DevTest Solutions

Release Information
Version 8.0

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Chapter 1: 8.0 Release Notes

Release Date: 2014 December

8.0 Enhancements

8.0 CA Application Test Enhancements

Case	Title	Description	Updates to User Documentation
81943	Allow Enterprise Dashboard to use external databases	The Enterprise Dashboard can now use Oracle, MySQL, and Microsoft SQL Server databases.	Updated the following topics: Database System Requirements External Database Configuration
102320	Set Up An Aggregate Step companion does not produce metrics	Limited use of the Aggregate Step companion to one for each test case. All steps in an Aggregate Step companion are now marked as Quiet. If a subprocess is marked as Quiet, all subprocesses it calls are marked as Quiet.	Updated the following topics: Building Subprocesses Set Up an Aggregate Step Companion
105259	Add a Send Email test step	Added a Send Email test step for SMTP mail servers.	Added the following topic: Send Email

107480	Enable ACL as default	ACL is now enabled and cannot be disabled.	Updated the following topics: Access Control (ACL) CVS Manager DCM Properties Example DCM General Properties Examples Project Manage Users and Roles Open the DevTest Console ServiceManager Options Standard Permissions Standard User Types and Standard Roles Standard Users Tutorial 1 - Step 1 - Start DevTest Workstation Use Resource Groups to Control Access Use VSE Manager vCloud Director Properties View User Information from DevTest Workstation

107511	Create Test, Manage Test, and Monitor Test in DevTest Portal	Added the ability to create, manage, and monitor tests through a web interface.	Added the following topics: Create an API Test Create a Test by Importing R/R Pairs from a Test Create a Test by Importing R/R Pairs from a File Create a Test Manually Edit an API Test Manage Test Artifacts Manage API Tests Manage Tests Manage Test Suites Monitor Tests Filter Tests and Suites Monitor Tests and Suites Display Details of Tests and Suites Display Details of Assertions, Filters, Data Sets, and Companions
114104	Enhance ease of use when using multiple browsers to run Selenium steps	Added new properties to make it easier to switch between browsers when running Selenium steps.	Updated the following topics: Selenium Integration Properties Run a Selenium Integration Test on Chrome (Local) Run a Selenium Integration Test on Microsoft Internet Explorer (Local)
114115, 21779203	DevTest modifies signed element	WSS4J code has been modified in wss4j-1.5.4-itko.jar in order to implement an Apache bug fix ([WSS-492] - WSS4J adds invalid wsu:Id attribute on SAML assertions). Also, Web Service Execution (XML) step has been modified by adding "Digest Algorithm" combo box for SAML Assertion Token (in the Security tab).	Updated the following topic: SAML Assertion Token-SAML Assertion Receipt
115628	Add a Copybook filter	Added a Copybook filter.	Added the following topic: Copybook Filter

117245	Add an Email Connection asset	Added an asset to provide connection information to the SMTP mail server for the Send Email step.	Added the following topic: Email Connection Asset
117653, 21801743	Oracle Performance Report	Fixed an issue with performance data not being generated on Oracle under particular circumstances.	
124100	Correct behavior of LISA_PROJ_ROOT and create new property for relative project root	Added new properties for use in subprocesses: LISA_RELATIVE_PROJ_NAME, LISA_RELATIVE_PROJ_PATH, LISA_RELATIVE_PROJ_ROOT, and LISA_RELATIVE_PROJ_URL.	Added the following topic: 7.5 to 8.0 Subprocess Migration Updated the following topics: Common Properties and Environment Variables XML Data Set
125704	Allow export of Selenium test case to a JSON script	Added the ability to export a Selenium test case.	Added the following topic: Export a Selenium Test Case to a JSON Script Updated the following topics: Import a Selenium Builder JSON into DevTest Test Case Toolbar Selenium Integration Steps
123323	Selenium Import/Export button should be under Add Step, not Recording	Added an Import JSON Script button on the test case toolbar, and an option to import JSON script on the Add Step menu.	Updated the following topics: Import a Selenium Builder JSON into DevTest Test Case Toolbar Selenium Integration Steps
125435, 21836583	Properties are setting twice for assertions in 7.5.1	Corrected an issue where properties could be set twice for assertions.	
130174, 21860397	SSL access to console	Corrected an issue where the Reporting Console was using HTTP, even though HTTP/S was enabled.	
130948, 21865966	ACL errors in registry.log	Corrected an issue that created ACL errors in the registry.log when updating a permission.	

