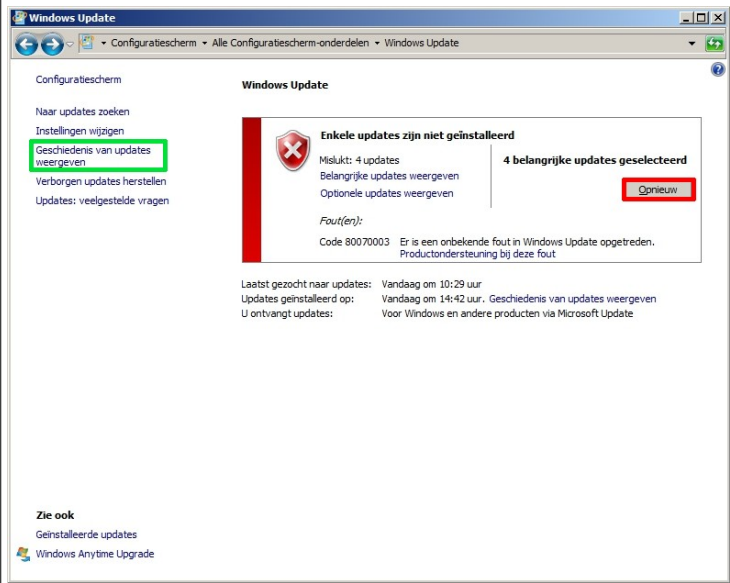
<- This shows the:
- List of all downloaded updates and
- [Status] of the installation. (successful/failed)

If the [Status] column mentions:
- Successful -> update went well, no action needed.
- Failed -> update has not gone well, you need to fix this.

5 - Windows Update Service – Status overview.

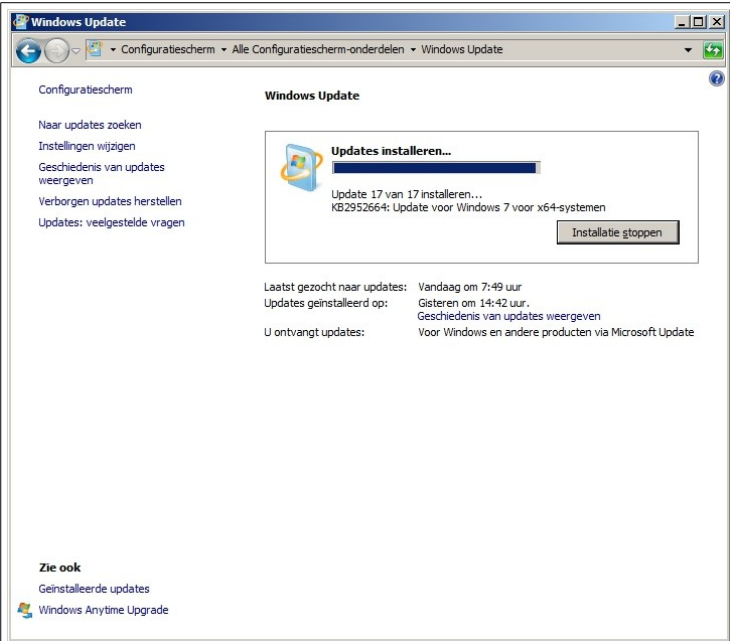
2.4 – How can I "quick-and-dirty" fix unsuccessful "Windows Updates"?

Sometimes all it takes is a re-download and re-installation of the same Windows updates".



By pressing the Red Button, the Windows Update Service it re-attempting to download and install the very same updates again.

6 - Windows Update Service – Retry.

