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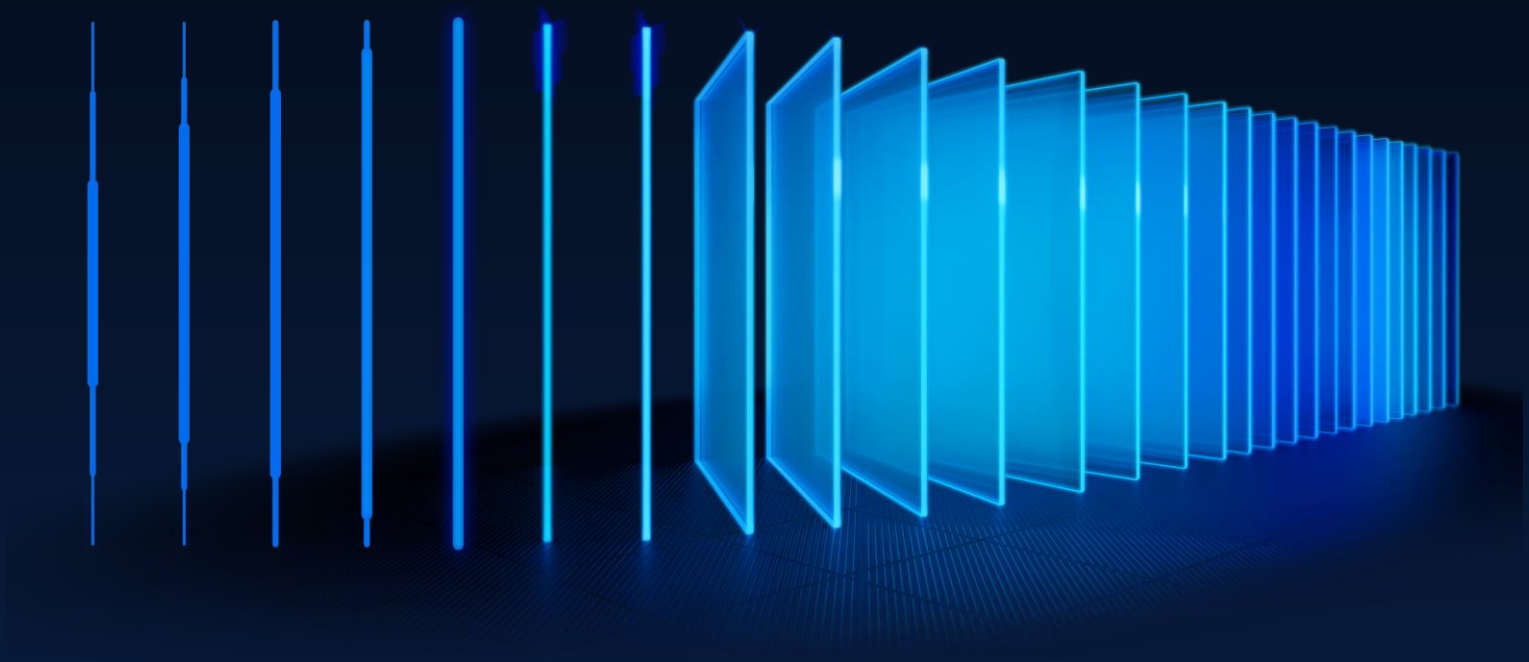
SDK News

OESIS Framework Update

May 2026

Announcement Date

2026/05/12



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OESIS Framework Release Announcement
May 2026

Please review the Required Actions in section 3 that you need to take soon.

1 – What's New?

We are thrilled to unveil the latest updates to the OESIS Framework this month. Get ready to supercharge your endpoint protection solutions with expanded support for more products and some new, exciting features. Build stronger defenses with advanced capabilities that integrate seamlessly into your products. Prepare for an epic upgrade that'll take your security to the next level.

1.1 Separating TortoiseGit Signature for x64, x86, and Arm64 Installers

FEATURE: COMPLIANCE

BEHAVIOR CHANGE, WINDOWS, DATA UPDATE NEEDED

As part of this month's release, we have improved our TortoiseGit detection on Windows by separating the existing TortoiseGit signature into distinct entries per installer architecture (x86, x64, Arm64). The existing TortoiseGit signature (ID 214) has been re-scoped, and new signatures were introduced to enable architecture-specific detection and fresh-install handling:

- TortoiseGit (x64): Signature ID 214
- TortoiseGit (x86): Signature ID 4129
- TortoiseGit (Arm64): Signature ID 4148

These signatures now map to the respective 32-bit, 64-bit, and Arm64 installers for TortoiseGit on Windows. This update ensures more accurate detection, better handling of fresh installs, and fixes earlier version-mismatch issues.