131911, 21865532	Test Runner utility issues	Fixed an issue when running a test using TestRunner.exe with the "-a" option. If the test contained a JDBC step to access a database that is a different type of database than the one used by the Registry, there was a chance that the TestRunner.exe would hang and cause an infinite loop.	
142453	"Performance data not available" message may be misleading	Message updated to give more useful information.	
142724, 21882098	Raw SOAP SSL resume	Default value of the **lisa.ssl.reuse.session** property was corrected.	
142322	Remove the Pathfinder tab from the ITR	The Pathfinder tab has been removed from the ITR. This functionality is available in the DevTest Portal.	Updated the following topic: View in ITR
149352	Remove extra spaces at the end of line in the local.properties file	Updated documentation to recommend using WordPad to edit properties files. Added a property, **lisa.trim.properties**, to trim white spaces from the local.property file.	Updated the following topic: Specify a Property
152751	JSON filter and assertions	Added a JSON filter to let you extract a JSON attribute value from a JSON object and save it to a property. Added an assertion to let you ensure that a JSON Path result contains any or all of the values in a specified list. Added an assertion to let you ensure that a JSON Path result is equal to an expected value. Added an assertion to let you ensure that results conform to a specified JSON schema.	Added the following topics: JSON Path Filter Ensure Result Equals Ensure Result Contains String Ensure JSON Schema
153698, 21892017	Once proxy is used, it is never cleared	Fixed issues with test cases that use a mix of requests, some of which require the use of a proxy and others that are on the non-proxy hosts list.	

153916, 21891956	NTLM authentication issue when running Selenium test step	Properties **lisa.http.webProxy.nonProxyHosts** and **lisa.http.webProxy.ssl.nonProxyHosts** now exclude 127.0.0.1 by default. This ensures that playback of Selenium test steps does not require proxy authentication.	Updated the following topic: HTTP Proxy Server Properties
169665	JMS Test/VSE message consumer improvements	Added the Prepare Only check box to the JMS Send Receive step. If the check box is selected, the step prepares the JMS consumer but does not wait to receive the first message from it.	
170885	Need a way to set timeout values for DevTest Portal	Updated property **registry.max.user.lifetime.seconds** to set timeout value for the DevTest Portal.	Updated the following topic: User Session Lifetime Properties
170886, 21900254	Selenium Firefox issue	Upgraded Selenium from version 2.39.0 to 2.43.1. This change is required for any Selenium user with Firefox 32 and up.	
171106, 21926004	LISA Console issue	Removed unnecessary call to google.com/jsapi library.	
171210, 21929496	Selenium alert exception	Added support in the Selenium step to provide responses to Selenium alert dialogs.	Updated the following topic: Import a Selenium Builder JSON into DevTest
171218, 21931176	HTTP step issues	Fixed an issue displaying a path containing parameters in an HTTP/HTML Request step.	
175374, 21928703	SSL reporting portal error	Fixed an issue with SSL credential error in the reporting portal.	
175918, 21940389	FTP step not working	The FTP client has been set with CRLF marker instead of environment default in order to make FTP step work with UNIX-type environments.	

176157	Provide scripting (JSR-223) support	Added support for JSR-223 scripting languages in a test step to replace the Java Script step, in the Scripted Assertion, the Match Script editor, and the Scriptable Data Protocol.	Updated the following topics: Java Script Step Miscellaneous Properties Scripted Assertion Match Script Editor Scriptable Data Protocol Examples Project Added the following topics: Execute Script (JSR-223) Step Enabling Additional Scripting Languages
188649	Add support for customization of Selenium Web Driver connection	Added a property and a configuration file to support customizing the Selenium Web Driver connection.	Updated the following topics: Selenium Integration Properties Examples Project Added the following topic: Set Advanced Options on the Selenium Web Server
189802, 21962355	Testrunner Results Wrong	Changed TestRunner, so now the result at the end will match the result in the reporting console page.	
189803, 21963294	WSDL parsing error	Made fix to prevent WSDL files from being locked during deletion.	
190120, 21957904	Phantom requests in reports	Fix has been made to prevent raising an extra event in the test that uses a data set.	
190706, 21969537	Content type issue - REST client	When setting the content type in a rest step with a property, the Content-Type header appears as {{propertyName}} rather than the value of the property. This has been fixed.	
191160, 21969606	Unstable Workstation UI	Added check to prevent ArrayIndexOutOfBoundsException during test.	

