

Windows 10 Technical Documentation
By: Forrest Moulin

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Include Seconds in Taskbar Clock (Long Time)

Have you ever felt like you had an entire minute to complete a task only to see the minute on the clock change just a few seconds later?

Windows 10 does not currently allow users to continuously display seconds on the taskbar clock via the Settings menu. However, a change can be made to the Windows Registry to display the time on the taskbar in long time format (00:00:00). Such a change allows users to be aware of the seconds on the clock and maximize each minute, empowering them to accomplish tasks, attend meetings, and view metrics more effectively!

Warning: making changes to the Windows Registry with the Registry Editor can have negative consequences for the Windows 10 operating system if these steps are not followed exactly. Please be careful when navigating through the Registry Editor, and do not edit anything you are unfamiliar with. Consult with your computer administrator before making modifications to the user profile.

Create a Restore Point (recommended)

Before making changes to the Windows Registry, backup the operating system settings by creating a system restore point.

1. Press the **Windows logo key**, type **Create a restore point**, and select it from the results.
2. On the **System Protection** tab in **System Properties**, select **Create....**
3. Type a description for the restore point, and then select **Create > OK**.

Create a system restore point:

<https://support.microsoft.com/en-us/windows/create-a-system-restore-point-77e02e2a-3298-c869-9974-ef5658ea3be9>

Restore from a Restore Point (as needed)

1. Press the **Windows logo key**, type **Create a restore point**, and select it from the results.
2. Select **System Restore**.

How to back up and restore the registry in Windows:

<https://support.microsoft.com/en-us/help/322756/how-to-back-up-and-restore-the-registry-in-windows>

Edit the Windows Registry

1. Registry Editor

- Press the **Windows logo key** and enter **regedit** to open the Registry Editor.

2. Navigate to the Advanced Folder

- Carefully navigate to the following folder (key) path by selecting each folder until you reach Advanced:
Computer\HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\Advanced

3. Add New DWORD Value

- Right-click on the **Advanced** folder > Select **New** > Select **DWORD (32-bit) Value**.

4. Name the DWORD Value

- Name the new DWORD Value **ShowSecondsInSystemClock**.
- If you accidentally name it something else, right-click the name, select **Rename**, and enter the correct name.

5. Edit DWORD Value Data - Turn seconds on

- Double click the **ShowSecondsInSystemClock** DWORD Value, type 1 in the **Value data** field, and select **Ok**.
- Restart your computer, and your changes are complete. Now you can watch all 28,800 seconds tick away during an 8-hour shift!

6. Delete DWORD Value Data - Turn seconds off (Optional)

- Double click the **ShowSecondsInSystemClock** DWORD Value, type 0 in the **Value data** field, and select **Ok**.
- If you would like to remove this setting altogether, right-click the **ShowSecondsInSystemClock** DWORD Value, and select **Delete**.
- Restart your computer, and your changes are complete!

2.2.9 DWORD:

https://docs.microsoft.com/en-us/openspecs/windows_protocols/ms-dtyp/262627d8-3418-4627-9218-4ffe110850b2

How to open Registry Editor in Windows 10:

<https://support.microsoft.com/en-us/windows/how-to-open-registry-editor-in-windows-10-deab38e6-91d6-e0aa-4b7c-8878d9e07b11>

Registry Value Types:

<https://docs.microsoft.com/en-us/windows/win32/sysinfo/registry-value-types>

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Windows registry information for advanced users:

<https://docs.microsoft.com/en-us/troubleshoot/windows-server/performance/windows-registry-advanced-users>

Terms

- **DWORD Value:** 32-bit unsigned integer ranging from 0 to 4294967295 decimal. In this case, the value is set to 0 for off and 1 for on.
- **Registry Editor:** desktop application used to view and modify the Windows Registry.
- **Windows Registry:** a local database that contains information that Windows continually uses during operation, including user profiles.

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Windows 10 Clipboard History (Copy 25 Items)

How many times have you needed to copy and paste multiple items between more than one application window? Maybe you accidentally copied a second item and thought that you lost an important item that you had previously copied? Moving back and forth to copy and paste items can be meticulous, but Windows 10 includes a useful feature, which allows users to copy up to 25 items at once!

By utilizing the Windows 10 clipboard history feature when copying data (4 MB/item: text, HTML, or Bitmap), users change windows just once every 25 items instead of changing windows multiple times from the initial data source.

Windows 10 Clipboard Shortcuts

Once enabled, clipboard history saves up to 25 items to the clipboard.

1. *Enable/Disable clipboard history*

- Press the **Windows logo key + V**, or navigate to **Settings > System > Clipboard**.
- Turn clipboard history **On/Off**.

2. *Copy up to 25 items*

- The Clipboard will display the most recent items first. Older items will be removed unless pinned.
- If you would like to view the items in a specific order on the clipboard, copy them in reverse.

3. *Paste up to 25 items*

- Press the **Windows logo key + V** simultaneously
- Use the mouse, up/down arrow keys, or the scroll bar to select the item to copy.
- Press **Ctrl + V** to paste items as needed.

4. *Pin/Unpin items to/from clipboard*

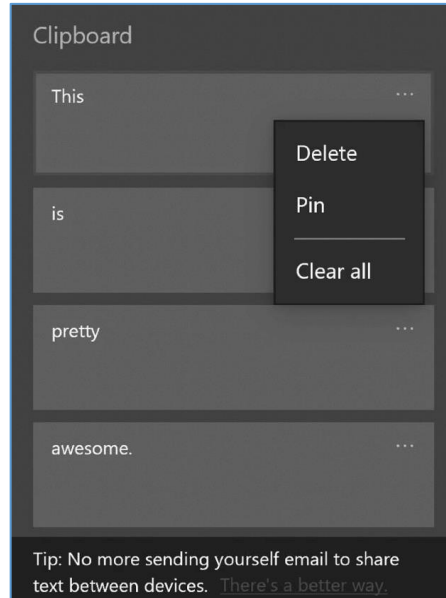
- With the clipboard menu open, select ... to the right of the item.
- Select **Pin/Unpin**.

5. *Delete items from clipboard*

- With the clipboard menu open, select ... to the right of the item.
- Select **Delete**.
- (Optional): Select **Clear all** to remove all items from the clipboard.

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Clipboard on Windows 10:

<https://support.microsoft.com/en-us/windows/clipboard-in-windows-10-c436501e-985d-1c8d-97ea-fe46ddf338c6>

Get Help with Clipboard:

https://support.microsoft.com/en-us/windows/get-help-with-clipboard-30375039-ce71-9fe4-5b30-21b7aab6b13f#ID0EBBD=Windows_10

Keyboard shortcuts in Windows:

<https://support.microsoft.com/en-us/windows/keyboard-shortcuts-in-windows-dcc61a57-8ff0-cffe-9796-cb9706c75eec>