1.2 Remove "method_status" hive from patch_status.json

FEATURE: PATCHING

BEHAVIOR CHANGE, ANALOG PACKAGE, DATA UPDATE NEEDED, CODE CHANGE

To ensure that patch_status.json is dedicated solely to indicating the patching status of applications, and to consolidate application capabilities into a single data file (products.json), the "method_status" hive is removed from patch_status.json starting this May.

As a replacement for the "method_status" hive, we have introduced a new field called "useable_download_link" in products.json. This field serves the same purpose as the "method_status" hive, indicating whether the GetLatestInstaller method can return a download link when the "download" field is set to 0.

You will need to make a code change to implement this feature. Please contact the OPSWAT team to assist with this

1.3 Support for Patching Multiple App Instances on Linux

FEATURE: PATCHING

ENHANCEMENT, LINUX, ENGINE UPDATE NEEDED, CODE CHANGE

We have enhanced our patching support to better handle applications that are installed more than once on the same Linux device.

OESIS Framework can now detect multiple instances of the same application on a Linux endpoint. Patch level checks can distinguish between up-to-date and outdated instances, instead of treating them as a single installation.

This enhancement allows customers to patch the intended instance without leaving confusion regarding the patching status or vulnerability reporting.

You will need to make a code change to implement this feature. Please contact the OPSWAT team to assist with this

1.4 New OESIS SDK Error Codes for Office 365 Installations

FEATURE: PATCHING

ENHANCEMENT, WINDOWS, ENGINE UPDATE NEEDED

We're introducing two new SDK error codes to provide clearer diagnostics for Microsoft Office 365 installation and update scenarios. These changes are based on Microsoft's documentation regarding Office CSP / Office Deployment Tool and are designed to map more accurately to Office native error codes **17002** and **17006**.

Two new return codes have been added to the OESIS SDK:

- *WAAPI_VMOD_ERROR_COMPLETING_INSTALLATION_SCENARIO* (id: -1064)
  Brief: Indicates an installation failure due to reasons like user cancellation, another installation in progress, insufficient disk space, or an unknown language ID.
- *WAAPI_VMOD_ERROR_INSTALLATION_SCENARIO_CANCELED* (id: -1065)
  Brief: Indicates an installation canceled by the installer because running applications are blocking the update.

To take advantage of these mappings, please upgrade to OESIS version 4.3.5341 or later.
If you continue using an older SDK version, *error.define* field for these scenarios will remain empty, hindering accurate interpretation of Office deployment failures.

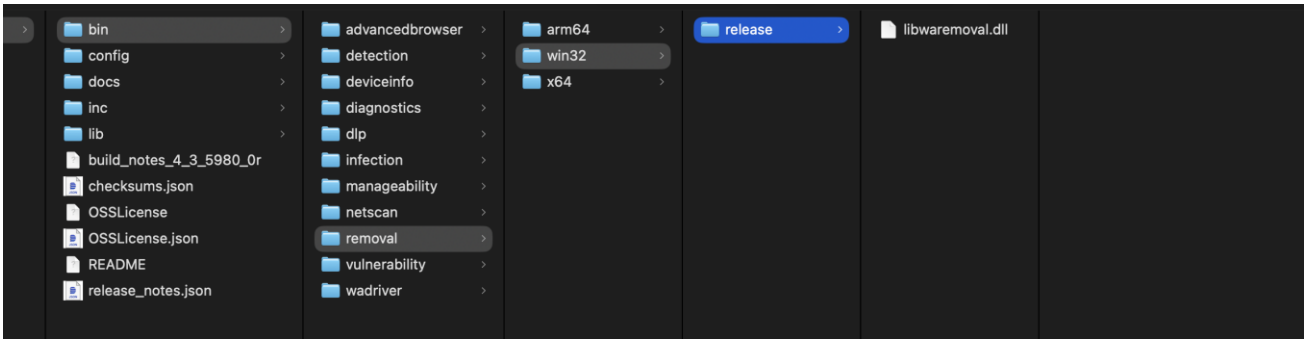
1.5 Uninstall Files added to the removal Folder in the SDK Package