191183	Asset errors	Added workaround in assets for a configuration file path bug when staged between a coordinator and a simulator on different operating systems.	
191691	Errors generated when run UI_WebBrowser_SimulateFirefox in ITR	Changed the default value of the Enable CA CAI field from true to false in the ITR utility. This field was formerly called Enable LISA Pathfinder.	Updated the following topic: ITR Settings Tab
193162	Possible suite/test case staging inconsistencies	Disabled UI metrics filtering for load tests. Changed the threshold of virtual users from 20 to 150 to trigger load test mode. Added an event to show that the application automatically moved to load test mode. Disabled change to load test mode when the Default Report Generator is selected.	Updated the following topics: Assumption of Load Testing Default Report Generator Events Events Tab - Test Case Events Tab - Quick Test

8.0 CA Service Virtualization Enhancements

Case	Title	Description	Updates to User Documentation
68569	New Virtual Service Image recorder	Added a web-based virtual service recorder for recording HTTP/S websites	Added the following topics: Create a Virtual Service Record a Website (HTTP or HTTP/S) CA Service Virtualization and SSL Configure a Virtual Service Save a Virtual Service
89902	Opaque Data Processing (ODP)	Added information about what ODP is and how to start it.	Added the following topic: Opaque Data Processing
94972	Think time companions	Added two VSE companions: the Batch Response Think Time companion and the Recurring Period Think Time companion.	Added the following topics: Batch Response Think Time Companion Recurring Period Think Time Companion

100147, 21693856	Enable Request Logging	Some trace-level logging messages were added to reveal the requests and responses in the vse.log for HTTP-based traffic. This is especially useful for debugging a virtual service, when the "no match found" response is returned, indicating the VS may not have received the request that was expected.	Updated the following topics: logging.properties VSE Properties
107145	New Service Image Editor	Created a new web-based version of the Service Image Editor.	Added the following section: Editing Virtual Services
113526	VSEasy - Add support for Grouping / Automatic	Added support for virtual service groups to VSEasy.	Updated the following topic: Create and Deploy a Virtual Service with VSEasy
116041, 21792402	Cannot edit JSON response	If you changed the payload editor to text and made changes, the changes would not transfer when you moved to the original editor type. We added a warning when changing between incompatible payload types. If you select yes, the payload editor will change and there will be no data in the editor. If you select no, the editor will not change.	
116042, 21784399	Edit argument values direct	In a Service Image request field carriage returns/line feeds are being replaced with OS specific carriage returns/line feeds. Also, when a Service Image is loaded (either while deployed or already loaded) request arguments are stripped of carriage returns and line feeds, superfluous white space, and leading and trailing whitespace.	
123365	Removing exclusive read lock from proxy request queue in MQ recorder	Removed the exclusive read option on the proxy request queue from the WebSphere MQ recorder. Added handling for MQ reason code 2046 when opening output queues with context setting flags.	
125227, 21836278	Multiple MQ VSE responses not parsing	Fixed messaging VSE filter/assertion so that the DPH filters run against only one response at a time.	

125979, 21839165	Registry.log filling up	Fixed the issue by downgrading the log level from info to trace.	
126059, 21839614	Quick Start error	Fixed truncation of service target port.	
126372, 21839188	Virtual service issue	VSE will detect the Expect 100-continue scenario and if no match is found in the VSI for the first part of the 100-continue transaction, then VSE will respond with a generic 100 continue (instead of a "No match found" response). The client will then proceed with the second part of the 100-continue transaction by sending us the request body and we'll do our matching then.	
127690, 21848005	Content detector issues	Fixed REST content detector to handle embedded hostnames.	
128285	Removing dependency on VSE Request Operation Name for determining the request channel name	JMS VSE: Use a metadata property instead of the VSE Operation Name for determining the request channel. Changed the name of the response metadata property to **channel.name** to match. This change is backwards compatible with older service images.	Updated the following topic: Service Images for JMS Transport Protocol
128465	Not building transactions correctly from MQ Native Agent	Fixed CAI MQ baseline/VSE builder's detection of GETs and PUTs.	
128707, 21848198	VSE size exceeded exception	Fixed memory leak when doing an extended VSE recording.	
128710, 21852961	Image recording using JSON	Fixed a bug that prevented JSON request/response pairs with signed number fields from being imported into a virtual service image.	
129028, 21855725	VSE companion security issue	The Observed System VSE Companion using Wily Source now encrypts the password field. To trigger the encryption of the password in existing tests, reopen the test and save it; the password will be encrypted during the save.	
129566, 21851177	Companion integration error	Enhanced the Metrics RegEx capabilities on the Observed System VSE Companion.	

