

Subject: SentrySuite™ – Windows® 10 Security Update Compatibility

Date: 2023-03-13 (last update)

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Background

Microsoft® is identifying Operating System (OS) and native Microsoft application-level vulnerabilities which impact the Windows 10 OS which is part of the environment in which Vyaire Medical's SentrySuite™ software runs.

While these vulnerabilities do not impact SentrySuite software directly, changes made by Microsoft to remediate these issues may cause compatibility issues with SentrySuite.

How Microsoft Is Responding

Microsoft regularly publishes new builds for its Windows 10 OS, called Quality Updates. The Quality Updates may contain important security patches for vulnerabilities in the Windows 10 OS. An overview of Windows 10 Quality Updates may be found here: [Windows 10 update history](#).

How Vyaire Is Responding

Vyaire's SentrySuite software has been validated for use with current Microsoft Windows 10 versions **21H2** and **22H2**.

As Microsoft releases new Quality Updates for Windows 10 21H2 and 22H2, each version of SentrySuite compatible with Windows 10 which is not considered End-Of-Life is tested for compatibility with those new updates.

Each Quality Update contains the cumulative changes of all previously released updates. Testing of Quality Updates which are not security related may be delayed.

This document will be regularly updated to reflect the outcome of Vyaire's compatibility tests and therefore provide a guideline which patches may be installed without compromising SentrySuite operation.

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Compatibility test results

Release date	Windows 10 build	Relevant Microsoft KB	Security updates in build	SentrySuite compatibility	Notes
10-JAN-2023	22H2: 19045.2486 21H2: 19044.2486	KB5022282	Yes	3.20.6 ✓ 3.10.8 ✓ 3.0.10 ✗	See (9)
13-DEC-2022	22H2: 19045.2364 21H2: 19044.2364	KB5021233	Yes	3.20.6 ✓ 3.10.8 ✓ 3.0.10 ✓	
11-OCT-2022	21H2: 19044.2130	KB5018410	Yes	3.20.3 ✓ 3.10.7 ✓ 3.0.10 ✗	See (8)
12-JUL-2022	21H2: 19044.1826 21H1: 19043.1826	KB5015807	Yes	3.20.3 ✓ 3.10.7 ✓ 3.0.10 ✓	
14-JUN-2022	21H2: 19044.1766 21H1: 19043.1766	KB5014699	Yes	3.20.3 ✓ 3.10.7 ✓ 3.0.10 ✓	
10-MAY-2022	21H2: 19044.1706 21H1: 19043.1706	KB5013942	Yes	3.20.3 ✓ 3.10.7 ✓ 3.0.10 ✓	
08-MAR-2022	21H1: 19043.1586 20H2: 19042.1586	KB5011487	Yes	3.20.3 ✓ 3.10.6 ✓ 3.0.9 ✓	See (7)
08-FEB-2022	21H1: 19043.1526 20H2: 19042.1526	KB5010342	Yes	3.20.2 ✓ 3.10.6 ✓ 3.0.9 ✓	
11-JAN-2022	21H1: 19043.1466 20H2: 19042.1466	KB5009543	Yes	3.20.2 ✓ 3.10.6 ✓ 3.0.9 ✓	
14-DEC-2021	21H1: 19043.1415 20H2: 19042.1415 20H1: 19041.1415	KB5008212	Yes	3.20.2 ✓ 3.10.6 ✓ 3.0.9 ✓	See (6)
09-NOV-2021	20H2: 19042.1348 20H1: 19041.1348	KB5007186	Yes	3.20.2 ✓ 3.10.6 ✓ 3.0.9 ✓	
12-OCT-2021	20H2: 19042.1288 20H1: 19041.1288 (see Notes)	KB5006670	Yes	3.20.2 ✓ 3.10.6 ✓ 3.0.9 ✓	See (5)

