

# Unified Functional Testing Product Availability Matrix

**Software Version : 14.xx**



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## Operating systems

Unified Functional Testing runs on the following operating systems both on physical servers and on virtual machines.

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
<b>Windows</b>	Server 2008 R2 SP1	✓	✓	✓	✓	✓
	Windows 7 SP1 (32-bit, 64-bit)	✓	✓	✓	✓	✓
	Windows 8.1	✓	✓	✓	✓	✓
	Server 2012	✓	✓	✓	✓	✓
	Server 2012 R2	✓	✓	✓	✓	✓
	Windows 10 (64-bit) (Version 1511, 1607)	✓	✓	✓	✓	✓
	Windows Server 2016	✓	✓	✓	✓	✓
	Windows 10* (64-bit) (Version 1703)	✗	✓ *	✓ *	✓ *	✓ *
	Windows 10 (32, 64-bit) (Version 1709)	✗	✗	✓	✓	✓
	Windows 10 (32, 64-bit) (Version 1803)	✗	✗	✗	✗	✓
<b>Surface</b>	Windows 8.1	✓	✓	✓	✓	✓
	Windows 10	✓	✓	✓	✓	✓

\* Windows 10 v. 1703 ( Creators Update) requires KB4022716, or a KB that supersedes it to enable support for ALM integration.

## Virtualization Solutions

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
<b>Citrix* Not for API testing</b>	XenDesktop 7, 7.6, 7.7	✓ *	✓ *	✓ *	✓ *	✓ *
	XenDesktop 7.8	✗	✗	✓ *	✓ *	✓ *

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
	XenDesktop/Xen APP 7.15 7.17	✗	✗	✗	✗	✓
Amazon WorkSpace	AWS	✗	✓	✓	✓	✓

### Supported Character sets

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
European (ISO-Latin-1)		✓	✓	✓	✓	✓
Simplified Chinese (GB)		✓	✓	✓	✓	✓
Traditional Chinese (Big5)		✓	✓	✓	✓	✓
Japanese		✓	✓	✓	✓	✓
Korean		✓	✓	✓	✓	✓
Unicode (UFT8/UFT16)	2.00	✓	✓	✓	✓	✓
	2.10	✓	✓	✓	✓	✓
	3.00	✓	✓	✓	✓	✓
	4.00	✓	✓	✓	✓	✓

### Version Control integration

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
GIT	2.14.3 or earlier	✓	✓	✓	✓	✓
	2.18.0	✗	✗	✗	✗	✓
Subversion	Any	✓	✓	✓	✓	✓

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
SVN	1.8.X	✓	✓	✓	✓	✓
	1.9.X	✓	✓	✓	✓	✓
	1.109.x	✓	✓	✓	✓	✓

## Integration with other Micro Focus products

### Application Lifecycle Management

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
ALM	11.52*	✓	✗	✗	✗	✗
	12.01	✓	✓	✓	✓	✗
	12.2x**	✓	✓	✓	✓	✓
	12.5x**	✓	✓	✓	✓	✓
	12.60	✗	✗	✗	✗	✓
	14.00 SaaS Patch 1	✗	✗	✓	✓	✗
	14.00 SaaS Patch 2	✗	✗	✗	✓	✗
	14.01 SaaS	✗	✗	✗	✗	✓

\*Extended Support only.

\*\* Starting from UFT14.50, only ALM12.21 and ALM12.55 are formally supported in the 12.2x and 12.5x versions.

### Business Process Testing

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
BPT	12.01	✓	✓	✓	✓	✓

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
	12.2x	✓	✓	✓	✓	✓
	12.5x	✓	✓	✓	✓	✓
	12.60	✗	✗	✗	✗	✓
	14.00 SaaS Patch 1	✗	✗	✓	✓	✗
	14.00 SaaS Patch 2	✗ ✗	✗ ✗	✗ ✗	✓	✓
	14.01 SaaS	✗	✗	✗	✗	✓

### Business Process Monitor

Version	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Business Process Monitor*	9.4x	✓	✓	✓	✓	✓

\*For more information, please check Product Availability Matrix documentation from BPM.

