

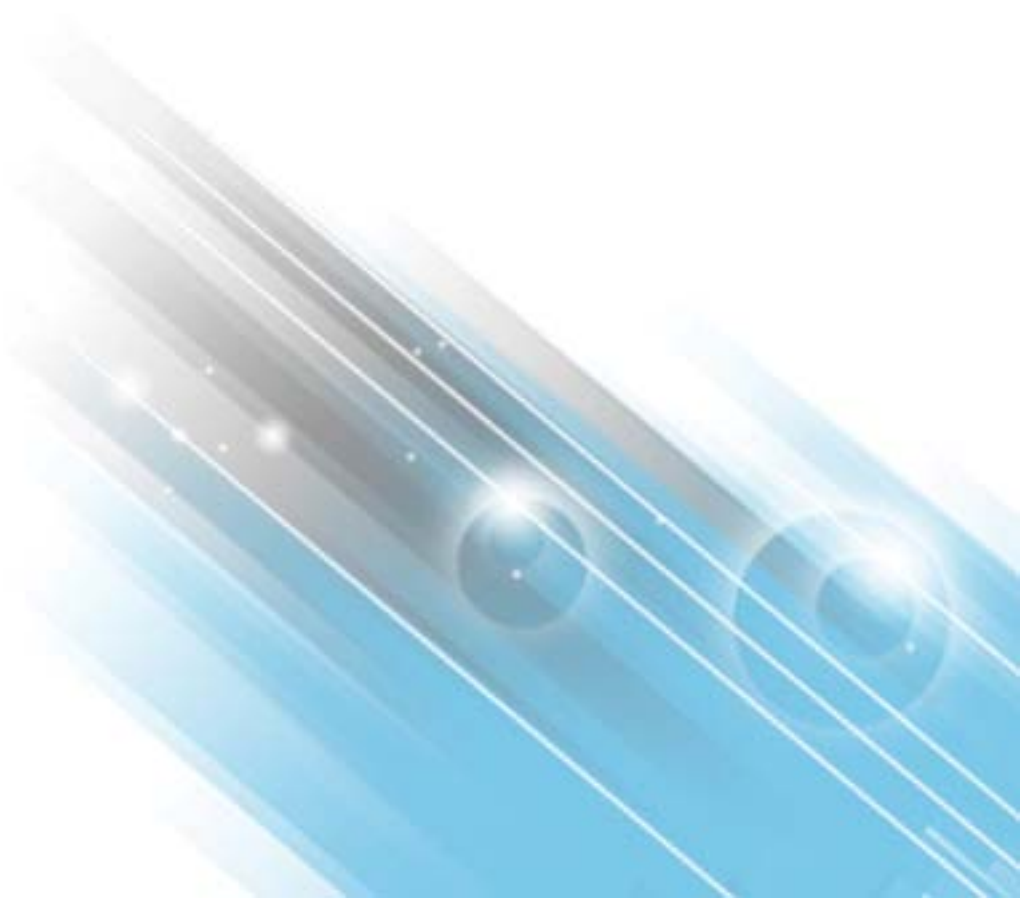


HP LoadRunner

Software Version: 12.50

Product Availability Matrix

Document Release Date: October 2015
Software Release Date: August 2015



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LoadRunner Virtual User Generator (VuGen) Protocol Support											
Protocol	Program	Supported Versions	Supported Servers	Native 64bit Client Recording	IPv6 Support	HP NV (Shunra) 12.50 Support	IP Spoofing Support	Speed Emulation Support	Load Generator OS	Multi-protocol	Comments
Remote-based protocols (start)											
Citrix ICA	Receiver for Windows	12.x 13.x 14.x 14.1.200	Citrix XenApp 5.5, 5.6, 6.0, 6.5, 7.0,7.5 Citrix XenDesktop 7.0 Citrix XenDesktop 7.5 Citrix XenDesktop 7.6 Citrix Access Gateway (with Receiver 13.x and above)	N	Y	Y*	N	N	Any supported Windows OS	Y	Citrix Agent supports XenApp and XenDesktop servers *HP NV only supports LoadGenerator mode
RDP (Remote Desktop Protocol)	RDP	7 7.1 8.1 8.1	Windows 2008 Standard/R2 Windows 7 32/64bit Windows 8/8.1 Windows 2012 Standard/R2	Y	Y	Y	Y	N	Any supported Windows OS	Y	
RTE (Remote Terminal Emulator)	PowerTerm for HP (built-in version with LoadRunner). Supported modes: 3270, 5250, VTxxx	9.1 9.2 10.2	N/A	N	Y	Y	N	N	Any supported Windows OS	N	
Remote-based protocols (end)											
GUI-based protocols (start)											
Ajax - Click and Script	Internet Explorer	IE 8, 9		N	Y	Y	Y	Y	Windows 7 64bit Windows 7 32bit Windows Server 2008 R2 64bit	Y	Ajax - Click and Script protocol is only supported on IE9 or lower. Since Windows 8.1/Windows 2012 R2 only support IE11, Click and Script technology cannot run on these operating systems. For limitations on IE9, see the Readme file.
SAP - Click and Script	Internet Explorer	IE 8, 9	N/A	N	Y	Y	Y	Y	Windows 7 64bit Windows 7 32bit Windows Server 2008 R2 64bit	Y	SAP - Click and Script protocol is supported for up to IE9 only. As Windows 8.1/Windows 2012 R2 only support IE11, Click and Script technology cannot run on these operating systems. For limitations on IE9, see the Readme file.
SAP GUI	SAPGUI	6.4 7.1 7.2 7.3	SAP R/3 4.60c ECC 5.0 (ERP 2004) SAP HANA Edition 6.0 (ERP 2005)	N	N	Y	Y	Y	Any supported Windows OS	Y	Recommended: Use the most recent SAPGUI patch