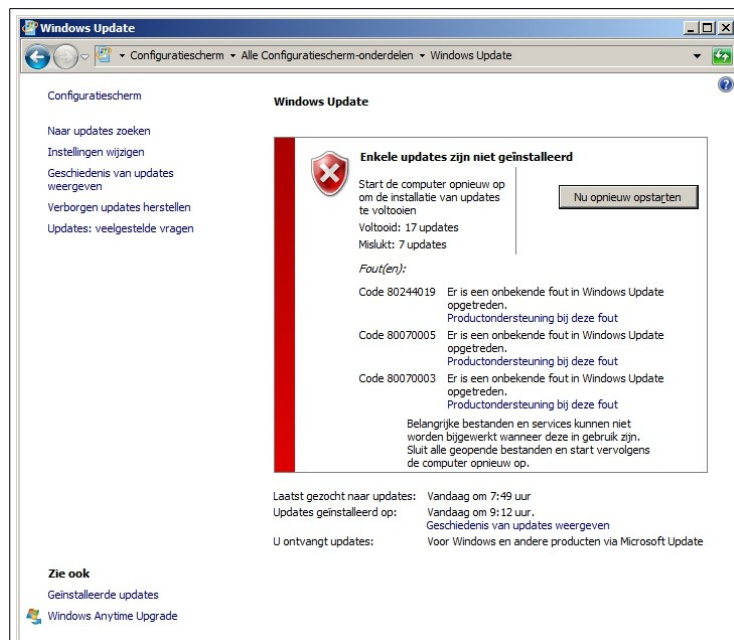


<- As you can see, the updates are now being downloaded and installed. If everything checks out fine, your computer now will be fully up-to-date and you are done.

BUT...

If you still have Windows Update Services errors, you need to do a little bit more in order to get it right.

7 - WUS – re-downloading updates.



After the "quick fix" operation, you will see this screen that tells you:

- which updates have been downloaded.
- which updates have been successfully installed.
- which updates have not been successfully installed.

This screen also tells you that you need to reboot your computer, to be able to complete the update process.

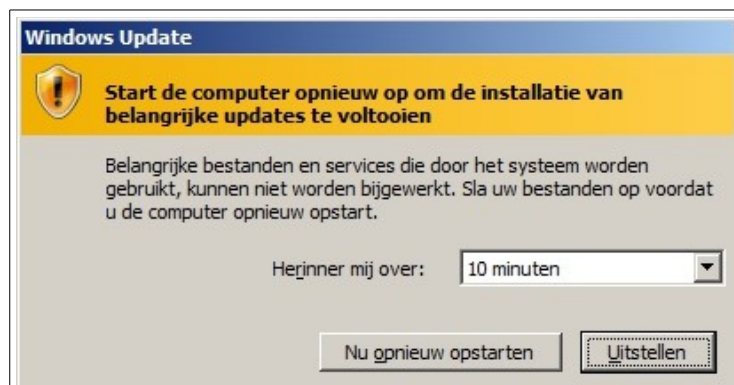
Why?

Some updates are part of the heart of Windows and can not be installed, when Windows itself is running.

Therefore you must log-out and reboot your computer, so these (special-types-of-) updates can be installed, BEFORE you can log – back - into Windows again.

8 - Windows Update Service – 2nd status report.

As you can see in the screen above, there still are 4 updates that have trouble installing. So now I reboot my computer to see if this will fix the current errors. If not, then I have to find another way of truly find the real underlying cause and pay attention to this and permanently repair that first!



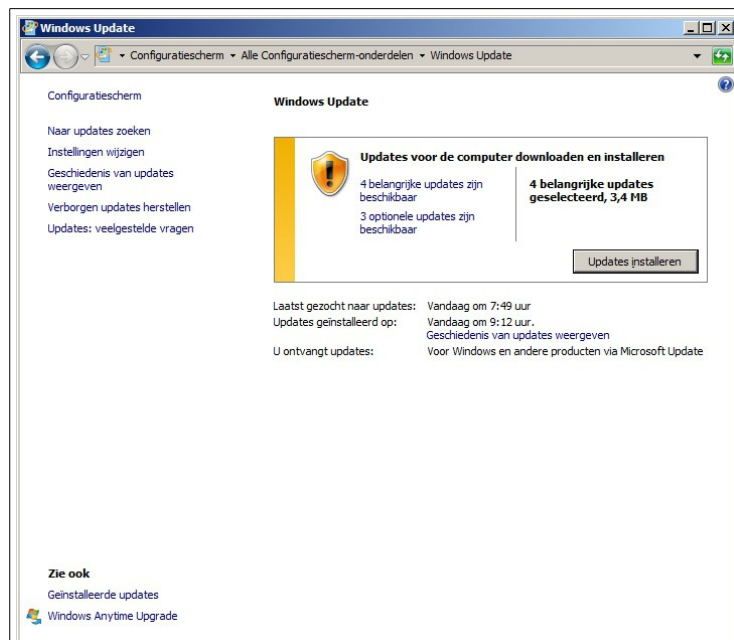
You see this screen, when important updates are installed, reminding you to reboot your computer