### LoadRunner / Performance Center

Product	Version	UFT 14.00	UFT 14.01	UFT14.02	UFT 14.03	UFT 14.50
LoadRunner	12.53	✓ *	✗	✗	✗	✗
	12.55	✗	✓ *	✓ *	✗	✗
	12.56	✗	✗	✗	✓ *	✗
	12.60	✗	✗	✗	✗	✓ *
	12.53	✓	✗	✗	✗	✗

Product	Version	UFT 14.00	UFT 14.01	UFT14.02	UFT 14.03	UFT 14.50
Performance Center	12.55	✗	✓	✓	✗	✗
	12.56	✗	✗	✗	✓	✗
	12.60	✗	✗	✗	✗	✓

\* When on operating on the same machine, LoadRunner has to be installed first and then UFT.

### Sprinter

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Sprinter	14.00	✓	✗	✗	✗	✗
	14.01	✗	✓	✗	✗	✗
	14.02	✗	✗	✓	✗	✗
	14.03	✗	✗	✗	✓	✗
	14.50	✗	✗	✗	✗	✓

### Mobile Center

Version	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Mobile Center*	2.20, 2.50	✓	✗	✗	✗	✗
	2.51	✓	✓	✗	✗	✗
	2.53	✓	✓	✓	✗	✗
	2.60	✓	✓	✓	✓	✗
	2.70	✓	✓	✓	✓	✗
	2.80	✓	✓	✓	✓	✓

\*For more details, see the [Mobile Center online help](#).



### LeanFT

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
LeanFT	14.00	✓ *	✗	✗	✗	✗
	14.01	✗	✓ *	✗	✗	✗
	14.02	✗	✗	✓ *	✗	✗
	14.03	✗	✗	✗	✓ *	✗
	14.50	✗	✗	✗	✗	✓ *

\*Can coexist on the same machine

### Service Virtualization

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Service Virtualization	3.70	✓	✓	✗	✗	✗
	3.8x	✓	✓	✓	✓	✗
	4.0	✗	✓	✓	✓	✓
	4.10	✗	✗	✓	✓	✓
	4.20	✗	✗	✗	✗	✓

### Network Virtualization

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Network Virtualization	9.12	✓	✓	✓	✓	✓
	9.13	✗	✓	✓	✓	✗
	9.14	✗	✓	✓	✓	✓

## Functional Testing License Server

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Autopass	8.3	✗	✗	✗	✗	✗
	9, 9.1	✓	✓	✓	✓	✗
	9.2.1	✓	✓	✓	✓	✗
	9.3.x	✓	✓	✓	✓	✗
	10.3	✓ *	✓ *	✓ *	✓ *	✗
	10.5	✓ **	✓ **	✓ **	✓ **	✗
	10.7	✓ ***	✓ ***	✓ ***	✓ ***	✓

\* UFT licenses are compatible with Autopass 10.x, but there is no support for the new features introduced in these Autopass versions.

\*\* Redundancy feature is not supported out-of-the-box in Autopass 10.5. For more details see the Autopass documentation.

\*\*\* Requires you to configure SSL support. For details, see the [AutoPass 10.7 SSL Communication Support document](#) (requires login).

## UFT GUI Testing Web Add-in

### Mobile web testing

For more details about web testing on mobile devices, see the [Mobile Center online help](#).

### Internet Explorer

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Internet Explorer	10	✓	✓	✓	✓	✓
	11	✓	✓	✓	✓	✓
	11.00 EPM *	✓	✓	✓	✓	✓

\*For EPM (Enhanced Protected Mode), ActiveX, Silverlight and Flex are not supported.

### Edge

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Edge	13.10586 – 14.14393	✓	✓	✓	✓	✓
	15.15063	✗ ✗	✓	✓	✓	✓
	16.16299	✗	✗	✗	✓	✓
	17.17134	✗	✗	✗	✓ *	✓

\*Support from Patch 2

### Chrome

Product	Version	UFT 14.00	UFT14.01	UFT 14.02	UFT 14.03	UFT 14.50
Chrome	18-30	✓ *	✓ *	✓ *	✓ *	✓ *
	31.0 – 69	✓	✓	✓	✓	✓
	70 Beta	✓	✓	✓	✓	✓
Chrome Headless**	✗	✗	✗	✓	✓	

\*Recording is not supported

\*\*Chrome version 60 and higher supports headless mode

**Note:** If Chrome cannot connect to the internet, the UFT extension may be out of date. Your extension must be up to date to enable you to access recent version of Chrome.

