Windchill® RV&S 12 Product Integrations

> **Important:** Starting with Windchill RV&S 13.0 release, Product Platforms, and Integration matrices will not be available on reference documents page on the support site. You can view the product compatibility matrices on the Release Advisor on PTC.com.

Windchill RV&S OSLC Client Support

OSLC Client Compatibility Matrix		OSLC Server														
		Windchill PDMLink						Windchill Modeler				Windchill RV&S			
OSLC Client	Version	11.2.1.0+	11.2.0.2+	11.1 M020 CPS08+	12.0.0.0+	12.0.1.0+	12.0.2.0+	9.1	9.2	9.3	9.4	12.3.0.0	12.3.1.0	12.4.0.0	12.5.0.0
Windchill RV&S	12.5.0.0	✓	N/A	✓	N/A	N/A	✓	N/A	N/A	✓	✓	N/A	N/A	N/A	✓
	12.4.0.0	✓	N/A	✓	N/A	✓	✓	✓	✓	✓	✓	N/A	N/A	✓	N/A
	12.3.1.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	N/A	N/A
	12.3.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	N/A
Integrity Lifecycle Manager	12.2.1.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	N/A	N/A

Windchill RV&S - ThingWorx Compatibility

ThingWorx Connectors	Compatibility	
	ThingWorx	Windchill RV&S
ThingWorx Flow Adaptor[1]	8.5+	12.2+
ThingWorx Extension 1.3	9.1+	12.4+
ThingWorx Extension 1.2	8.4.5	10.8 – 12.2

1. While the ThingWorx Extensions have access to Windchill RV&S Data, the ThingWorx Flow Adaptor for Windchill RV&S 12.2+ uses the new and evolving REST API. This provides access to Queries, Edit Items of Query Results starting version 12.2, expanding to more data as the Refreshed Web UI Roadmap is delivered.

Windchill RV&S 12.5.0.0 – Integrations

Integration	Languages[5]
Eclipse[1,4] 4.16.x	All Supported Languages
Microsoft Visual Studio 2019	English & Japanese
Microsoft[6] Excel 365 Semi-annual 2008+[8], Excel 2019[11]	English & Japanese
Microsoft[6] Project Online Desktop Client for office 365 Semi-annual 2008+[8], Project 2019[11]	English & Japanese
Microsoft[6] Word[2,10] 365 Semi-annual 2008+[8], Word 2019[11]	All Supported Languages
The Mathworks Matlab & Simulink product families[3,9] 2019a,2019b,2020a,2020b	English & Japanese
GIT 2.5.0 or later, GitLab (Community Edition version 7.14.3 or later and Enterprise Edition version 8.4.3–ee or later)[7]	English
Jenkins Windchill RV&S plugin 2.4+	All Supported Languages

1. The Windchill RV&S Eclipse integration is based on the core Eclipse Team API and is and will continue to be compatible with any Eclipse-based product that is compliant with the Eclipse Resource Framework corresponding to the Integrity 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. Import/Export/Edit in Word requires .NET Framework 4.7.2. It is recommended that all available MS Windows Office updates be applied.
3. Requires Simulink, Simulink Check, Simulink Coverage, Simulink Requirements, and Stateflow.
4. This integration is tested using the same version of the Java Runtime Environment as the Windchill RV&S Client.
5. Supported Languages are English, Japanese, Simplified Chinese, German, French & Korean.
6. Only OLE objects from supported versions of Microsoft Office can be embedded in Rich Text fields in Windchill RV&S.
7. Git integration is supported with those versions which support server-side hooks – update, pre-receive and post-receive.
8. Microsoft office 365 is certified using the mentioned semi-annual channel version builds. Semi-annual channel version builds above the mentioned version are supported but are not certified. Semi-Annual (Targeted) Channel and Monthly Channel versions are not supported. 32-bit is to be only used as a test environment and 64-bit versions of Microsoft office 365 Word, Excel, and Project are supported.
9. Matlab releases from R2018a-R2019a are supported with Windchill RV&S Integration with Matlab 2.0 Release.
10. Import/Export/Edit in Word using Microsoft Office 32-bit requires 32-bit JRE and it is to be only used as a test environment. Only 64-Bit Word, Client & Gateway are supported. Please visit Windchill RV&S 12 Product Platforms matrix on PTC.com for supported JRE version.
11. Both 32-bit and 64-bit versions of Microsoft office 2019 Word, Excel, and Project are supported but 32-bit is to be only used as a test environment and 64-bit versions of Microsoft office 365 Word, Excel, and Project are supported for Production use.