FEATURE: UNINSTALL

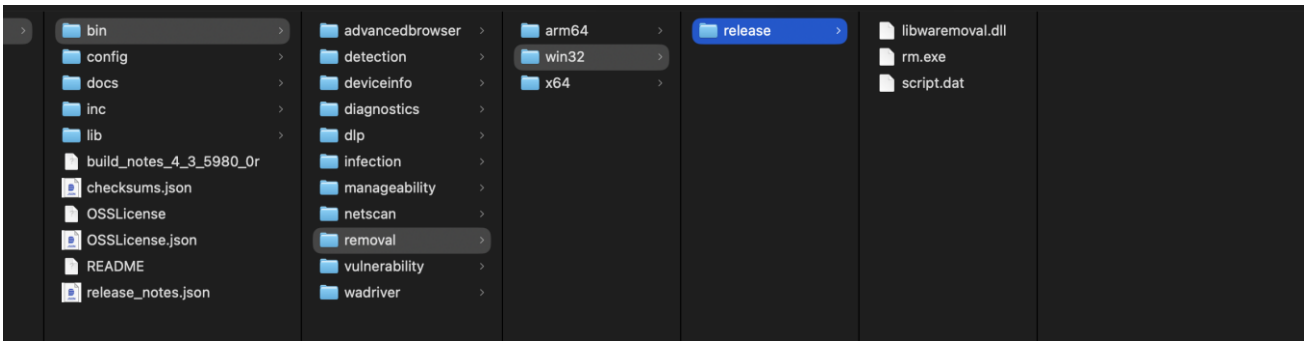
ENHANCEMENT, WINDOWS

NOTE: Customers using the Uninstall feature of the SDK DO NOT need to make any changes regarding this change, though you should be aware of the two new files that will be added to the removal folder in the SDK.

The SDK Package has a folder structure like:



Beginning with the SDK packages built after May 2nd, 2026, two new files will be added to the release folder inside the removal folders (the arm64, win32, and x64 folders):



If you are currently distributing the libwaremoval.dll to your endpoints, you DO NOT need to make any changes. **This Newsletter Update is only meant as FYI.**

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2 – Upcoming Changes

2.1 Clearer Windows Defender Real-time Protection Status when managed by 3rd Party AV

FEATURE: COMPLIANCE

ENHANCEMENT, WINDOWS, ENGINE UPDATE NEEDED, CODE CHANGE

We are enhancing the GetRealTimeProtection method for Windows Defender to make it clear when Windows Defender is being managed (and effectively disabled) by a third-party antivirus product.

Today, customers sometimes see Windows Defender protection state reported as ON or OFF inconsistently, which is expected when a third-party AV is in control. But the current output does not explain why.

With this change, when Windows Defender is managed by another AV, JSON output of GetRealTimeProtection will include a new *managed_by_3rd_party_products* array listing the managing product's information. If Windows Defender is not managed by any third-party AV, this field will be omitted.


```
{
  "result": {
    "code": 0,
    "details": {
      "antispyware": false,
      "antivirus": false
    },
    "enabled": false,
    "managed_by_3rd_party_products": [
      {
        "displayName": "CrowdStrike Falcon",
        "pathToSignedProductExe": "C:\\Program Files\\CrowdStrike\\CSFalconService.exe",
        "signature": 2866
      }
    ],
    "method": 1000,
    "signature": 477,
    "timestamp": "1765255198",
    "timing": 16
  }
}
```


This additional context helps customers understand that Windows Defender's state is no longer the primary indicator of protection and that they should rely on the third-party AV's real-time protection state for posture and compliance decisions.

You will need to make a code change to implement this feature. Please contact the OPSWAT team to assist with this

2.2 Support for Ubuntu 26.04 LTS

FEATURE: VULNERABILITY ASSESSMENT

ENHANCEMENT, ANALOG PACKAGE, DATA UPDATE NEEDED

We're expanding our Linux coverage to include the upcoming Ubuntu 26.04 LTS release in OESIS.

Ubuntu 26.04 LTS is now recognized and supported across OESIS modules. All applicable functionality will behave consistently with other supported Ubuntu versions, even during the early period where no CVEs have yet been published for 26.04.

2.3 Support phased updates in GetMissingPatches for Ubuntu apt

FEATURE: COMPLIANCE

ENHANCEMENT, LINUX, DATA UPDATE NEEDED

We're developing an enhancement to the GetMissingPatches method for apt (Advanced Package Tool - the primary package management system on Debian-based systems such as Ubuntu), adding visibility into Ubuntu's phased updates.

Ubuntu uses "phased updates" for some apt packages, where updates are gradually rolled out to a percentage of endpoints. Our GetMissingPatches (*WAAPI_MID_GET_MISSING_PATCHES* – ID 1013) API will detect those and return a new optional field, patches.phased, when a package is in a phased rollout.