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Release date	Windows 10 build	Relevant Microsoft KB	Security updates in build	SentrySuite compatibility	Notes
14-SEP-2021	20H2: 19042.1237 20H1: 19041.1237	KB5005565	Yes	3.20.2 ✓ 3.10.6 ✓ 3.0.9 ✓	
10-AUG-2021	20H2: 19042.1165 20H1: 19041.1165	KB5005033	Yes	3.20.2 ✓ 3.10.6 ✓ 3.0.9 ✓	
13-JUL-2021	20H2: 19042.1110 20H1: 19041.1110	KB5004237	Yes	3.20.1 ✓ 3.10.5 ✓ 3.0.8 ✓	
06-JUL-2021 (out of band)	20H2: 19042.1083 20H1: 19041.1083	KB5004945	Yes	3.20.1 ✓ 3.10.5 ✓ 3.0.8 ✓	
08-JUN-2021	20H2: 19042.1052 20H1: 19041.1052	KB5003637	Yes	3.20.1 ✓ 3.10.5 ✓ 3.0.8 ✓	
11-MAY-2021	20H2: 19042.985 20H1: 19041.985	KB5003173	Yes	3.20.1 ✓ 3.10.5 ✓ 3.0.8 ✓	
13-APR-2021	20H2: 19042.928 20H1: 19041.928 1909: 18363.1500	KB5001330 KB5001330 KB5001337	Yes	3.20.1 ✓ 3.10.4 ✓ 3.0.7 ✓	See (4)
09-MAR-2021	20H1: 19041.867 1909: 18363.1440	KB5000802 KB5000808	Yes	3.20 ✓ 3.10.4 ✓ 3.0.7 ✓	
09-FEB-2021 11-FEB-2021	20H1: 19041.804 1909: 18363.1379	KB4601319 KB5001028	Yes	3.20 ✓ 3.10.3 ✓ 3.0.6 ✓ 2.21.6 ✓	
08-DEC-2020	1909: 18363.1256 1903: 18362.125	KB4592449	Yes	3.10.3 ✓ 3.0.6 ✓ 2.21.6 ✓	See (3)
13-OCT-2020	1909: 18363.1139 1903: 18362.1139	KB4577671	Yes	3.10.3 ✓ 3.0.6 ✓ 2.21.6 ✓	
16-SEP-2020	1909: 18363.1110 1903: 18362.1110	KB4577062	No	3.10.3 ✓ 3.0.6 ✓ 2.21.6 ✓	

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Release date	Windows 10 build	Relevant Microsoft KB	Security updates in build	SentrySuite compatibility	Notes
08-SEP-2020	1909: 18363.1082 1903: 18362.1082	KB4574727	Yes	3.10.2 ✓ 3.0.5 ✓ 2.21.6 ✓	
20-AUG-2020	1909: 18363.1049 1903: 18362.1049	KB4566116	No	3.10.2 ✓ 3.0.5 ✓ 2.21.6 ✓	
11-AUG-2020	1909: 18363.1016 1903: 18362.1016	KB4565351	Yes	3.10.2 ✓ 3.0.5 ✓ 2.21.6 ✓	
21-JUL-2020	1909: 18363.997 1903: 18362.997	KB4559004	No	3.10.2 ✓ 3.0.5 ✓ 2.21.6 ✓	
14-JUL-2020	1909: 18363.959 1903: 18362.959	KB4565483	Yes	3.10.2 ✓ 3.0.5 ✓ 2.21.6 ✓	
16-JUN-2020	1909: 18363.904 1903: 18362.904	KB4567512	No	3.10.2 ✓ 3.0.5 ✓ 2.21.6 ✓	
09-JUN-2020	1909: 18363.900 1903: 18362.900	KB4560960	Yes, see Microsoft Security Update Guide	3.10.2 ✓ 3.0.5 ✓ 2.21.6 ✓	See (2)
12-MAY-2020	1909: 18363.836 1903: 18362.836	KB4556799	Yes, see Microsoft Security Update Guide	3.10.2 ✓ 3.0.5 ✓ 2.21.6 ✓	
21-APR-2020	1903: 18362.815	KB4550945	No	3.10.2 ✓ 3.0.5 ✓ 2.21.6 ✓	
14-APR-2020	1903: 18362.778	KB4549951	Yes, see Microsoft Security Update Guide	3.10.2 ✓ 3.0.5 ✓ 2.21.5 ✓	
30-MAR-2020	1903: 18362.753	KB4554364	No	3.10.1 ✓ 3.0.4 ✓ 2.21.5 ✓	
24-MAR-2020	1903: 18362.752	KB4551762	No	3.10.1 ✓ 3.0.4 ✓ 2.21.5 ✓	

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Release date	Windows 10 build	Relevant Microsoft KB	Security updates in build	SentrySuite compatibility	Notes
12-MAR-2020	1903:18362.720	KB4551762	Yes, see Microsoft Security Update Guide	3.10.1 ✓ 3.0.4 ✓ 2.21.5 ✓	See (1)
10-MAR-2020	1903:18362.719	KB4540673	Yes, see Microsoft Security Update Guide	3.10.1 ✓ 3.0.4 ✓ 2.21.5 ✓	
27-FEB-2020	1903:18362.693	KB4535996	No	3.10.1 ✓ 3.0.4 ✓ 2.21.5 ✓	
11-FEB-2020	1903:18362.657	KB4532693	Yes, see Microsoft Security Update Guide	3.10.1 ✓ 3.0.4 ✓ 2.21.5 ✓	
28-JAN-2020	1903:18362.628	KB4532695	No	3.10.1 ✓ 3.0.4 ✓ 2.21.5 ✓	
14-JAN-2020	1903:18362.592	KB4528760	Yes, see Microsoft Security Update Guide	3.10.1 ✓ 3.0.4 ✓ 2.21.5 ✓	

Vyairé recommends installing any relevant security updates that have been tested as compatible per the compatibility test results table above.