PTC System Monitor (PSM) Support

PTC System Monitor is not supported with Windchill RV&S 12.5.0.0. Please refer to the Article CS328900 for more details.

Windchill RV&S 12.4.0.0 – Integrations

Integration	Languages[5]
Eclipse[1,4] 4.16.x	All Supported Languages
Microsoft Visual Studio 2019	English & Japanese
Microsoft[6] Excel 365 Semi-annual 2002+[8], Excel 2019[11]	English & Japanese
Microsoft[6] Project Online Desktop Client for office 365 Semi-annual 2002+[8], Project 2019[11]	English & Japanese
Microsoft[6] Word[2,10] 365 Semi-annual 2002+[8], Word 2019[11]	All Supported Languages
The Mathworks Matlab & Simulink product families[3,9] 2019a,2019b,2020a,2020b	English & Japanese
GIT 2.5.0 or later, GitLab (Community Edition version 7.14.3 or later and Enterprise Edition version 8.4.3–ee or later)[7]	English
Jenkins Windchill RV&S plugin 2.4+	All Supported Languages

1. The Windchill RV&S Eclipse integration is based on the core Eclipse Team API and is and will continue to be compatible with any Eclipse-based product that is compliant with the Eclipse Resource Framework corresponding to the Integrity 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. Import/Export/Edit in Word requires .NET Framework 4.7.2. It is recommended that all available MS Windows Office updates be applied.
3. Requires Simulink, Simulink Check, Simulink Coverage, Simulink Requirements, and Stateflow.
4. This integration is tested using the same version of the Java Runtime Environment as the Windchill RV&S Client.
5. Supported Languages are English, Japanese, Simplified Chinese, German, French & Korean.
6. Only OLE objects from supported versions of Microsoft Office can be embedded in Rich Text fields in Windchill RV&S.
7. Git integration is supported with those versions which support server-side hooks – update, pre-receive and post-receive.
8. Microsoft office 365 is certified using the mentioned semi-annual channel version builds. Semi-annual channel version builds above the mentioned version are supported but are not certified. Semi-Annual (Targeted) Channel and Monthly Channel versions are not supported. Both 32-bit and 64-bit versions of Microsoft office 365 Word, Excel, and Project are supported.
9. Matlab releases from R2018a-R2019a are supported with Windchill RV&S Integration with Matlab 2.0 Release.
10. Import/Export/Edit in Word using Microsoft Office 32-bit requires 32-bit JRE. Please visit Windchill RV&S 12 Product Platforms matrix on PTC.com for supported JRE version.
11. Both 32-bit and 64-bit versions of Microsoft office 2019 Word, Excel, and Project are supported.

PTC System Monitor (PSM) Support

PTC System Monitor is not supported with Windchill RV&S 12.4.0.0. Please refer to the Article CS328900 for more details.

Windchill RV&S 12.3.1.0 and 12.3.0.0 – Integrations

Integration	Languages[5]
Eclipse[1,4] 4.13.x	All Supported Languages
Microsoft Visual Studio 2017, 2019	English & Japanese
Microsoft[6] Excel 365 Semi-annual 1902+[8], Excel 2019[11]	English & Japanese
Microsoft[6] Project Online Desktop Client for office 365 Semi-annual 1902+[8], Project 2019[11]	English & Japanese
Microsoft[6] Word[2,10] 365 Semi-annual 1902+[8], Word 2019[11]	All Supported Languages
The Mathworks Matlab & Simulink product families[3,9] 2018a, 2018b, 2019a	English & Japanese
GIT 2.5.0 or later, GitLab (Community Edition version 7.14.3 or later and Enterprise Edition version 8.4.3–ee or later)[7]	English
Jenkins Integrity plugin 2.3+	All Supported Languages

