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USER MANUAL · v. 261031-1754

WT-JUNKCLEANER

Unsubscribe from and delete Outlook Junk Email, safely. It runs from the Outlook ribbon, a Command Prompt, or a daily schedule.

Platform Windows 10 / 11

Outlook Classic, 32 / 64-bit

Mailbox Microsoft 365 / Exchange Online

Version v. 261031-1754

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01 WHAT WT-JUNKCLEANER DOES

Every time it runs, WT-JunkCleaner goes through the Junk Email folder one message at a time:

- It reads the message headers: who it was sent to, any unsubscribe link, and the sender-authentication result that Microsoft stamped when the message arrived.
- If the sender proved it is who it claims to be, WT-JunkCleaner unsubscribes using the safest method the sender supports.
- It deletes the message, whether or not an unsubscribe happened or worked.
- If you turn it on, it lists the domains of persistent spammers in a CSV file you can use to block them.
- It writes a CSV log so you can see exactly what happened to each message.

Built-in safety rules

Out of the box, WT-JunkCleaner follows three rules:

RULE	WHY IT MATTERS
Only authenticated senders are contacted	Much junk is sent from forged addresses. Clicking "unsubscribe" in a forged message mostly tells the spammer your address is real, and some links are malicious. WT-JunkCleaner contacts a sender only if Microsoft's own check passed (`dmarc=pass` or `compauth=pass`). Everything else is deleted without any contact.
One-click unsubscribe is the default	The RFC 8058 one-click standard sends one small request to the sender's unsubscribe address. No web page is opened, nothing is rendered and no script runs. Major mailing platforms are required to support it.
Only safe links are opened	A link is used only if it is `https` and has a real host name. Plain `http` links, bare IP addresses and local names are refused, and at most 3 redirects are followed.

Other unsubscribe methods are available in Settings, but every one of them is off by default.

> WT-JUNKCLEANER IS FREE
>
> If it cleared out your Junk folder and saved you time, you can help fund future development: Support WT-JunkCleaner ☕. You can also click **Support** on the Outlook ribbon or run `WT-JunkCleaner support`. It's entirely optional. Thank you!

02 REQUIREMENTS

- Windows 10 or 11 with Windows PowerShell 5.1 (built in) and .NET Framework 4.8 (built in).
- **Classic** Outlook for Windows (Microsoft 365 Apps, Outlook 2016 or later), 32- or 64-bit. The new Outlook and Outlook on the web do not support this kind of add-in. The Command Prompt and scheduled runs work regardless of which Outlook you use.
- A Microsoft 365 / Exchange Online mailbox.
- Internet access to the PowerShell Gallery during install. The installer downloads one Microsoft module: `Microsoft.Graph.Authentication`.
- No administrator rights are needed. Everything installs for your Windows user only.

03 INSTALLING

1. **Close Outlook.** If Outlook is open, the installer waits and asks you to close it.
2. **Download** `WT-JunkCleaner-Setup.cmd` from taucher.llc. It is one self-contained installer file.
3. **Double-click** `WT-JunkCleaner-Setup.cmd`. Your browser or Windows SmartScreen may warn about a downloaded `.cmd` file; choose to keep and run it. A window opens and shows each step. (If you received the WT-JunkCleaner folder instead, double-click `Install.cmd` in it.)
4. **Wait for "WT-JunkCleaner is installed."** The first install takes a minute or two while the modules download.
5. **Start Outlook.** The **WT-JunkCleaner** group appears on the Home tab.

What the installer does

STEP	DETAIL
Copies the program	To `%LOCALAPPDATA%\WT-JunkCleaner`. This keeps it outside OneDrive, so syncing never locks the add-in file. If you already have a `config.json`, it is kept.
Installs modules	`Microsoft.Graph.Authentication`, which reads and deletes mail, for your user only.
Builds the add-in	Compiles `JunkCleanerAddIn.dll` with the C# compiler that is part of Windows. Visual Studio is not needed.

STEP	DETAIL
Registers the add-in	Under your user's registry keys, for both 32- and 64-bit Office. It also clears any earlier "disabled" flag Outlook recorded for it.
Adds a command	Puts the program folder on your PATH, so `WT-JunkCleaner` works in any **new** Command Prompt window.

VERSIONS & UPDATING

Versions are named `v. YYMMDD-HHMM`: the date and time of the build in Los Angeles (Pacific) time, so `v. 261031-1720` was built October 31, 2026 at 5:20 PM. A larger number is newer. To see what you have installed, run `WT-JunkCleaner version` or look at the bottom of the Settings window. To install a newer version, close Outlook and run the new `WT-JunkCleaner-Setup.cmd`. Your settings and logs are kept.