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TruClient - Web	Mozilla Firefox	Built-in 37.02	N/A	N/A	Y	Y	Y (only IE9/IE10)	Y	Any supported Windows OS*	N	Chromium- tested on Ver. 41 Firefox 36.0.4-37.02 *Chromium is only supported on 64bit OSs (Win 7 32bit is not supported).
	MS Internet Explorer	IE 9,10,11									
	Chromium	39.0									
TruClient - Mobile Web	Firefox	Built-in 37.02	N/A	N	Y	Y	Y	Y	Any supported Windows OS	N	Based on TruClient - Web Firefox
TruClient - Native Mobile	Firefox	Built-in 37.02	HP Mobile Center 1.1	N/A	N/A	Y (supported through Mobile Center server)	N/A	N/A	Any supported Windows OS	N	HP Mobile Center is required for this protocol. Physical devices are necessary to record and replay scripts (only Android and iOS devices are supported).
GUI-based protocols (end)											
Add-in based protocols (start)											
C++.NET Template (Visual Studio Add-in)	MS Visual Studio	2010 2012	N/A	N/A	N/A	Y	Y	Y	Any supported Windows OS	N	Visual Studio add-in Cannot replay with limited user, administrator privileges are needed.
C#.NET Template (Visual Studio Add-in)	MS Visual Studio	2010 2012	N/A	N/A	N/A	Y	Y	Y	Any supported Windows OS	N	Visual Studio add-in Cannot replay with limited user, administrator privileges are needed.
VB.NET Template (Visual Studio Add-in)	MS Visual Studio	2010 2012	N/A	N/A	N/A	Y	Y	Y	Any supported Windows OS	N	Visual Studio add-in Cannot replay with limited user, administrator privileges are needed.
Java Vuser for Continuous Delivery (Eclipse Add-in for Developers)	Eclipse IDE	Latest	N/A	N/A	N/A	Y	N/A	N/A	Any supported Windows OS	N	Tested on Eclipse Luna Eclipse add-in
Unit Test based on .NET (Visual Studio Add-in for Developers)	MS Visual Studio	2010 2012	N/A	N/A	N/A	Y	N/A	N/A	Any supported Windows OS	N	Visual Studio add-in
Custom Protocols developed with Protocol SDK	Vendor dependent	Visual Studio 2012	Vendor dependent	Vendor dependent	Vendor dependent	Y	Vendor dependent	N	Vendor dependent	N	
Add-in based protocols (end)											



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Web-based protocols (start)											
Flex	Same Internet Explorer support as in Web HTTP/HTML	Flex SDK 4.6 AMFO AMF3 RTMPT RTMP, RTMPS	LCDS 3.1 BlazeDS 4 FMS3 FMS4 GraniteDS 2.2	N	Y	Y	Y	Y	Any supported Windows OS	Y	
Mobile Application - HTTP/HTML	Emulators	Android	N/A	N	Y	Y	Y	Y	Any supported OS	Y	Android: Not bundled with LoadRunner. Install latest version of Android
	PCAP	libpcap		N/A							WinPcap: Not bundled with LoadRunner. Install the tested version of WinPcap (4.1.3)
	Network Sniffer	WinPcap 4.1.3 Wireshark 1.12.x Fiddler 4.5.x		N/A							
Oracle NCA	Oracle Applications	Jinitiator 1.3.1.18 Jinitiator 1.1.8.16	Forms 4.5.10.8 Forms 6i Forms 9i Forms 10.1 Forms 11.1	Y	Y	Y	Y	Y	Any supported OS	Y	To work with Oracle client, install one of the following JVMs: JRE 5/JDK 5 JRE 6/JDK 6 JRE 7/JDK 7
Oracle - Web	Internet Explorer	IE 8, 9, 10, 11	N/A		Y	Y	Y	Y	Any supported OS	Y	To work with Oracle client, install one of the following JVMs: JRE 5/JDK 5 JRE 6/JDK 6 JRE 7/JDK 7
	Oracle Applications	Jinitiator 1.3.1.18 Jinitiator 1.1.8.16	Forms 4.5.10.8 Forms 6i Forms 9i Forms 10.1 Forms 11.1	Y							
SAP - Web		Same as Web - HTTP/HTML protocol	N/A	Y	Y	Y	Y	Y	Any supported OS	Y	
Siebel - Web	Oracle (Siebel) CRM	N/A	7.5.2 7.5.3 7.7 7.8 8 8.1 8.2.2 (OpenUI)	N	Y	Y	Y	Y	Any supported OS	Y	
Silverlight	Silverlight	5, 5.1	5, 5.1	N	Y	Y	Y	Y	Any supported Windows OS	Y	Supported Communication: SOAP (Text, Binary) and REST Security: SSL, Username over Transport
Web - HTTP/HTML	Internet Explorer	IE 9, 10, 11	N/A	Y	Y	Y	Y	Y	Any supported OS	Y	Latest supported versions GWT DFE: GWT 2.5.1 and Java 1.7 Proxy recording: Support for TLS 1.1/1.2 SPDY/3,SPDY/3.1
	Google Chrome	latest		N							
	Firefox	latest		N							