1. The Windchill RV&S Eclipse integration is based on the core Eclipse Team API and is and will continue to be compatible with any Eclipse-based product that is compliant with the Eclipse Resource Framework corresponding to the Integrity 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. Import/Export/Edit in Word requires .NET Framework 4.7.2. It is recommended that all available MS Windows Office updates be applied.
3. Requires Simulink, Simulink Check, Simulink Coverage, Simulink Requirements, and Stateflow.
4. This integration is tested using the same version of the Java Runtime Environment as the Windchill RV&S Client.
5. Supported Languages are English, Japanese, Simplified Chinese, German, French & Korean.
6. Only OLE objects from supported versions of Microsoft Office can be embedded in Rich Text fields in Windchill RV&S.
7. Git integration is supported with those versions which support server-side hooks – update, pre-receive and post-receive.
8. Microsoft office 365 is certified using the mentioned semi-annual channel version builds. Semi-annual channel version builds above the mentioned version are supported but are not certified. Semi-Annual (Targeted) Channel and Monthly Channel versions are not supported. Both 32-bit and 64-bit versions of Microsoft office 365 Word, Excel, and Project are supported.
9. Matlab releases from R2018a-R2019a are supported with Windchill RV&S Integration with Matlab 2.0 Release.
10. Import/Export/Edit in Word using Microsoft Office 32-bit requires 32-bit JRE. Please visit Windchill RV&S 12 Product Platforms matrix on PTC.com for supported JRE version.
11. Both 32-bit and 64-bit versions of Microsoft office 2019 Word, Excel, and Project are supported.

PTC System Monitor (PSM) Support

Windchill RV&S Version	PSM Version
12.3.1.0, 12.3.0.0	7.0

Integrity Lifecycle Manager 12.2.1.0 and 12.2.0.0 – Integrations

Integration	Languages[5]
Eclipse[1,4] 4.10.x, 4.11.x	All Supported Languages
Microsoft Visual Studio 2015, 2017	English & Japanese
Microsoft[6] Excel 2016[8], 365 for 2016 Semi-annual 1808+[8]	English & Japanese
Microsoft[6] Project 2016[8], Online Desktop Client for office 365 for 2016 Semi-annual 1808+[8]	English & Japanese
Microsoft[6] Word[2,10] 2016[8], 365 for 2016 Semi-annual 1808+[8]	All Supported Languages
The Mathworks Matlab & Simulink product families[3,9] 2017b, 2018a, 2018b	English & Japanese
GIT 2.5.0 or later, GitLab (Community Edition version 7.14.3 or later and Enterprise Edition version 8.4.3– ee or later)[7]	English
Jenkins Integrity plugin 2.3+	All Supported Languages

1. The Integrity Eclipse integration is based on the core Eclipse Team API and is and will continue to be compatible with any Eclipse-based product that is compliant with the Eclipse Resource Framework corresponding to the Integrity 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. Import/Export/Edit in Word requires .NET Framework 4.7.2. It is recommended that all available MS Windows Office updates be applied.
3. Requires Simulink, Simulink Check, Simulink Coverage, Simulink Requirements, and Stateflow.
4. This integration is tested using the same version of the Java Runtime Environment as the Integrity Client.
5. Supported Languages are English, Japanese, Simplified Chinese, German, French & Korean.
6. Only OLE objects from supported versions of Microsoft Office can be embedded in Rich Text fields in Integrity.
7. Git integration is supported with those versions which support server-side hooks – update, pre-receive and post-receive.
8. Microsoft office 365 for 2016 is certified using semi-annual channel version 1808 builds. Semi-annual channel versions above 1808 are supported but are not certified. Semi-Annual (Targeted) Channel and Monthly Channel versions are not supported. Both 32-bit and 64-bit versions of Microsoft office 2016 Word, Excel and Project and Microsoft office 365 for 2016 Word, Excel, and Project are supported.
9. Matlab releases from R2017b-R2018b are supported with Integrity Lifecycle Manager Integration with Matlab 2.0 Release.
10. Import/Export/Edit in Word using Microsoft Office 32-bit requires 32-bit JRE. Please visit the Integrity Lifecycle Manager 12 Product Platforms matrix on PTC.com for the supported JRE version.

PTC System Monitor (PSM) Support

Integrity Lifecycle Manager Version	PSM Version
12.2.1.0	7.0
12.2.0.0	7.0, 6.0 M020

Integrity Lifecycle Manager 12.1 – Integrations

Integration for 12.1	Languages[5]
Eclipse[1,4] 4.6.x, 4.7.x, 4.8.x	All Supported Languages
Microsoft Visual Studio 2013, 2015, 2017	English & Japanese
Integrity Lifecycle Manager 12.1 CPS01+ required for following integrations	**Languages[5]**
Microsoft[6] Excel 2013[9], 2016[8], 365 for 2016 Semi-annual 1803+[8]	English & Japanese
Microsoft[6] Project 2013[9], 2016[8], Online Desktop Client for office 365 for 2016 Semi-annual 1803+[8]	English & Japanese
Microsoft[6] Word[2] 2013[9], 2016[8], 365 for 2016 Semi-annual 1803+[8]	All Supported Languages
The Mathworks Matlab & Simulink product families[3,10] 2017b, 2018a, 2018b	English & Japanese
GIT 2.5.0 or later, GitLab (Community Edition version 7.14.3 or later and Enterprise Edition version 8.4.3–ee or later)[7]	English
Jenkins Integrity plugin 2.3+	All Supported Languages