2.4 Integration between OESIS Framework and WinGet

FEATURE: ALL MODULES

NEW FEATURE, WINDOWS, ENGINE UPDATE NEEDED, CODE CHANGE

Starting in May, we will introduce integration between the OESIS Framework and WinGet, expanding the catalog of applications supported for detection and patch management.

To enable WinGet-sourced products, customers can pass the new optional *enable_winget_source* boolean flag in the JSON input of DetectProducts. By default, this flag is false, meaning existing integrations will continue to behave exactly as before with no changes required.

When *enable_winget_source* is set to true, the method will return both OPSWAT-curated and WinGet-sourced products in its results. Every entry in the output will include a *data_source* field, allowing customers to distinguish between "opswat" and "winget" sourced products.

You will need to make a code change to implement this feature. Please contact the OPSWAT team to assist with this

2.5 Bulletin Support for Patching

FEATURE: PATCHING

NEW FEATURE, ALL PLATFORMS, ENGINE UPDATE NEEDED, CODE CHANGE

We are introducing Bulletin-based patch organization in the OESIS Framework, enabling customers to view and sort patches by Bulletin ID — consistent with how major software vendors publish and communicate their updates, which may include security fixes, bug resolutions, and general software improvements.

With this update, customers can now filter and retrieve patch information by Bulletin ID (e.g., Adobe's APSB25-14), making it easier to align remediation workflows with vendor-issued advisories.

You will need to make a code change to implement this feature. Please contact the OPSWAT team to assist with this

2.6 Support Vulnerability Assessment and Patching for Windows Drivers

FEATURE: VULNERABILITY ASSESSMENT, PATCHING

NEW FEATURE, WINDOWS, ENGINE UPDATE NEEDED, CODE CHANGE

OESIS Framework is extending its Vulnerability Assessment (VA) and Patch Management (PM) capabilities to cover Windows drivers. This enhancement enables customers to detect, assess, and remediate vulnerabilities at the driver level.

With this update, customers can leverage OESIS to identify outdated or vulnerable Windows drivers, evaluate risk exposure, and apply available patches.

You will need to make a code change to implement this feature. Please contact the OPSWAT team to assist with this

3 – Required Actions

3.1 Engine Release Cadence Change (Starting October)

RELEASE SCHEDULE UPDATE, ALL PLATFORMS

Starting in October, we will update our Engine Package release cadence from weekly to bi-weekly. Under this new schedule, releases will occur twice per month, once in the second week and once in the fourth week of each month. This change aligns with our new development framework, enabling more accurate estimations, clearer updates, and more reliable on-time releases. We believe this adjustment will help us deliver higher-quality updates more consistently.

** The initial rollout timeline has been revised from April to October. If you have any concerns or need clarification on this update, please contact the OPSWAT team to assist with this**

3.2 End of Support for AppRemover package with the old engine on macOS

END OF SUPPORT, MAC

As we have refactored the AppRemover module on macOS to provide a more optimized and streamlined experience, two packages of the AppRemover module on macOS are being maintained on the My OPSWAT Portal: AppRemover OSX and AppRemover OSX V2.

As of January 1, 2026, the OSX package has been removed. We recommend upgrading to AppRemover OSX V2 to ensure your system receives all new updates and comprehensive technical support for the AppRemover module.

3.3 End of Support for Windows 7 & Windows 8

END OF SUPPORT, WINDOWS

After careful consideration, support for Windows 7 and Windows 8 (server versions included) will be removed from the SDK beginning **January 1st 2027** (one year later than previously planned).

To ensure security, compatibility, and optimal performance with the OESIS Framework, we recommend upgrading endpoints to a supported Microsoft operating system.

4 – Detailed SDK Information

This is just the tip of the iceberg! You can view all the supported applications on our support charts:

4.1 Windows Support Charts

4.2 Mac Support Charts

4.3 Linux Support Charts

4.4 SDK API Documentation

5 – Contact

Are you a customer and have questions about this list? Please contact our trusted support team at opswat-support@opswat.com

OPSWAT is a global leader in IT, OT, and ICS critical infrastructure cybersecurity, and for the last 20 years has continuously evolved an end-to-end solutions platform that empowers public and private sector organizations with the critical advantage needed to protect their complex networks and ensure compliance. OPSWAT solves customers' cybersecurity challenges around the world with zero-trust solutions and patented technologies across every level of their infrastructure, securing their networks, data, and devices, and preventing known and unknown threats, zero-day attacks, and malware.

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