04 YOUR FIRST RUN

Do the first run by hand so you can sign in to Microsoft 365 and see what WT-JunkCleaner would do before it changes anything.

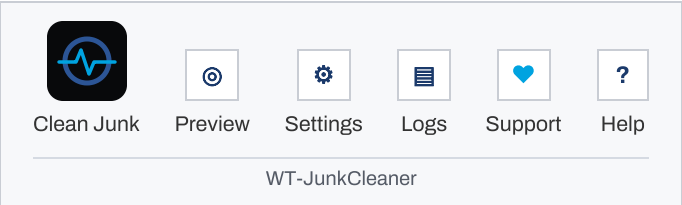
1. In Outlook, click **Preview**, or type `WT-JunkCleaner preview` in a Command Prompt.
2. A Microsoft sign-in window opens. Sign in with your mailbox account and approve the **Mail.ReadWrite** permission. Your sign-in is remembered for later runs.
3. Read the list. Each line shows what would happen (method, sender authentication, sender and subject). In preview nothing is unsubscribed or deleted.
4. If any real mail shows up, add that sender to **Keep senders** in Settings.
5. Click **Clean Junk** to do it for real.

TIP

If you want a few days to rescue real mail from Junk before it is deleted, set **Only process messages older than** to 2 or 3 days in Settings.

05 USING IT FROM OUTLOOK

The add-in puts a **WT-JunkCleaner** group on the Home tab of the main Outlook window:



BUTTON	WHAT IT DOES
Clean Junk	Asks for confirmation, then opens a window and processes the Junk Email folder with your saved settings. The window stays open at the end so you can read the summary. Press Enter to close it.
Preview	Same as Clean Junk, but as a dry run. Nothing is unsubscribed or deleted.
Settings	Opens the Settings window (section 7).
Logs	Opens the folder that holds the CSV log of every run.
Support	Opens PayPal so you can support future development, if you want to. WT-JunkCleaner is free.
Help	Opens this manual.

Outlook stays usable while WT-JunkCleaner runs, because the work happens in its own window.

06 USING IT FROM THE COMMAND PROMPT

Open a new Command Prompt after installing and type:

COMMAND	WHAT IT DOES
`WT-JunkCleaner`	Runs now with your saved settings.
`WT-JunkCleaner preview`	Dry run. Shows what would happen and changes nothing.
`WT-JunkCleaner config`	Opens the Settings window.
`WT-JunkCleaner logs`	Opens the log folder.
`WT-JunkCleaner manual`	Opens this manual.
`WT-JunkCleaner version`	Shows the installed version.
`WT-JunkCleaner support`	Opens PayPal to support future development (optional).
`WT-JunkCleaner help`	Lists the commands and overrides.
`WT-JunkCleaner uninstall`	Removes WT-JunkCleaner (section 13).

One-time overrides

Options typed after `WT-JunkCleaner` apply to that run only. They do not change your saved settings.

```
WT-JunkCleaner -MaxMessages 50
WT-JunkCleaner -OlderThanDays 3 -HardDelete
WT-JunkCleaner preview -Mailbox user@contoso.com
WT-JunkCleaner -BlockMode CsvOnly
```

OVERRIDE	MEANING
`-Mailbox`	`me` or a mailbox address such as `user@contoso.com`
`-MaxMessages`	The most messages to process in this run
`-OlderThanDays`	Only process messages received more than this many days ago
`-HardDelete`	Permanently delete instead of moving to Deleted Items
`-AllowMailto`, `-AllowGetLinks`, `-ScanBody`	Turn on the extra unsubscribe methods for this run
`-IncludeUnauthenticated`	Also contact senders that failed authentication (not recommended)
`-BlockMode`	`Off` or `CsvOnly` (write the spam-domain list)
`-LogFolder`	Write this run's log to a different folder

07 SETTINGS REFERENCE

Open Settings from the ribbon, with `WT-JunkCleaner config`, or by pressing **F1** in the Settings window to get back to this manual. Settings are saved in `%LOCALAPPDATA%\WT-JunkCleaner\config.json`.

The buttons at the bottom are **Save & Preview**, **Save & Run now**, **Help**, **Save** and **Cancel**. The **Support it** ☕ link in the bottom-right corner opens PayPal.

General tab

SETTING	DEFAULT	DESCRIPTION
Mailbox	`me`	`me` means the account you sign in with. To clean another mailbox, enter its address. You need full access to that mailbox.