You can choose to:

- reboot now.
- be reminded at a certain time interval.

9 - Windows Update Service – Status after reboot.

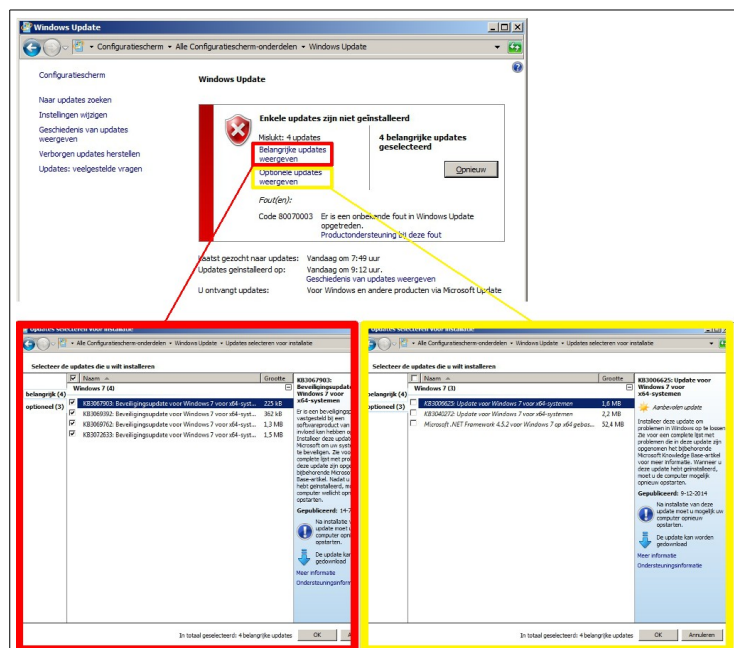
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After the reboot, the Windows Update Service screen still shows that there are:

- 4 important updates.
- 3 optional updates.

10 - Windows Update Service – status after reboot.



Click on the:

- Red link to see the remaining *important* updates.
- Yellow link to see the remaining *optional* updates.

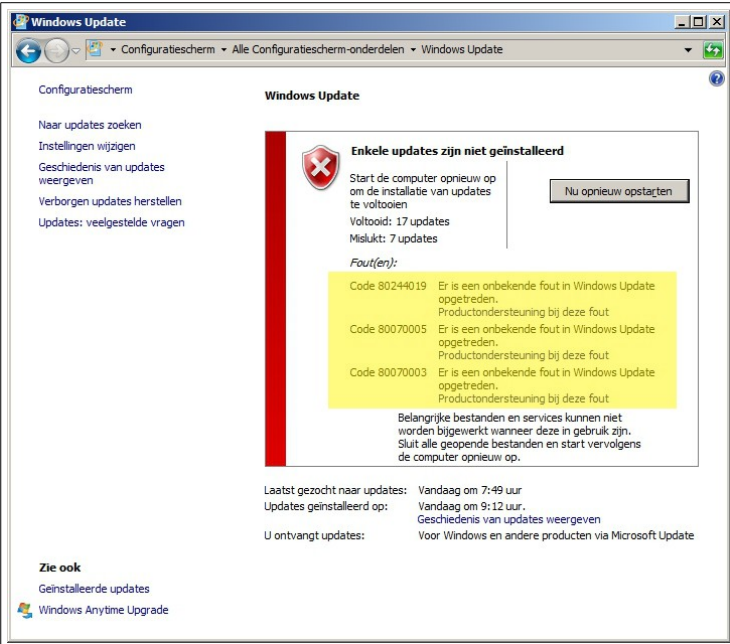
This 2 overviews give you an idea which important / optional updates you need to add to your computer.