### Firefox

Product	Version	UFT 14.00	UFT14.01	UFT 14.02	UFT 14.03	UFT 14.50
FireFox	38 and earlier	✓ *	✓ *	✓ *	✓ *	✓ *
	38 - 56	✓	✓	✓ **	✓ **	✓ **
	57 - 62	✗	✗	✓	✓	✓
	63 Beta	✗	✗	✓	✓	✓

FireFox ESR	10 - 31	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *
	38 - 52	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> **	<input checked="" type="checkbox"/> **	<input checked="" type="checkbox"/> **
	60	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

\*Support with Legacy agent. For more information, please refer to UFT Help.

\*\*Support with Agent.xpi.

### Safari on Mac

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Safari on Mac	6.x - 10.x	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	11.x	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### PhantomJS

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
PhantomJS		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

### Browser technologies

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
HTML	4.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	5.00	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *
XML	1.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

\*Please check UFT help for details on supported objects.

### Toolkits

Toolkit	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Dojo	1.2.3, 1.5, 1.7, 1.8, 1.9, 1.10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolkit	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
	1.12	✗	✓	✓	✓	✓
	1.13	✗	✗	✗	✗	✓
GWT	2.4 , 2.50, 2.70	✓	✓	✓	✓	✓
	2.8.x	✗	✗	✓	✓	✓
ASP.NET Ajax	3.0.30512, 3.5.30729.1	✓	✓	✓	✓	✓
	4.1.5	✓	✓	✓	✓	✓
YUI	2.7.0	✓ (not Chrome)	✓ (not Chrome)	✓ (not Chrome)	✓ (not Chrome)	✓ (not Chrome)
jQuery UI	1.8.16 , 1.10.4	✓	✓	✓	✓	✓
	1.11.x	✓	✓	✓	✓	✓
	1.12.x	✗	✓	✓	✓	✓
SalesForce		✓	✓	✓	✓	✓
Ext-JS (IE 11, Chrome)	4.2.2, 4.2.3	✓	✓	✓	✓	✓
	6.0.0	✓	✓	✓	✓	✓
Angular	1.x	✓	✓	✓	✓	✓
	2.x, 4.x	✓*	✓*	✓*	✓*	✓*
SiebelOpenUI (IE 11, Chrome)	8.1x , 8.2x	✓	✓	✓	✓	✓
	16	✓	✓	✓	✓	✓

Toolkit	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
ag-Grid		✗	✗	✓	✓	✓
UI-Grid		✗	✗	✗	✓	✓
NW.js		✗	✗	✗	✓	✓
React		✗	✗	✗	✓	✓
Electron(Tech-Preview) Sandbox Mode Only		✗	✗	✓	✓	✓
Chromium Embedded Frameworks**		✓	✓	✓	✓	✓

\* Recording is not supported in IE

\*\*Include Java CEF, CEF Sharp and Adobe CEP

## UFT GUI Testing Java Add-in

### Oracle Java

Support is offered for 32 and 64 applications

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
JRE	1.6, 1.7, 1.8	✓	✓	✓	✓	✓
	1.9 Technical Preview*	✗	✗	✗	✓	✓
	1.9, 1.10	✗	✗	✗	✗	✓

\* Support for Java 1.9 is not offered out of the box, you should check the documentation on how to enable the java 1.9 support

### IBM Java

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
IBM Java	1.4.2, 1.5, 1.6	✓	✓	✓	✓	✓

## Java Oracle Toolkits

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Abstract Window Toolkit (AWT)	1.6, 1.7, 1.8	✓	✓	✓	✓	✓
Swing ( JFC)	1.6, 1.7, 1.8	✓	✓	✓	✓	✓
JavaFX	1.7, 1.8	✓	✓	✓	✓	✓
Eclipse SWT	3.2-3.8,	✓	✓	✓	✓	✓
	4.20	✓	✓	✓	✓	✓

## UFT Java Add-in Extensibility

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Eclipse	3.3 – 3.8	✓	✓	✓	✓	✓
	4.20	✓	✓	✓	✓	✓

## UFT GUI Testing .NET Add-in

Support is offered for 32 and 64 applications (excluding Web Forms applications).