1. The Integrity Eclipse integration is based on the core Eclipse Team API and is and will continue to be compatible with any Eclipse-based product that is compliant with the Eclipse Resource Framework corresponding to the Integrity 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. Import/Export/Edit in Word requires .NET Framework 3.5. It is recommended that all available MS Windows Office updates be applied.
3. Requires Simulink, Simulink Check, Simulink Coverage, Simulink Requirements, and Stateflow.
4. This integration is tested using the same version of the Java Runtime Environment as the Integrity Client.
5. Supported Languages are English, Japanese, Simplified Chinese, German, French & Korean.
6. Only OLE objects from supported versions of Microsoft Office can be embedded in Rich Text fields in Integrity.
7. Git integration is supported with those versions which support server-side hooks – update, pre-receive and post-receive.
8. Microsoft office 365 for 2016 is certified using semi-annual channel version 1803 builds. Semi-annual channel versions above 1803 are supported but are not certified. Semi-Annual (Targeted) Channel and Monthly Channel versions are not supported. Both 32-bit and 64-bit versions of Microsoft office 2016 Excel and Project and Microsoft office 365 for 2016 Excel and Project are supported.
9. Microsoft Office 2013 (Excel, Project) requires the installation of the 32-bit version of these products. 64-bit Microsoft Office applications are only supported for the Export Items to Excel gesture, Word Import/Export, and Edit in Word.
10. Matlab releases from R2017b-R2018b are supported with Integrity Lifecycle Manager Integration with Matlab 2.0 Release.

PTC System Monitor (PSM) Support

Integrity Lifecycle Manager Version	PSM Version
12.1	6.0

Integrity Lifecycle Manager 12.0 – Integrations

Integration	Languages[6]
Eclipse[1,5] 4.4.x, 4.5.x, 4.6.x, 4.7.x	All Supported Languages
Microsoft[7] Excel 2013[4], 2016[4], 365 for 2016[4] Semi-annual 1708+[10]	English & Japanese
Microsoft[7] Project 2013[4], 2016[4], Online Desktop Client for office 365 for 2016[4] Semi-annual 1708+[10]	English & Japanese
Microsoft Visual Studio 2010, 2012, 2013, 2015, 2017	English & Japanese
Microsoft[7] Word[2] 2013[4], 2016[4], 365[4] for 2016[4] Semi-annual 1708+[10]	All Supported Languages
The Mathworks Matlab & Simulink product families[3] R2009a-R2011a, R2011b-R2017a[9]	English & Japanese
GIT 2.5.0 or later, GitLab (Community Edition version 7.14.3 or later and Enterprise Edition version 8.4.3–ee or later)[8]	English
Jenkins Integrity plugin 2.1+	All Supported Languages

1. The Integrity Eclipse integration is based on the core Eclipse Team API and is and will continue to be compatible with any Eclipse-based product that is compliant with the Eclipse Resource Framework corresponding to the Integrity 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. Import/Export/Edit in Word requires .NET Framework 3.5. It is recommended that all available MS Windows Office updates be applied.
3. Requires Simulink, Simulink Check, Simulink Coverage, Simulink Requirements, and Stateflow.
4. Microsoft Office 2010, 2013, 2016, and 365 for 2016 (Excel, Project) require the installation of the 32-bit version of these products. 64-bit Microsoft Office applications are only supported for the Export Items to Excel gesture, Word Import/Export, and Edit in Word.
5. This integration is tested using the same version of the Java Runtime Environment as the Integrity Client.
6. Supported Languages are English, Japanese, Simplified Chinese, German, French & Korean.
7. Only OLE objects from supported versions of Microsoft Office can be embedded in Rich Text fields in Integrity.
8. Git integration is supported with those versions which support server-side hooks – update, pre-receive and post-receive.
9. Matlab releases from R2009a-R2011a are supported with PTC Integrity Mathworks Integration 1.2 Release. Matlab releases from R2011b-R2017a are supported with Integrity Lifecycle Manager Integration with Matlab 1.3 Release
10. Microsoft office 365 for 2016 is certified using semi-annual channel version 1708 builds. Semi-annual channel versions above 1708 are supported but are not certified. Semi-Annual (Targeted) Channel and Monthly Channel versions are not supported.

PTC System Monitor (PSM) Support

Integrity Lifecycle Manager Version	PSM Version
12.0	6.0