11 - Windows Update Service – Updates after reboot.

2.5 - Where can I get technical help when the Windows Update Service keeps giving errors?

There are 2 important sources for more and detailed technical information:

- Microsoft website -> "The Source" - since they invented, created, programmed and sell "Windows" (tm).
- Rest of the Internet -> Since there are many other Windows experts who share their knowledge online.



In order to find the right help, you need the error-codes (inside the Yellow square) that the Windows Update Service provides you in the status screen.

These are the error codes you need to look for:

<- Code 80244019 (unknown error)

<- Code 80070005 (unknown error)

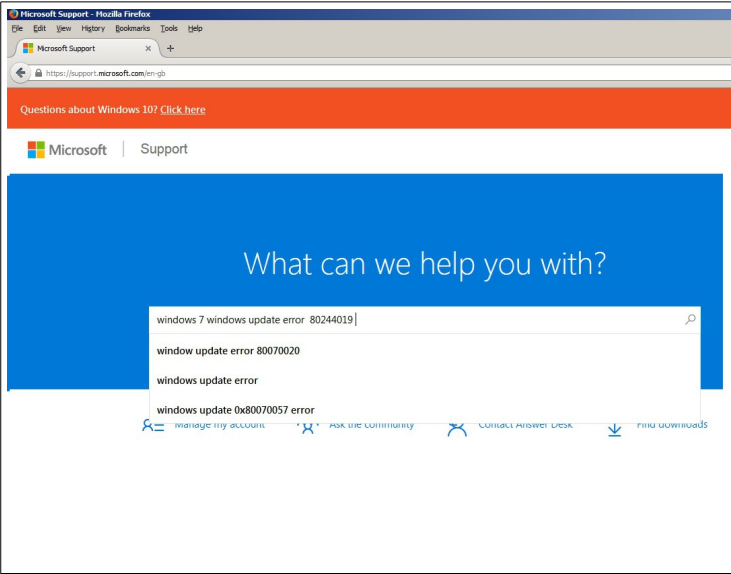
<- Code 80070003 (unknown error)

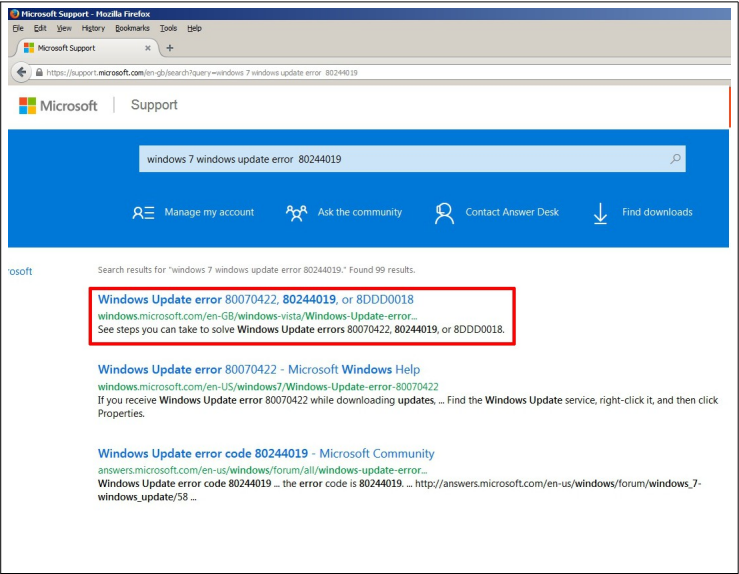
12 - Windows Update Service – List of error codes.