## Microsoft .NET Framework

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
.Net Framework	4.0, 4.5.x, 4.6.x	✓	✓	✓	✓	✓
	4.7	✗	✓	✓	✓	✓
	4.7.1	✗	✗	✓	✓	✓
	4.7.2	✗	✗	✓	✓	✓

Visual Studio (with .Net Addin ExtensibilityExtensability)	2010, 2012, 2013	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	2015	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

### Third party .NET controls

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
ComponentOne TrueDB for .Net	2.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ComponentOne FlexGrid for .Net	2.50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DevExpress XtraGrid	2.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DevExpress - Web ASPxGrid	1.2.0.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DevExpress	15.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	17.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Infragistics UltraWinGrid	3.2.X	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Infragistics UltraWebGrid	3.10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

### UFT GUI Testing WPF Add-in

#### Windows Presentation Foundation

Support is offered for 32 and 64 applications (excluding XBAP applications).

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
WPF	4.0, 4.5x, 4.6x	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	4.7	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



4.7.1	✗	✗	✓	✓	✓
4.7.21	✗	✗	✓	✓	✓

### Silverlight

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Silverlight	5.XX	✓	✓	✓	✓	✓

### UFT WPF and Silverlight Add-in Extensibility

Support is offered for 32 and 64 applications (excluding XBAP applications).

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Silverlight version	5.XX	✓	✓	✓	✓	✓
Microsoft .NET Framework (For WPF only)	4.00, 4.5.x, 4.6.x	✓	✓	✓	✓	✓
	4.7	✗	✓	✓	✓	✓
	4.7.1	✗	✗	✓	✓	✓
	4.7.21	✗	✗	✓	✓	✓
Visual Studio	2010, 2012,2013	✓	✓	✓	✓	✓
	2015	✓	✓	✓	✓	✓

### UFT GUI Testing UI Automation Add-in

\* Application under tests needs to supports Microsoft UI Automation

### Browsers

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
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Internet Explorer	11.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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**Third party controls**

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Telerik WinForms, WPF		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DevExpress WPF		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Infragistics WPF, WinForms		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Microsoft Dynamics	AX 2012	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	2016	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**Certified Technologies with UIA**

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
.Net WinForms	All	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
WPF	All	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Microsoft Office	2013, 2016	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Oracle JavaFX	All	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delphi	All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
QT	5.x	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
UWP		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## UFT GUI Testing SAP Solutions

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
SAP GUI	7.30*, 7.40*, 7.50	✓	✓	✓	✓	✓
Solution Manager	7.1*, 7.2	✓	✓	✓	✓	✓
Portals	7.00, 7.30, 7.40, 7.50	✓	✓	✓	✓	✓
CRM 7.0	CRM 7.0, CRM 7.02 (WebCUIF 7.31)	✓	✓	✓	✓	✓
	CRM 7.03	✓	✓	✓	✓	✓
WebDynpro ABAP	NW 7.4 , 7.5	✓	✓	✓	✓	✓
WebDynpro Java	NW 7.3	✓	✓	✓	✓	✓
NetWeaver Business Client for HTML	3.5	✓	✓	✓	✓	✓
SAPUI5 applications (Including Fiori)	1.28*, 1.34*	✓	✓	✓	✓	✓
	1.38	✓	✓	✓	✓	✓
	1.44	✓	✓	✓	✓	✓
	1.52	✗	✗	✗	✗	✓
Ariba		✓	✓	✓	✓	✓
FieldGlass		✓	✓	✓	✓	✓
Concur		✓	✓	✓	✓	✓
Hybris	6.0	✓	✓	✓	✓	✓
	5.0, 6.0	✓	✓	✓	✓	✓

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
NWBC Desktop Client (AKA SAP Business Client)	6.5	✗	✗	✗	✓	✓

\*These versions are out of maintenance in SAP side

### UFT GUI Testing Oracle Add-in

Supported only on Internet Explorer.