SETTING	DEFAULT	DESCRIPTION
Deleted messages go to	Deleted Items	Deleted Items keeps messages recoverable. **Permanently delete** skips Deleted Items.
Only process messages older than	0 (all)	Leaves recent junk alone for this many days, so you have time to rescue real mail.
Maximum messages per run	500	A safety limit on how many messages one run handles.
Keep senders	(empty)	One address or domain per line. Matching messages are never unsubscribed or deleted; they stay in Junk Email. A domain also matches its subdomains.
Log folder	`…\WT-JunkCleaner\Logs`	Where the CSV logs are written. **Open log folder** opens it.

Unsubscribe tab

SETTING	DEFAULT	DESCRIPTION
One-click unsubscribe	Always on	RFC 8058 POST to the https unsubscribe link, used when the sender advertises one-click support.
Send mailto: unsubscribe emails	Off	Sends the sender's unsubscribe email from your mailbox. The first time, you will be asked to approve the **Mail.Send** permission.
Open https List-Unsubscribe links (GET)	Off	Opens the header link when one-click is not offered.
Look for a link in the message body	Off	A last resort: finds an "unsubscribe" or "opt out" link in the message body.
Also contact senders that FAIL authentication	Off	Not recommended. These senders are usually forged, and contacting them confirms your address.

> **BE CAREFUL WITH THE EXTRA METHODS**
>
> Opening a link from a spammer tells them your address is live. Turn on GET links or body scanning only if you trust the senders that end up in your Junk folder.

Spam domains tab

SETTING	DEFAULT	DESCRIPTION
Write a list of spam domains (CSV)	Off	After each run, writes `SpamDomains_<date>.csv` to the log folder. Nothing in your mailbox is changed. See section 9.
Its unsubscribe link is dead	On	Lists the sender's domain when the unsubscribe request failed (404, timeout, error).
It has no unsubscribe link	Off	Lists the domains of cold-outreach senders that offer no way out.
It failed sender authentication	Off	Lists the claimed domain of senders that failed authentication. This can list a real brand whose name was forged, which is why it is off.
Also list each sending subdomain seen	On	Lists `enews9.example.com` as well as `example.com`.
Never list these domains	Common free-mail and your own domains	Domains that are never listed, even if they meet a rule.

Schedule tab

SETTING	DEFAULT	DESCRIPTION
Run automatically every day	Off	Creates or removes a Windows scheduled task named **WT-JunkCleaner** when you click Save.
Time	6:00 AM	When the daily run starts. A run missed because the PC was off starts at your next sign-in.

08 HOW EACH MESSAGE IS HANDLED

Each message in Junk Email goes through these steps in order:

1	**Keep list.** If the sender is on Keep senders, the message is left in Junk Email and nothing else happens.
2	**Authentication check.** Only the top `Authentication-Results` header is read, because that is the one Exchange Online stamped when the message arrived; lower copies can be forged. If it shows neither `dmarc=pass` nor `compauth=pass`, the message is marked **Skipped** and goes straight to step 5.
3	**Unsubscribe.** The first method that applies is used: one-click POST → mailto (if on) → header GET (if on) → body link (if on). If none applies, it is noted as no link, or as a method that is not enabled.
4	**Spam-domain check.** If the spam-domain list is on and one of its rules matches, the sender's base domain (and its subdomain, if that option is on) is added to the list. Never-list domains are skipped.
5	**Delete.** The message is moved to Deleted Items, or permanently deleted, whatever happened above.

After all messages are done, the log, the spam-domain list (if it is on) and the summary are written.

09 LISTING SPAM DOMAINS

A lot of spam comes from networks that rotate through many subdomains (for example `enews1` to `enews17.fund4ever.com`) and whose unsubscribe links lead nowhere. Unsubscribing cannot stop these; blocking the domain can. WT-JunkCleaner does not block anything itself. Instead it can hand you a ready-made list.

Turn on **Write a list of spam domains** on the **Spam domains** tab in Settings. After each run you will find `SpamDomains_<date>.csv` in the log folder, with one domain per row and the reason it was listed. Parent domains come first, then the subdomains seen.

Using the list

WHO	WHAT TO DO
You	In Outlook, open **Junk → Junk E-mail Options → Blocked Senders** and add the domains you want blocked. Mail from them then always goes to Junk Email, where WT-JunkCleaner clears it on the next run.
Your IT admin	Import the domains into the Microsoft 365 Defender **Tenant Allow/Block List**. That stops the mail for the whole organization before it is delivered.

KEEP YOUR BLOCKED SENDERS LIST SHORT

Exchange Online only applies the first 500 entries of a mailbox's Blocked Senders list, and all the junk lists together are limited to 510 KB. Add parent domains (such as `fund4ever.com`) rather than every subdomain.

10 RUNNING ON A SCHEDULE

1. Do one run by hand first (section 4), so your Microsoft 365 sign-in is saved.
2. Open **Settings → Schedule**, check **Run WT-JunkCleaner automatically every day**, choose a time, and click **Save**.
3. To check it, open **Task Scheduler** and find the task **WT-JunkCleaner** in the Task Scheduler Library. You can right-click it and choose **Run** to test it.