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Web Services		Internet Explorer Google Chrome Firefox	WSDL 1.0/1.1 SOAP 1.1/1.2 WCF UDDI 2/3 WS-Security 1.0/1.1 Attachments: Dime/Mime/MTOM/ Base64Binary JMS	Y	Y	Y	Y	Y	Any supported Windows OS	Y	Supported SOAP features: WS HTTP-binding, Net TCP Binding, Named Piped, Basic HTTP Binding and various custom binding, Federation scenarios, WS-SecureConversation, WS-ReliableMessaging, WS-Addressing, Username Token, X509 Certificate Token, Kerberos Token, Message signature, Message encryption
Web-based protocols (end)											
.NET/Java-based protocols (start)											
.NET	.NET Framework	2 3.0 3.5* 3.5 SP1* 4* 4.5*		Y**	N/A	Y	N	Y	Any supported Windows OS	N	* Supported on backward compatibility level ** AUTs compiled in "AnyCPU" mode only
Java Record Replay	Oracle JDK (32bit)	1.6.x 1.7.x	WebLogic 11.x Generic	N	N	Y*	N	N	Any supported Windows OS	N	For JMS supported JDK v1.6u32 or lower, JVM 64bit recording is not supported. *HP NV only supports Load Generator mode
Java over HTTP	Oracle JDK (32bit)	1.6.x 1.7.x	Browsers support: IE and Firefox same as in Web HTTP/HTML	Y	Y	Y	Y	Y	Any supported Windows OS	N	1. Oracle 64bit JRE supported for recording only 2. Remote Proxy recording is not supported for Firefox 38 and above
Java Vuser	Oracle Java (32bit)	N/A	N/A	N/A	N/A	Y*	N	N	Any supported Windows OS	N	*HP NV only supports Load Generator mode
.NET/Java-based protocols (end)											



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Mail-based protocols (start)											
IMAP (Internet Messaging)	N/A	N/A	N/A	N	Y	Y	Y	Y	Any supported OS	Y	
MAPI (Microsoft Exchange)	Outlook	2007 2010	N/A	N/A	N/A	Y*	N	N	Any supported Windows OS	N	*HP NV only supports Load Generator mode
POP3 (Post Office Protocol)	N/A	N/A	N/A	N	Y	Y	Y	Y	Any supported OS	Y	POP3S: SSL support
SMTP (Simple Mail Protocol)	N/A	4.x	N/A	N	Y	Y	Y	Y	Any supported OS	Y	SMTPS: SSL support
Mail-based protocols (end)											
Database-based protocols (start)											
ODBC	ODBC			N	N	Y	N	Y	Any supported OS	Y	
Oracle - 2 Tier	Oracle	9.2	9.2	Y	N	Y	N	Y	Any supported OS	Y	
		10G	10G								
		11G	11G								
		11G R2	11G R2								
Database-based protocols (end)											