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Oracle Forms	10g (releases 1 and 2)	✓	✓	✓	✓	✓
	11g , 11g R2	✓	✓	✓	✓	✓
	12c	✓	✓	✓	✓	✓
Oracle applications – E-business Suite	12.1, 12.1.1, 12.1.3	✓	✓	✓	✓	✓
	12.2.2 , 12.2.4, 12.2.6, 12.2.7	✓	✓	✓	✓	✓

### UFT GUI Testing PeopleSoft Add-in

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
PeopleTools	8.40 - 8.53	✓	✓	✓	✓	✓
	8.56	✗	✗	✓	✓	✓
Client Modules	8.00, 8.30, 8.40, 8.8, 8.9, 9.00	✓	✓	✓	✓	✓
	9.2	✗	✗	✓	✓	✓

## UFT GUI Testing Siebel Add-in

Support is available for High Interactivity (HI) applications by default, and for Standard Interactivity (SI) as noted. SiebelOpenUI support is added as part of Web 2.0 Extensibility Add in.

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Siebel	8.0x	<input checked="" type="checkbox"/> (SI)	<input checked="" type="checkbox"/> (SI)	<input checked="" type="checkbox"/> (SI)	<input checked="" type="checkbox"/> (SI)	<input checked="" type="checkbox"/> (SI)

## UFT GUI Testing Flex Add-in

Supported only with Internet Explorer

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Flex SDK (only on IE)	3.6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	4.1, 4.5, 4.6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	4.9.x, 4.12x	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	4.14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	4.16	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## UFT GUI Testing Delphi Add-in

Support is offered for 32 and 64 bits Delphi applications.

Some of the Delphi Objects are based on Delphi and InfoPower Studio Controls like TwwDBEdit, TwwDBSpinEdit, TwwDBRichEdit, TwwDBGrid.

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Delphi IDE versions (VCL)	2007 - 2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	XE, XE2, XE7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	10.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	10.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

### UFT GUI Testing Visual Basic Add-in

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Visual Basic	5.00, 6.00	✓	✓	✓	✓	✓

### UFT GUI Testing Power Builder Add-in

Version	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
PowerBuilder	12.00, 12.50	✓	✓	✓	✓	✓
	12.60	✓	✓	✓	✓	✓
	2017 R2	✗	✓	✓	✓	✓

### UFT GUI Testing QT Add-in

Recognition support for controls inherited from the QWidget class.

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Microsoft Visual Studio Compiler	4.60	✓	✓	✓	✓	✓
	4.80	✓	✓	✓	✓	✓
	5.30	✓	✓	✓	✓	✓
	5.90	✗	✗	✗	✓	✓
	5.10	✗	✗	✗	✗	✓
MinGW	4.60	✓	✓	✓	✓	✓
	4.80	✓	✓	✓	✓	✓

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
	5.30	✓	✓	✓	✓	✓
	5.90	✗	✗	✗	✓	✓
	5.10	✗	✗	✗	✗	✓

### UFT GUI Testing Stingray Add-in

#### MFC Stingray Object Grid/Object Toolkit version combinations

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
MFC 7.1	OG9.02-OT8.02 OG9.03-OT8.03	✓	✓	✓	✓	✓
MFC 8.0	OG10.0-OT9.0 OG11.0-OT10.0 OG12.0-OT11.0 OG12.0.1- OT11.0.1 OG12.0.4- OT11.0.4	✓	✓	✓	✓	✓
MFC 9.0	OG12.0-OT11.0 OG12.0.1- OT11.0.1 OG12.0.4- OT11.0.4 OG13.01- OT12.01	✓	✓	✓	✓	✓
MFC 10.0	OG12.0.4- OT11.0.4 OG13.01- OT12.01	✓	✓	✓	✓	✓
MFC 11.0	OG13.01- OT12.01	✓	✓	✓	✓	✓

#### Stingray controls

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
	WinTreeView	✓	✓	✓	✓	✓

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Stingray Controlls	WinTab	✓	✓	✓	✓	✓
	WinToolbar	✓	✓	✓	✓	✓
	WinTable	✓	✓	✓	✓	✓

### UFT GUI Testing Test Extensibility Add-in (TEA) – Visual Studio

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
TEA	2010, 2012, 2015	✓	✓	✓	✓	✓