Scheduled runs use your Windows account, happen only while you are signed in to Windows, and open a minimized window. If your saved Microsoft 365 sign-in has expired, the sign-in window appears; complete it once and later runs go back to being silent.

11 READING THE LOG

Each run writes `WT-JunkCleaner_<date>_<time>.csv` to the log folder. It opens in Excel.

COLUMN	CONTENTS
Received	When the message arrived
From / To / Subject	Sender address, the To header, and the subject
Auth	`dmarc=pass`, `compauth=pass`, `fail` or `none`
Method	See the table below
Result	For example `HTTP 200` (unsubscribed), `Unsubscribe failed: … (404)`, `No unsubscribe link`, or `Sender auth fail - not contacted`
Deleted	True if the message was deleted
UnsubURL	The unsubscribe targets the sender listed

METHOD	MEANING
`OneClickPOST`	RFC 8058 one-click request sent
`Mailto`	Unsubscribe email sent from the mailbox
`HeaderGET` / `BodyGET`	Header or body link opened
`Skipped`	Sender failed authentication, so it was not contacted
`None`	No usable unsubscribe method
`Kept`	On the Keep senders list, so it was left in Junk Email

MANY FAILED UNSUBSCRIBES ARE NORMAL

Spam networks often list unsubscribe links that return 404. That is a sign the sender belongs on the spam-domain list, not a problem with WT-JunkCleaner.

12 TROUBLESHOOTING

PROBLEM	WHAT TO DO
No WT-JunkCleaner group in Outlook	Check that you are using **classic** Outlook; the new Outlook does not run this add-in. Then go to **File → Options → Add-ins**. If WT-JunkCleaner is under *Disabled* or *Inactive*, choose **Manage: COM Add-ins → Go** (or **Disabled Items**) and turn it on. Running the installer again with Outlook closed also clears the disabled flag.
Installer: "Add-in build failed"	Outlook was probably still open and holding the old add-in file. Close Outlook completely (check Task Manager for `OUTLOOK.EXE`) and run the installer again.
"WT-JunkCleaner is not recognized"	Open a **new** Command Prompt; windows that were already open don't see the PATH change. You can also run `%LOCALAPPDATA%\WT-JunkCleaner\WT-JunkCleaner.cmd` directly.
Sign-in window keeps appearing	Complete it once with the mailbox account. If your organization requires admin approval for the Microsoft Graph Command Line Tools app, an admin must grant consent once in Entra ID.
"Could not create SSL/TLS secure channel"	WT-JunkCleaner forces TLS 1.2/1.3. If you still see this error for a sender, their server is out of date. That sender's unsubscribe fails, but the message is still deleted.

PROBLEM	WHAT TO DO
Many 404 or timeout results	This is expected with spam networks. Turn on the spam-domain list (section 9).
"Over the size allowed on the server"	The 510 KB junk-list limit was reached. Remove old entries in Outlook (**Junk → Junk E-mail Options → Blocked Senders**), keeping parent domains rather than subdomains.
Real mail was deleted	With the default setting it is in **Deleted Items**; move it back. Add the sender to **Keep senders**, and consider **Only process messages older than** 2–3 days.
Scripts are blocked by policy	All launchers use `-ExecutionPolicy Bypass` for their own scripts only. If your organization blocks that through Group Policy, ask your administrator to allow the `%LOCALAPPDATA%\WT-JunkCleaner` folder.

13 UNINSTALLING

Close Outlook, then run `WT-JunkCleaner uninstall`, or run `WT-JunkCleaner-Setup.cmd -Uninstall` from a Command Prompt in the folder where you saved it. The uninstaller removes the add-in registration, the scheduled task, the PATH entry and the program files. It asks whether to keep your logs.

14 REFERENCES

TOPIC	SOURCE
Blocked/Safe Senders limits (500 synced entries, 65,535 total, 510 KB)	https://learn.microsoft.com/en-us/defender-office-365/configure-junk-email-settings-on-exo-mailboxes
Exchange Online Protection limits	https://learn.microsoft.com/en-us/office365/servicedescriptions/exchange-online-protection-service-description/exchange-online-protection-limits
Tenant Allow/Block List	https://learn.microsoft.com/en-us/defender-office-365/tenant-allow-block-list-about
RFC 8058, one-click unsubscribe	https://www.rfc-editor.org/rfc/rfc8058
RFC 2369, List-Unsubscribe header	https://www.rfc-editor.org/rfc/rfc2369
Microsoft Graph: list messages	https://learn.microsoft.com/graph/api/user-list-messages

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