129745, 21853817	Memory leak	Updated BeanShell to 2.1.8.	
130849, 21856275	JDBC virtual service - agents	When a VSE using Java protocol is redeployed, if Java agents were added or removed from the Java Listen step, the new list of agents was not always honored on redeploy. For example, if an agent was removed from the list, after redeploying the VS, the removed agent was still in play instead of being ignored. This bug has been addressed. The Java Protocol companion is now deprecated. Existing Java Protocol companions will work as they have in the past.	Removed the following topic: Java Protocol Companion
131213, 21865102	DevTest not closing TCP/IP sessions	Fixed DevTest not completely closing TCP/IP sessions.	
131901, 21858907	Issues with Forced Delay	Added documentation on Forced Delay.	Updated the following topic: Forced Delay
132366, 21868332	Enhance documentation for concurrent capacity for virtual services	Added more explanation for the Concurrent Capacity field when running a virtual service.	Updated the following topic: Deploy and Run a Virtual Service
131933	Issue fetching metrics from APM in Observed System Companion	Fixed a bug related to third-party axis invocations that inadvertently invoked GUI code and failed to set serialization defaults correctly.	
132822, 21871743	DevTest not able to parse request	Added a fix to remove byte order marks from request/response pairs. This is only applicable to text-based request/response pairs (SOAP, JSON, XML) not to binary files.	
141407, 21873539	IMS Connect transport protocol defect	Two new Boolean properties were added to the IMS Connect protocol to allow the payloads to include or exclude the 4 byte IMS Connect LLZZ length field. A value of **true** includes the LLZZ field while a value of **false** excludes it. Both properties default to **false**.	Updated the following topics: VSE Properties Record IMS Connect Service Images
142544	VSI from HTTP issue	Made HTTP POST parameters work with non-UTF-8 charsets when creating a VSI from HTTP request/response pairs.	

142720, 21881054	Fields in VRS file blank	When making a VSE recording, the parameters of the recording can be saved to a VRS file. For the TCP protocol, two of those parameters are the request and response delimiters. When setting up a new TCP recording by reading one of these VRS files, the VSE Recording wizard was not being updated with the request and response delimiters found in the VRS file. This bug has been fixed.	
153658	Add new execution modes	Added Stand In, Failover, and Learning modes	Updated the following topics: VSE Console Toolbar VSE Console Request Events Details Tab Session Viewing and Model Healing Virtual HTTP/S Live Invocation Step VSE Manager Command--Manage Virtual Service Environments VSE Properties JCo RFC Live Invocation Step CICS Transaction Gateway Live Invocation Step Virtual TCP/IP Live Invocation Step Virtual DRDA Live Invocation Step IMS Connect Live Invocation Step
153679	ArrayIndexOutOfBoundsException in VSE under load	Fixed memory leak in JSON data protocol handler. Fixed thread safety issue when running VSE under load.	
154168, 21891491	Exception In Log:tcp model	Fixed Send Buffer Size could sometimes be set to 0. Added code to ensure all supported cipher suites and protocols are enabled when creating a SSL socket.	
154202, 21894875	LDAP virtualization	Fixed concurrency issues with TCP protocol.	

164576, 21894275	LISA recorder is unable to create request arguments in the service image if the incoming HTTP request body starts with more than one &amp.	Added support for handling double ampersands in the request stream.	
155850, 21897672	Duplicate logs for virtual service	Made a code change to resolve a problem where if you redeploy a VSM, the log messages print multiple times until VSE is restarted.	
168780, 21915273	WSDL response validation fails	Addressed an issue where LISA was not honoring the data pattern restrictions in a WSDL when creating a VSI from a WSDL.	
169665	JMS Test/VSE message consumer improvements	Added the Asynchronous check box to the JMS VSE Listen step. If the check box is cleared, messages are pulled off the queue directly by the VSE execution thread rather than in the background. This behavior assumes that you have one request channel.	
170358, 21921906	JSON message at virtual service creation	Made a change to allow JSON keys that contain a colon. Previously, keys with colons prevented a recording from being created.	
174523, 21924779	vse_matches.log file does not roll over	There was a code change to address an issue where multiple applications were preventing vse_matches.log from rolling over once the max file size configured in logging.properties was reached. vse_matches.log will now roll over when the limit is reached.	
176119, 21936676	Issues with VSEasy	Updated the VSEasy plugin. The new version and the previous versions are incompatible. You must uninstall any previous version before installing this version. To uninstall, go to the About Eclipse menu > click the Installation Details button > select the VSE Manager UI feature and click Uninstall.	