### UFT GUI Testing VisualAge Add-in

#### VisualAge Smalltalk

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
VisualAge Smalltalk	6.0, 7.5, 8.0	✓	✓	✓	✓	✓
VAST Controls	EwIconArea	✓	✓	✓	✓	✓
	EwIconTree	✓	✓	✓	✓	✓
	EwIconList	✓	✓	✓	✓	✓
	EwFlowedIconList	✓	✓	✓	✓	✓
	EwTableList	✓	✓	✓	✓	✓
	EwTableTree	✓	✓	✓	✓	✓
	EwWINNotebook	✓	✓	✓	✓	✓
	EwPMNotebook	✓	✓	✓	✓	✓
	CwArrowButton	✓	✓	✓	✓	✓
	CwCheckBox	✓	✓	✓	✓	✓
	CwComboBox	✓	✓	✓	✓	✓
	CwPushButton	✓	✓	✓	✓	✓
	CwRadioButton	✓	✓	✓	✓	✓
	CwScale	✓	✓	✓	✓	✓
CwText	✓	✓	✓	✓	✓	



Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
EwSlider		✓	✓	✓	✓	✓
EwBasePage		✓	✓	✓	✓	✓
EwSpinButton		✓	✓	✓	✓	✓
EwSplitBar		✓	✓	✓	✓	✓

## UFT GUI Testing ActiveX Add In

### ActiveX controls

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Apex True DataBound Grid	5.00 , 6.00	✓	✓	✓	✓	✓
Apex True OLE DB Grid	6.00	✓	✓	✓	✓	✓
FarPoint Spreadhseet	2.50, 3.00, 3.50, 6.00, 8.00	✓	✓	✓	✓	✓
FarPoint Spreadsheet (OLEDB)	3.00, 3.50, 6.00 7.00, 7.0 (UNICODE), 8.00	✓	✓	✓	✓	✓
Microsoft DataBound Grid	5.00	✓	✓	✓	✓	✓
Microsoft Flex Grid	6.00	✓	✓	✓	✓	✓
Microsoft Grid	1.00	✓	✓	✓	✓	✓
Sheridan Data Grid	2.00	✓	✓	✓	✓	✓

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Sheridan Data Grid	3.10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tidestone FormulaOne Grid	6.x	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## UFT GUI Testing Terminal Emulator Add-in

### Supported Protocols





















Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Protocols	3270 * (HLLAPI)	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *
	5250 (HLLAPI)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	VT100 ( text recognition)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

\*Support for 3270 is highlighted specifically for each TE in the section below
















### Supported Terminal Emulators

Product	Version	UFT14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Microfocus Attachmate Extra	9.0, 9.1, 9.2, 9.3, 9.3.1(2612)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	9.4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OpenText Hummingbird HostExplorer	10.00, 2007 (12), 14 (64bit)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	15 (32bit, 64bit)	<input checked="" type="checkbox"/> (3270)	<input checked="" type="checkbox"/> (3270)	<input checked="" type="checkbox"/> (3270)	<input checked="" type="checkbox"/> (3270)	<input checked="" type="checkbox"/>
IBM Client Access	3.20, 5.10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
IBM Personal Communications (PCOM)	5.0, 5.6, 5.7, 5.9, 6.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Product	Version	UFT14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
	12.00	✓	✓	✓	✓	✓
IBM WebSphere Host on Demand	8.00, 10.00	✓	✓	✓	✓	✓
	11.00	✓	✓	✓	✓	✓
	12.00	✗	✗	✗	✗	✓
	8.1,8.2, 9.3, 9.4	✓	✓	✓	✓	✓
Microfocus Rumba+	9.5	✗	✓	✓	✓	✓
	6.1, 6.2, 6.70	✓	✓	✓	✓	✓
Microfocus OnWeb Web-to-Host	6.80	✓	✓	✓	✓	✓
	2004.00	✓	✓	✓	✓	✓
Zephyr Passport PC TO HOST & WEB TO HOST	2007.00	✓	✓	✓	✓	✓
	3.20 , 4.00, 5.00	✓	✓	✓	✓	✓
Seagull BlueZone (3270)	6.X	✓	✓	✓	✓	✓
	Rocket BlueZone	7.1	✗	✗	✗	✗
Attachmate WRQ Reflection	8.00 – 12.00, 14.00	✓	✓	✓	✓	✓
	2007.00 , 2014.00	✓ (SP1+)	✓ (SP1+)	✓ (SP1+)	✓ (SP1+)	✓ (SP1+)
	16.00	✓ (3270)	✓ (3270)	✓ (3270)	✓ (3270)	✓ (3270)
Attachmate	12.00	✓ (text only)	✓ (text only)	✓ (text only)	✓ (text only)	✓ (text only)