Compatibility test notes

- (1) Microsoft OneNote update is installed with this build and sets the default printer to OneNote. Default printer needs to be manually changed back to previously selected default printer. This does not affect SentrySuite.
- (2) Microsoft introduced an issue in this build which may cause issues with printing to a physical or virtual printer. Vyairé does not recommend installing this build but instead to install build 904, released by Microsoft on 16-JUN-2020 which mitigates this issue.
- (3) This will be the last Windows update released by Microsoft for Windows 10 1903. Windows 10 1903 has reached “End of Life” (EOL) status as of 08-DEC-2020.
- (4) This will be the last Windows update released by Microsoft for Windows 10 1909. Windows 10 1909 has reached “End of Life” (EOL) status as of 11-MAY-2021.

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- (5) Windows 10 20H1 Build 19041.1288 has not been tested individually. 20H1 Build 19041.1348 (9-NOV-2021) includes all changes from Build 19041.1288 and has been tested as compatible.
- (6) This will be the last Windows update released by Microsoft for Windows 10 20H1. Windows 10 20H1 has reached “End of Life” (EOL) status as of 14-DEC-2021.
- (7) This will be the last Windows update released by Microsoft for Windows 10 20H2. Windows 10 20H2 has reached “End of Life” (EOL) status as of 10-MAY-2022.
- (8) The 11-OCT-2022 update causes a crash in the ECG measurement application with SentrySuite 3.0.10. Vyairé is actively working on a fix. Windows 10 21H1 has not yet been tested for compatibility and results will be provided in a bulletin update at a later point in time.
- (9) The 10-JAN-2023 update causes the following issues with SentrySuite 3.0.10:
 1. Report Preview crashes in full view with Adobe Reader 11. Workaround: Update the Adobe Reader 11 to Adobe Reader DC.
 2. Connection between clients and server is frequently lost. Restart of server required to fix the issue.

SentrySuite and Windows 10 compatibility testing plan

All Windows 10 versions released by Microsoft have a defined “End of Life” (EOL) date after which Microsoft won’t release any more quality or security updates for the version. For details and EOL dates, please see Microsoft’s [Windows 10 release information website](#) and the [Windows Lifecycle FAQ](#).

The following table explains which SentrySuite version is tested against which Windows 10 feature version:

Windows 10 Version	Windows 10 EOL date	Compatibility test status	SentrySuite Version			
			3.20	3.10	3.0	2.21 ¹
22 H2	14-MAY-2024	Tests ongoing	x	x	x ³	
21 H2	13-JUN-2023	Tests ongoing	x	x	x ³	
21 H1	13-DEC-2022	Tests stopped 12-JUL-2022	x	x	x	
20 H2 ²	10-MAY-2022	Tests stopped 10-MAY-2022	x	x	x	
2004 (20 H1) ²	14-DEC-2021	Tests stopped 14-DEC-2021	x	x	x	x
1909 (19 H2) ²	11-MAY-2021	Tests stopped 13-APR-2021	x	x	x	x
1903 (19 H1) ²	08-DEC-2020	Tests stopped 08-DEC-2020	--	x	x	x
1809 ³	10-NOV-2020	Tests stopped	--	--	x	x
1803 ³	12-NOV-2019	Tests stopped	--	--	x	x

¹ SentrySuite 2.21 is out of support. Tests have been stopped.

² Tests for Windows 10 security updates have been stopped since these Windows 10 versions have reached their EOL date and are not supported by Microsoft anymore.

³ SentrySuite 3.0 will become EOL with the release of SentrySuite 3.30. Tests will be stopped for 3.0 once it is EOL.

Vyairé does not recommend using Windows 10 versions which have been marked as EOL by Microsoft.

These Windows 10 versions will not receive regular quality and security updates by Microsoft anymore and may be vulnerable to threats that emerged after the EOL date.

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Generic controls

- Ensure your data has been backed up and stored according to your individual process and that your disaster recovery procedures are in place.
- Update your anti-virus and malware protection, where available.

For product or site-specific concerns, contact your Vyairé service representative.

For more information on Vyairé's proactive approach to product security and vulnerability management, contact us at productsecurity@vyaire.com or visit www.vyaire.com/product-security

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