177031, 21943989	ServiceImageManager not creating service from WSDL	Fixed issue where ServiceImageManager could not create a virtual service image from a WSDL.	
188824, 21950762	Issues With "100 Continue"	Fixed issue with Expect 100-continue when receiving only part of a header during a read.	
189976, 21961711	Two Header And Two Body	Made LISA more forgiving when we receive the header: Content-Encoding: gzip but the content is not gzip. In that case, we log a warning and then try to process the content as if it were not GZIP.	
191406	ERROR Attempted to append to closed appender named [VSEAPP] (in VSE)	The vse_matches.log file is only written to by VSE and is allowed to roll over as needed with only one active handle. All other matches information is now being logged by the application root logger. For example, during vsi creation when finalizing a recording from workstation, the matches log info that used to be logged to vse_matches.log is now being logged to workstation.log.	
194349	Add additional options to ServiceManager command	ServiceManager command options were added.	Updated the following topic: ServiceManager Options
194758	Code fixes for two forum issues	Importing request/response pairs with the JMS protocol now includes standard metadata in the service image. Exporting assets from old non-JNDI JMS steps now produces the correct Asset class.	

8.0 CA Continuous Application Insight Enhancements

Case	Title	Description	Updates to User Documentation
82025	CAI DDL files are outdated	Fixed the CAI DDL files in the **LISA_HOME\database** directory.	

106646	Agent light for MQ Series	Splunk integration with CAI for MQ.	Added the following topics: Agent Light for Websphere MQ Agent Light for Websphere MQ Baseline Support Agent Light for Websphere MQ Virtualization Support
106649	Agent light for HTTP	Splunk integration with CAI for webMethods HTTP.	Added the following topics: Agent Light for webMethods HTTP Agent Light for webMethods HTTP Baseline Support Agent Light for webmethods HTTP Virtualization Support
106650	Agent light for JMS	Splunk integration with CAI for JMS.	Added the following topics: Agent Light for JMS Agent Light for JMS Baseline Support Agent Light for JMS Virtualization Support
106656	VS Traffic to CAI Companion	Added support for JMS and WebSphere MQ.	Updated the following topic: VS Traffic to CA Application Insight Companion
115544	CAI power user export for offline and print of folded paths	New feature to export and view path in a PDF file.	Added the following topic: Export Path Diagram to PDF
120559	Shelve search results and refines for latter use	New shelf feature that lets you add transactions and create artifacts.	Added the following topics: Using the Shelf How to Work with Transactions in the Shelf Add a Transaction Frame to the Shelf Add All Occurred Transactions to the Shelf Add Merged Transactions to the Shelf Delete Frames in the Shelf Dialog Search for Paths in the Shelf

120593	Search for paths by metadata	Improved searching capability.	Added the following topics: Search and Filter Transactions Search for Transactions Search for Transactions by Time Filter Transactions Filter Transactions by Category
122303	Support baseline generation for signed SOAP messages	Added the ability to generate baselines for signed web services.	Updated the following topics: Generate a Web HTTP Baseline Generate a Web Service Baseline
124570	Dashboard	Added a dashboard, known as the home page for the DevTest Portal.	Added the following topic: DevTest Portal Home Page
128110	Create baseline with attachments	Added support for generating web service baselines with attachments.	Added the following topic: Web Services with Attachments
128312	Case mgmt QC function is broken on 8.0	Removed the old approach for interacting with HP ALM - Quality Center. You must now use the REST-based approach. The properties that you configure are QC host and QC port.	Updated the following topic: Send Tickets to HP Quality Center
129597	Agent-based recorder for JDBC	You now do agent-based JDBC virtualization from the DevTest Portal.	Added the following section: Virtualize Databases with the Web-Based Recorder
129730	Interface to filter out noise transactions	The DevTest Portal lets you specify that the agent no longer capture a certain type of transaction frame.	Added the following topic: Exclude Data from Agent Capture
130246	Adding merged path to shelf	New capability of adding a merged transaction to the shelf.	Added the following topic: Add Merged Transaction to the Shelf

