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## Windchill RV&S 13.0.0.0 Release Matrix

### Product Calendar

PRODUCT & VERSION	RELEASE DATE	STANDARD SUPPORT END DATE	EXTEND SUPPORT END DATE
Windchill RV&S 13.0.0.0	2021-12-30	2023-12-30	

### PTC Product Interoperability

#### Windchill

PRODUCT	VERSION	SUPPORT STATUS	RELEASE DATE	STANDARD SUPPORT END DATE	EXTEND SUPPORT END DATE
Windchill PLM	12.0.2.0	Yes	2021-06-25	2024-06-30	2025-06-30
Windchill PLM	12.0.2.1 (12.0 M020 CPS01)	Yes	2021-08-04	2024-06-30	2025-06-30

#### Windchill Systems & Software Engineering

PRODUCT	VERSION	SUPPORT STATUS	RELEASE DATE	STANDARD SUPPORT END DATE	EXTEND SUPPORT END DATE
Windchill Modeler	9.4.0.0	Yes	2021-05-18	2023-05-18	

#### ThingWorx

PRODUCT	VERSION	SUPPORT STATUS	RELEASE DATE	STANDARD SUPPORT END DATE	EXTEND SUPPORT END DATE
ThingWorx Foundation	9.2.1.0	Yes	2021-08-03	2023-06-30	
ThingWorx Flow	9.2.1.0	Yes	2021-08-03	2023-06-30	
ThingWorx Foundation	9.2.2.0	Yes	2021-09-09	2023-06-30	
ThingWorx Flow	9.2.2.0	Yes	2021-09-09	2023-06-30	
ThingWorx Foundation	9.2.3.0	Yes	2021-10-01	2023-06-30	
ThingWorx Flow	9.2.3.0	Yes	2021-10-01	2023-06-30	

#### Footnotes

## Developer Tools

PRODUCT	VERSION	SUPPORT STATUS	RELEASE DATE	STANDARD SUPPORT END DATE	EXTEND SUPPORT END DATE
Implementer	12.5.0.0 (12.5)	Yes	2021-09-17	2024-09-30	

## Operating Systems

### Server OS

PRODUCT & VERSION	Red Hat Enterprise Linux 8.4	SUSE Linux Enterprise Server 15 SP2 +	Windows Server 2019 Standard & Datacenter LTSC 1809+
Windchill RV&S 13.0.0.0	Yes	Yes	Yes

### Client OS

PRODUCT & VERSION	Red Hat Linux Desktop 8.4	SUSE Linux Desktop 15 SP2 +	iPAD OS 14.4+	Windows 10 Enterprise LTSC 1809+	Windows 10 Enterprise 2019 LTSC	Windows 10 Enterprise 21H1+	Windows Server 2019 Desktop Experience Standard and Datacenter LTSC 1809+
Windchill RV&S 13.0.0.0	Yes	Yes	Yes	Yes	Yes	Yes	Yes

## Footnotes

1)

1. If you are a Workflows and Documents user, we recommend using 13.0.0.0 client installed on Windows or RHEL operating systems to be used with 13.0.0.0 server.
2. Supported Languages are English, Japanese, Simplified Chinese, German, French & Korean.
3. The Administration client for Windchill RV&S Server is supported on the appropriate flavor like Desktop on the Server Operating Systems.
4. Apple OS supports only Refreshed or 2nd Gen Web UI
5. The Client of Windchill RV&S 13.0.0.0 and beyond will run as a 64-bit application on the listed Windows and Linux operating systems.
6. The Client of Windchill RV&S 13.0.0.0 and beyond on 64-bit Linux system requires the installation of 64-bit X11 libraries. These libraries can include but are not limited to libX11, libXext, libXau, libxcb, libXtst, and libXi. Consult your OS's documentation for further instructions on how to install the 64-bit X11 libraries.
7. Microsoft Windows 10 is certified using LTSC and Semi-annual channel builds mentioned in the table. The latest builds above the mentioned LTSC and Semi-annual channel builds are supported but are not certified. "Semi-Annual Channel (Targeted)" (SAC-T) and Current Channel versions are not supported.