2.5.1 – Finding help on the Microsoft (technical support) website:

Start an Internet browser and surf to: <http://support.microsoft.com/>

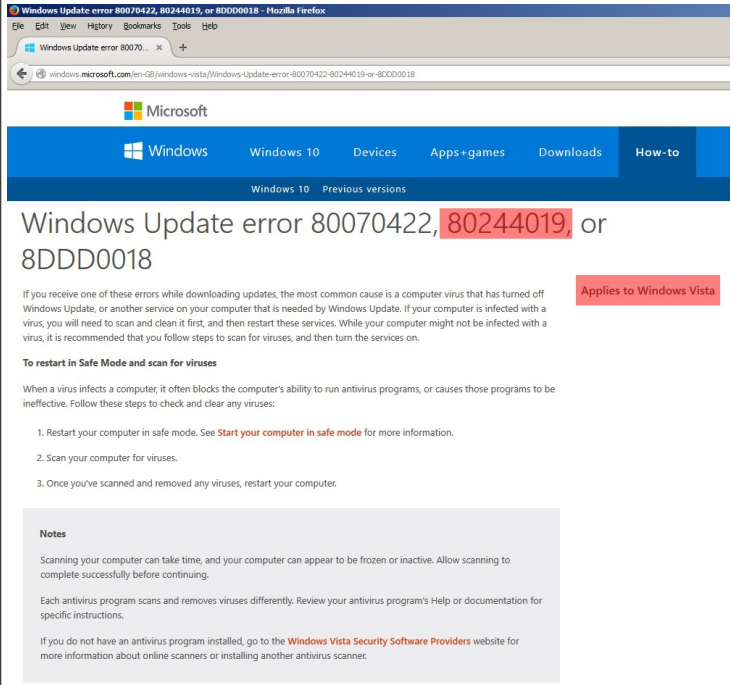
Search for the specific error code on this website:





13 - Microsoft technical support website + search results.

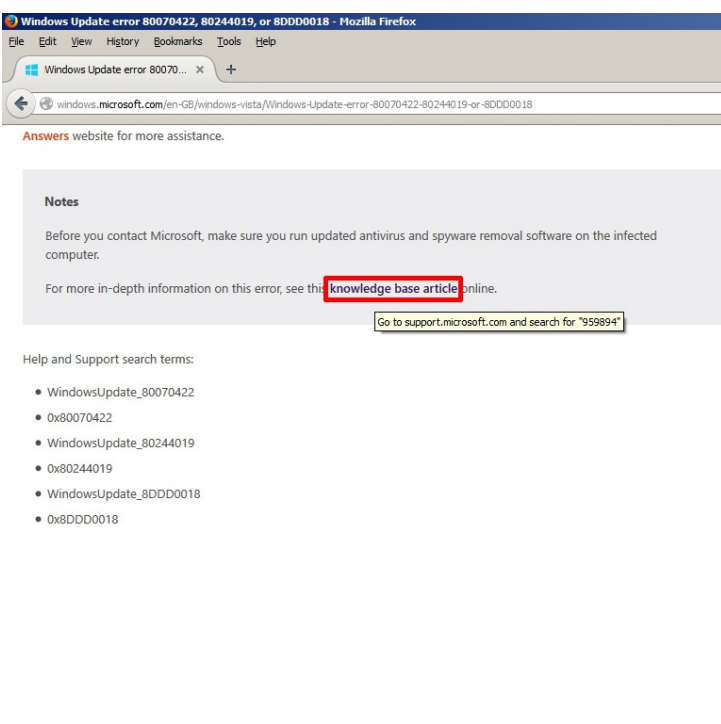
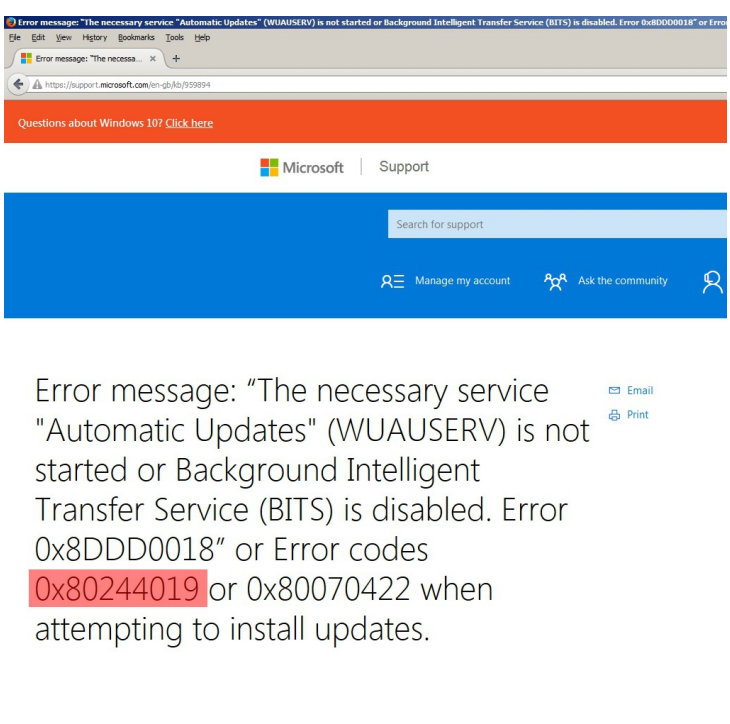
The Microsoft website provides (not for all! error!codes!) steps you can take to solve this specific problem:



14 - Microsoft support website + step-by-step result.

This error-code solution webpage gives your a step-by-step recipe what you need to do to get rid of this error.

WARNING!
Watch and read carefully for which Windows operating system this "step-by-step-recipe" applies!!!

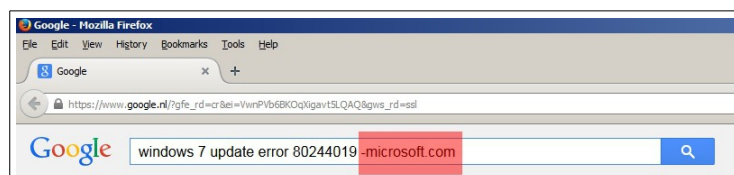
 <p>Windows Update error 80070422, 80244019, or 8DDD0018 - Mozilla Firefox</p> <p>File Edit View History Bookmarks Tools Help</p> <p>windows.microsoft.com/en-GB/windows-vista/Windows-Update-error-80070422-80244019-or-8DDD0018</p> <p>Answers website for more assistance.</p> <p>Notes</p> <p>Before you contact Microsoft, make sure you run updated antivirus and spyware removal software on the infected computer.</p> <p>For more in-depth information on this error, see this knowledge base article online.</p> <p>Go to support.microsoft.com and search for "959894"</p> <p>Help and Support search terms:</p> <ul style="list-style-type: none">WindowsUpdate_800704220x80070422WindowsUpdate_802440190x80244019WindowsUpdate_8DDD00180x8DDD0018	 <p>Error message: "The necessary service "Automatic Updates" (WUAUSERV) is not started or Background Intelligent Transfer Service (BITS) is disabled. Error 0x8DDD0018" or Error message: "The necessary service "Automatic Updates" (WUAUSERV) is not started or Background Intelligent Transfer Service (BITS) is disabled. Error 0x8DDD0018" or Error codes 0x80244019 or 0x80070422 when attempting to install updates.</p> <p>Questions about Windows 10? Click here</p> <p>Microsoft Support</p> <p>Search for support</p> <p>Manage my account Ask the community</p> <p>Email Print</p>
<p>15 - At the end of some step-by-step articles there also is a link to the Microsoft Knowledge Base articles, with more and in-depth insights about this particular error.</p>	<p>16 - The related Microsoft Knowledge Base article can tell you even more about the background of the error-code.</p>

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2.5.2 – Finding help on the rest of the Internet.