LoadRunner Virtual User Generator (VuGen) Protocol Support											
Protocol	Program	Supported Versions	Supported Servers	Native 64bit Client Recording	IPv6 Support	HP NV (Shunra) 12.50 Support	IP Spoofing Support	Speed Emulation Support	Load Generator OS	Multi-protocol	Comments
Non-Web-based protocols (start)											
COM/DCOM	N/A	N/A	N/A	N	N	N	N	N	Any supported Windows OS	Y	
C Vuser	N/A	N/A	N/A	N/A	N/A	Y	Y	N	Any supported OS	N	Replay only
DNS (Domain Name Resolution)	N/A	N/A	N/A	N	Y	Y	Y	N	Any supported OS	N	Replay only
FTP (File Transfer Protocol)				N	Y	Y	Y	Y	Any supported OS	Y	FTPS supported only in passive mode
LDAP (Listing Directory Service)	Based on Microsoft API	Based on Mozilla API	(Oracle) Sun ONE 5.2 Oracle DS 11	Y	N	Y	N	Y	Any supported OS	Y	
MMS Media Player	WM SDK	9 10 12	9 10	N/A	N	Y	N	Y	Any supported Windows OS	N	Replay only
MMS (Multimedia Messaging Service)	MMS	N/A	N/A	N/A	N	N	N	N	Any supported Windows OS	Y	Replay only
Windows Sockets	Winsock	2.x	N/A	Y	Y	Y	Y	Y	Any supported OS	Y	
Non-Web-based protocols (end)											
3rd-party-based protocols (start)											
SMP (SAP Mobile Platform)		2.3		N/A	N/A	Y	Y	N	Any supported Windows OS	N	Same as .NET protocol support
MQTester (Client and Server)	Websphere MQ	Contact OpenText	Contact OpenText	N	N	N	N	N	Any supported Windows OS	N	https://hpln.hp.com/contentoffering/mqtester-hp-loadrunner1
3rd-party-based protocols (end)											



LoadRunner Support on Windows Operating Systems

Operating System	Supported Edition or SP	Virtual User Generator	Controller	Load Generator	MI Listener	Analysis	Supported Tier
Windows 7 64bit	SP1	Yes	Yes	Yes	Yes	Yes	Supported
Windows 7 32bit	SP1	Yes	Yes	Yes	Yes	Yes	Supported
Windows 8.1 64bit		Yes	Yes	Yes	Yes	Yes	Recommended
Windows Server 2008 R2 64bit	SP1	Yes	Yes	Yes	Yes	Yes	Supported
Windows Server 2012 R2 64bit		Yes	Yes	Yes	Yes	Yes	Recommended

LoadRunner Support on non-Windows Operating Systems

Operating System	Supported Edition or SP	Virtual User Generator	Controller	Load Generator	MI Listener	Analysis	Supported Tier
Oracle Enterprise Linux 64bit	6.5 UEK	No	No	Yes	No	No	Supported
Oracle Enterprise Linux 64bit	7	No	No	Yes	No	No	Supported
Red Hat Enterprise Linux 32bit	6.5	No	No	Yes	No	No	Supported
Red Hat Enterprise Linux 64bit	6.5	No	No	Yes	No	No	Recommended
Red Hat Enterprise Linux 64bit	7	No	No	Yes	No	No	Recommended
SUSE Linux Enterprise Server(SLES) 64bit	11.3 (SP3)	No	No	Yes	No	No	Supported
Ubuntu Server Linux 64bit	12.04 LTS	No	No	Yes	No	No	Recommended
Ubuntu Server Linux 64bit	14.04 LTS	No	No	Yes	No	No	Supported



Analysis Database Types

Supported DB Type	Supported Version
MS Access	2010, 2013
MS SQL	2008 R2, 2012
SQLite	3



LoadRunner Compatibility with HP Solutions

Supported Solutions	IPv6 Support	Supported Versions
HP Service Virtualization	N	Click here to view supported product versions online
HP SiteScope	Y	
HP Application Lifecycle Management (ALM)	Y	
HP Diagnostics	N	
HP Unified Functional Testing (UFT)	N/A	
HP Network Virtualization	N/A	
HP Mobile Center 1.1	N/A	

LoadRunner Compatibility with non-HP Solutions

LoadRunner Area/Protocol	Supported Products	Supported Versions
.NET protocol, VuGen	MS Visual Studio	2010, 2012
Java protocols, VuGen	Eclipse	Luna/Juno/Kepler
DevOps and Continuous Delivery, Controller	MS Visual Studio	2010, 2012, Nunit 2.6.2 - 2.6.4
DevOps and Continuous Delivery, Controller	Eclipse	Luna/Juno/Kepler 32bit, JUnit 4.8.2 and above, Selenium 2.24.1 - 2.46.0 and above Java 1.7 32bit supported only by DevOps Add-in
DevOps and Continuous Delivery, Controller	Jenkins	1.602



LoadRunner Component Coexistence							
First installation / Second installation	LR Full	VuGen SA	Analysis SA	LG SA	MoFW	MI Listener	TruClient SA
LR Full		X	X	X	X	X	X
VuGen SA	X		V	X	X	X	X
Analysis SA	X	V		X	X	X	V
LG SA	X	X	X		X	X	X
MoFW	X	X	X	X		X	X
MI Listener	X	X	X	X	X		X
TruClient SA	X	X	V	X	X	X	

Legend
X - coexistence is blocked
V - coexistence is allowed