8. Microsoft Windows Server 2019 Standard & Datacenter with Desktop Experience are certified using the mentioned Long-Term Service Channel builds. Versions above the mentioned Long-Term Service Channel builds are supported but are not certified. **Semi-Annual Channel versions are not supported.**
9. The Client of Windchill RV&S 13.0.0.0 on SUSE Linux Enterprise Server and Desktop is supported only for Configuration Management (Source).
10. Unless otherwise noted, the latest service packs are recommended for each supported platform or database.
11. Windows 10 Professional 21H1+ **is supported but not certified.**

## Application Compatibility

### Client Based Third Party Applications - Client OS

APPLICATION NAME	BUNDLED	Red Hat Linux Desktop 8.4	SUSE Linux Desktop 15 SP2 +	iPAD OS 14.4+	Windows 10 Enterprise LTSC 1809+	Windows 10 Enterprise 2019 LTSC	Windows 10 Enterprise 21H1+	Windows Server 2019 Desktop Experience Standard and Datacenter LTSC 1809+
Eclipse IDE 4.19.0+	No	Yes	Yes	No	Yes	Yes	Yes	No
Jenkins plugin - RV&S 2.5	No	Yes	Yes	No	Yes	Yes	Yes	No
MATLAB Simulink 2020b	No	No	No	No	Yes	Yes	Yes	No
MATLAB Simulink 2021a	No	No	No	No	Yes	Yes	Yes	No
MATLAB Simulink 2021b	No	No	No	No	Yes	Yes	Yes	No
Microsoft Excel 2019	No	No	No	No	Yes	Yes	Yes	No
Microsoft Excel Office 365 Semi Annual 2008+	No	No	No	No	Yes	Yes	Yes	No
Microsoft Project 2019	No	No	No	No	Yes	Yes	Yes	No
Microsoft Project Office 365 Semi Annual 2008+	No	No	No	No	Yes	Yes	Yes	No
Microsoft Visual Studio 2019	No	No	No	No	Yes	Yes	Yes	No
Microsoft Word 2019	No	No	No	No	Yes	Yes	Yes	No
Microsoft Word 365 Semi Annual 2008+	No	No	No	No	Yes	Yes	Yes	No

### Footnotes

#### 1) Client Based Third Party Applications

1. Please review the OS compatibility published by the vendor for exact version of OS supported with the specific

version of this component for better guidance.

## 2. Microsoft Office Based Integrations -

1. Import/Export/Edit in Word requires .NET Framework 4.7.2. It is recommended that all available MS Windows Office updates be applied.
2. Import/Export/Edit in Word requires Microsoft Office 64-bit . The 64-bit versions of Microsoft Office 365 & 2019 based Word, Excel, and Project are supported.
3. Only OLE objects from supported desktop versions of Microsoft Office can be embedded in Rich Text fields in Windchill RV&S.
4. Microsoft office 365 is certified using the mentioned semi-annual channel version builds.
5. Semi-annual channel version builds above the mentioned version are supported but are not certified.
6. **Semi-Annual (Targeted) Channel and Monthly Channel versions are not supported.**

## 3. Eclipse IDE 4.19.x -

1. The Windchill RV&S Eclipse integration is based on the core Eclipse Team API and will continue to be compatible with any Eclipse-based product that is compliant with the Eclipse Resource Framework corresponding to the WC RV&S supported versions of Eclipse, including the IBM Rational family of Eclipse-based products. Both 32-bit and 64-bit versions of Eclipse are supported.
2. This integration is tested using the same version of the Java Runtime Environment as the Windchill RV&S Client.

## 4. GIT 2.5.0 -

1. Git integration is supported with those versions which support server-side hooks – update, pre-receive and post-receive.

## 5. MATLAB Simulink 2020b -Note applies to all versions supported versions of Matlab

1. Requires Simulink, Simulink Check, Simulink Coverage, Simulink Requirements, and Stateflow.
2. Matlab is Certified on Windows, is expected to also work on other Client OS as stated by Matlab

## Database - Server OS

APPLICATION NAME	BUNDLED	Red Hat Enterprise Linux 8.4	SUSE Linux Enterprise Server 15 SP2 +	Windows Server 2019 Standard & Datacenter LTSC 1809+
MS SQL Server Enterprise & Standard 2019	No	Yes	Yes	Yes
Oracle 19c Enterprise & Standard 19.3.0.0.0+	No	Yes	Yes	Yes

## Footnotes

### 1) Database

1. Please review the actual OS compatibility published by Microsoft & Oracle for exact version of OS supported with specific versions of the database.
2. Microsoft Windows Server 2019 Standard & Datacenter with Desktop Experience are certified using the mentioned Long-Term Service Channel builds. Versions above the mentioned Long-Term Service Channel builds are supported but are not certified. **Semi-Annual Channel versions are not supported.**
3. Installation of Windchill RV&S server with Oracle 19c on Windows platform requires the installation of Oracle 19c Windows Database Bundle Patch: 19.9.0.0.201020 (31771877).
4. Oracle Enterprise Edition is recommended for the high availability features such as online table and index

maintenance. AWR & ADDM reports for any analysis on the database is available only on Enterprise Edition.