Product	Version	UFT14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
WRQ Reflection for UNIX and OpenVMS	14.00, 14.1	 (text only)	 (text only)	 (text only)	 (text only)	 (text only)
HP Teem Talk	7.20					
Putty	Any					
TCPLink	3.50-01	 (3270)	 (3270)	 (3270)	 (3270)	 (3270)






## UFT GUI Testing Mobile Add-in Applications

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Mobile Applications *	Android					
	iOS					
	Windows					











\*For more details about Mobile OS and Mobile Application, please check Mobile Center Product Availability Matrix documentation or Online Help

## UFT API Testing Technologies

### Docker

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Docker						

### Web Services

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
WSDL	1.10					
	2.00					

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
SOAP	1.10	✓	✓	✓	✓	✓
	1.20	✓	✓	✓	✓	✓
Attachments	MIME	✓	✓	✓	✓	✓
	DIME	✓	✓	✓	✓	✓
WS-I	2.00	✗	✗	✗	✗	✗
UDDI	3.x	✗	✗	✗	✗	✗
WADL		✓	✓	✓	✓	✓
Swagger	2.00	✓	✓	✓	✓	✓
OData		✓	✓	✓	✓	✓
MQTT		✓	✓	✓	✓	✓

### HTTP

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
HTTP	1.00	✓	✓	✓	✓	✓
	1.10	✓	✓	✓	✓	✓

### JSON











Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
JSON		✓	✓	✓	✓	✓

### SAP

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
SAP .Net Connector	3.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OData for SAP HANA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>









































### Security

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Web Services Security tokens	X509	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	UserName	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Kerberos, Kerberos2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SAML1.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SAML2.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	JKS Certificate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Web Services WCF Security	CustomBinding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	HTTPBinding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Federation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Web Services WS - Addressing	1.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	04/08	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	04/03	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SSL	3.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TLS	1.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>





















Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
	1.1	 *	 *	 *	 *	
	1.2	 *	 *	 *	 *	

\*Need to set code in event handler to configure TLS

### Messaging Services

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
JMS - interfaces	1.0.2b					
	1.10					
JMS - Servers	WebLogic Platform 8.1					
	ActiveMQ 5.3.0					
	Tibco 6.0					
	Tibco 8.x					
IBM Web Sphere	7.00, 7.10, 7.50					
	8.00, 9.00					

### XML Technologies

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
XML	1.00, 1.10					
XSD	1.00					
	1.10					
Xpath	1.00					

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
	2.00	✗	✗	✗	✗	✗

### Microsoft

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
.NET	4.00	✓	✓	✓	✓	✓
Office	2013	✓	✓	✓	✓	✓

### Activity Wizard

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Viisual Studio	2010 and lower	✗	✗	✗	✗	✗
	2012.00	✓	✓	✓	✓	✓
Web Sockets		✓	✓	✓	✓	✓

### Network Capture

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
HAR		✓	✓	✓	✓	✓
tcpdump/libpcap		✓	✓	✓	✓	✓



### Databases

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
Microsoft SQL Server	Any (support through ODBC / OLEDB driver)	✓	✓	✓	✓	✓
Oracle	Any (support through ODBC / OLEDB driver)	✓	✓	✓	✓	✓
My SQL	Any (support through ODBC / OLEDB driver)	✓	✓	✓	✓	✓
Drivers	ODBC	✓	✓	✓	✓	✓

### Network

Product	Version	UFT 14.00	UFT 14.01	UFT 14.02	UFT 14.03	UFT 14.50
FTP		✓	✓	✓	✓	✓
FTPS		✓	✓	✓	✓	✓
SFTP		✗	✗	✗	✗	✗

## Send Us Feedback

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