Start up an Internet browser and surf to: <http://www.google.com>

Enter the following search sentence into Google: "**windows 7 update error <error-code> –microsoft.com**"



Lets break down the sentence:

[windows 7] to get Windows 7 related results

[update error] to get Windows Update results

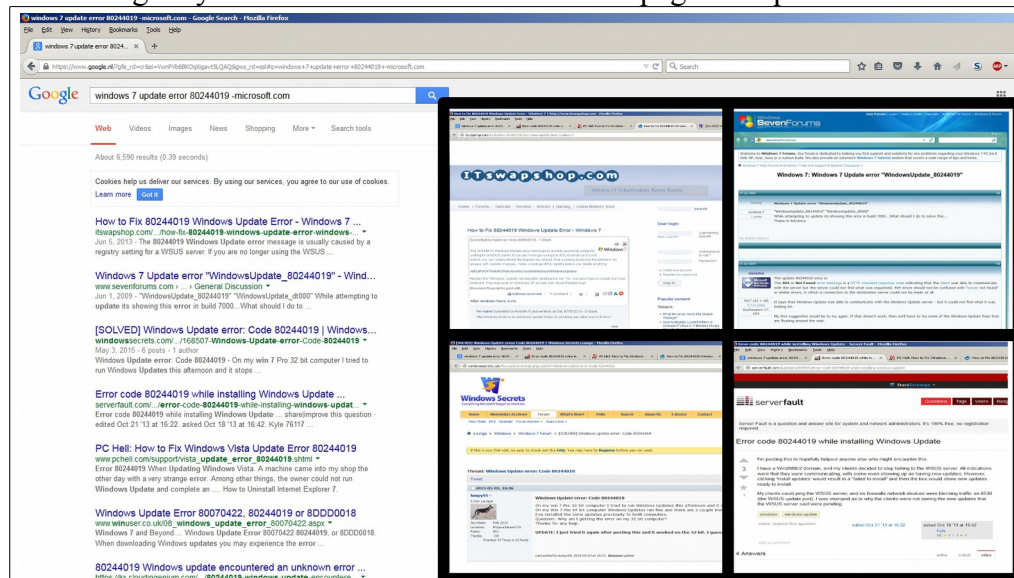
[<error_code>] the error code you are looking for

[-microsoft.com] to EXCLUDE all search-results coming from Microsoft's own website..

since you already know how to get there and find information on it.

17 - Google search to find out more about the Windows Update error codes.

This will give you a number of different website-page with possible! solutions! for the error-codes:



18 - Google search results.

NOTE:

1. Collect at least about 5-10 webpages from different websites.
2. Compare all their content and solutions with each other.
3. Find a "common solution bases" that most webpages offer.
4. BACK UP your important files on your computer first.
5. Go with the "most common solution" to solve your error.

WARNING:

Be aware that not everything that is online is:

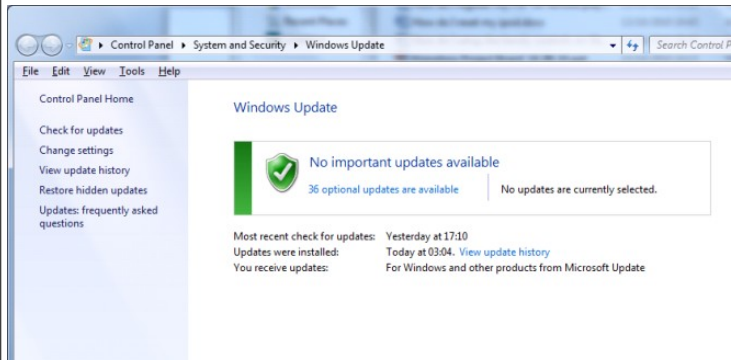
- written by real knowledgeable in-depth matter experts.
- are factually true and working for your computer (too).

That is why I advise you to find multiple pages and cross/reference them with Microsoft's own solution!

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- After you have successfully:
- solved these error-codes riddles with the help from Microsoft website or other websites.
 - applied all the correct "step-by-step-recipes" to implement a given solution.

This Windows Update Services screen below should be shown as a reward for your hard error-code-solving work!



- The (Green shielded) message telling that:
- all IMPORTANT updates have been installed.
 - some optional updates are still available for you.

19 - WUS – Everything is good to go on now.