5. Microsoft SQL Server Enterprise Edition is recommended for scalability and better performance.

6. Unless otherwise noted, the latest service packs are recommended for each supported platform or database.

## Server Based Third Party Applications - Server OS

APPLICATION NAME	BUNDLED	Red Hat Enterprise Linux 8.4	SUSE Linux Enterprise Server 15 SP2 +	Windows Server 2019 Standard & Datacenter LTSC 1809+
GitLab Community Edition 7.14.3+	No	Yes	Yes	Yes
GitLab Enterprise Edition 8.4.3+	No	Yes	Yes	Yes
Jenkins plugin - RV&S 2.5	No	Yes	Yes	Yes

## JDK - Server OS

APPLICATION NAME	BUNDLED	Red Hat Enterprise Linux 8.4	SUSE Linux Enterprise Server 15 SP2 +	Windows Server 2019 Standard & Datacenter LTSC 1809+
Amazon Corretto 11.0.7_10 + on 64 Bit	No	Yes	Yes	Yes
Oracle JDK 11.0.11 + on 64 Bit	No	Yes	Yes	Yes

## Footnotes

### 1) JDK

1. Please review the actual OS compatibility published by Oracle & Amazon for exact version of OS supported with specific versions of JDK.
2. The JDK version shown is the version that was certified and tested. Newer updates from the Oracle JDK and Amazon Corretto 8.0 series are supported, but are not certified.

## Browser - Client OS

APPLICATION NAME	BUNDLED	Red Hat Linux Desktop 8.4	SUSE Linux Desktop 15 SP2 +	iPAD OS 14.4+	Windows 10 Enterprise LTSC 1809+	Windows 10 Enterprise 2019 LTSC	Windows 10 Enterprise 21H1+	Windows Server 2019 Desktop Experience Standard and Datacenter LTSC 1809+
Firefox ESR 78.12.0+	No	Yes	Yes	No	Yes	Yes	Yes	No
Google Chrome Latest	No	No	No	No	Yes	Yes	Yes	No

Microsoft Edge Chromium Latest	No	No	No	No	Yes	Yes	Yes	No
Safari 14+	No	No	No	Yes	No	No	No	No

## Footnotes

### 1) Browser

1. The 1st Gen Web UI: Google Chrome, Microsoft Edge(Chromium-based)
2. The Refreshed Web UI: Microsoft Edge (Chromium-based), Google Chrome, Mozilla Firefox 78.12.0+ ESR, Safari 14.1+

## Agent - Server OS

APPLICATION NAME	BUNDLED	Red Hat Enterprise Linux 8.4	SUSE Linux Enterprise Server 15 SP2 +	Windows Server 2019 Standard & Datacenter LTSC 1809+
Windchill RV&S Agent 13.0.0.0	No	Yes	Yes	Yes

## Footnotes

### 1) Agent

1. Microsoft Windows 10 is certified using LTSC and Semi-annual channel builds mentioned in the table. The latest builds above the mentioned LTSC and Semi-annual channel builds are supported but are not certified. **"Semi-Annual Channel (Targeted)" (SAC-T) and Current Channel versions are not supported.**
2. Microsoft Windows Server 2019 Standard & Datacenter with Desktop Experience is certified using Long Term Service Channel 1809 builds. Versions above Long Term Service Channel 1809 are supported but are not certified. **Semi-Annual Channel versions are not supported.**

## SAML Identity Provider - Server OS

APPLICATION NAME	BUNDLED	Red Hat Enterprise Linux 8.4	SUSE Linux Enterprise Server 15 SP2 +	Windows Server 2019 Standard & Datacenter LTSC 1809+
PingFederate 9.3.3 Patch 5	No	Yes	No	Yes

## JDK (Client) - Client OS

APPLICATION NAME	BUNDLED	Red Hat Linux Desktop 8.4	SUSE Linux Desktop 15 SP2 +	iPAD OS 14.4+	Windows 10 Enterprise LTSC 1809+	Windows 10 Enterprise 2019 LTSC	Windows 10 Enterprise 21H1+	Windows Server 2019 Desktop Experience Standard and Datacenter LTSC 1809+
Amazon Corretto 11.0.7_10 + on 64 Bit	No	Yes	Yes	No	Yes	Yes	Yes	No



OSLC Client for Windchill Modeler	Yes	Digital Product Traceability	Yes	Yes	Yes	Yes	Yes	Yes	No
OSLC Client for Windchill PDMLink	Yes	Digital Product Traceability	Yes	Yes	Yes	Yes	Yes	Yes	No

**Footnotes**

1) OSLC Client for Windchill RV&S

- 1. Windchill RV&S 13.0.0.0 OSLC Client with Windchill RV&S 13.0.0.0 OSLC Server