130776	Ticket management	New Ticket management window	Updated the following topics: Creating and Managing Tickets Email Settings for New Tickets Capture Tickets in an Application Search Tickets Obtain the Direct URL of the Ticket Edit Ticket Information Send Tickets to HP Quality Center Added the following topics: Managing Tickets How to Manage a Ticket Identify Transaction Defects View Screen Shot
132814	Consolidate shelves and individual frames into 1 virtual service	When there are multiple frames with the same category or protocol, the frames are consolidated into one virtual service.	Added the following topic: Consolidation of Transactions When Creating Virtual Services
142030	Move workstation agent configuration into CAI UI	New Settings, Agents window to calibrate and configure agents.	Updated the following topics: Configuring Agents Agent Status Indicator VSE Mode Indicator Filter Agents Configure Capture Levels View Performance Data Stop and Start Agent Transaction Capture View and Update Properties View Agent and Broker Information

152245	DocGen for manual testers	New feature to document manual tests.	Added the following topics: How to Document a Transaction for a Manual Test Document Your Test Transactions Search for Recorded Test Transactions View Recorded Test Transactions Create Documentation from Recorded Transactions
153927	Annotate exceptions	New capability to be able to identify exceptions in transactions and view them.	Added the following topic: Annotate a Transaction to View Defects
153930	Pinning of annotated transactions	New capability of pinning annotations to view them as points of interest.	Added the following topic: Pin Annotated Transactions for Point of Interest
	DocGen PDF Report	New capability to create a PDF of a DocGen report	Added the following topic: Export Path Diagram to PDF
169130	Export/import of CAI transactions	New UI has the capability to export and import paths.	Added the following topics: Exporting and Importing Paths Export Paths Import Paths Import Paths from Splunk
174324	Transaction details popup enhancements	One dialog that contains the path graph and component information.	Updated the following topic: View Transaction Details
175340	Help prototype	New feature of enabling and disabling help hints.	Updated the following topic: Enable and Disable CAI Help Tips

189228	Agent automatic upgrade	New feature to upgrade agent when there is a new version.	Added the following topics: Upgrade an Agent in the DevTest Portal Upgrade an Agent Manually
189231	Delete agent	New feature to delete an offline agent.	Added the following topic: Delete an Offline Agent
192452	Reset Filter	New reset filter for agent.	Updated the following topic: Filter Agents
196252	Generate Artifacts in Explore Defects: Only support Baseline and Virtual Services, not support Baseline (Stateful) any more	Feature does not support stateful baselines.	Updated the following topic: Generate Artifacts in Explore Defects
196256	Add all occurred transactions to the shelf	New feature that adds all the frames that occurred in a transaction to the shelf.	Added the following topic: Add All Occurred Transactions to the Shelf

8.0 Mobile Testing Enhancements

Case	Title	Description	Updates to User Documentation
169600	VBOXMANAGE_CMD property	When using Genymotion, if you install VirtualBox in a non-default location, defining the VBOXMANAGE_CMD property lets DevTest find the vboxmanage tool.	Added the following topic: Define VBOXMANAGE_CMD

116439	Create assets using one dialog	You can create assets in one dialog that addresses all targets.	Updated the following topics: Create Assets Mobile Assets Mobile Tutorial 1 - Step 4 - Create an iOS Simulator Asset Mobile Tutorial 2 - Step 4 - Create an Android Simulator Asset Set Up the Android SDK How to Create and Replay Mobile Test Cases
116124	Voyager and Mobile Test Generator	You can automate your functional testing and application flow to create tests and find defects.	Added the following topics: Automated Tests by Voyager Generate Tests Create an Page-Specific Test Case Add Mobile Steps to a Voyager File from an Existing Test Case Add Mobile Steps to a Test Case from an Existing Voyager File
188653	Appurify is no longer supported	Appurify is no longer available as a target for a mobile asset.	Updated the following topics: Mobile Assets How to Create and Replay Mobile Test Cases Run a Mobile Test Case Remotely
107192	The Mobile Lab	The Mobile Lab lets you run mobile tests using remote simulators connected to mobile simulators/emulators and devices.	Added the following topics: The Mobile Lab Start a Mobile Lab Verify the Mobile Lab Stage a Test in the Mobile Lab Stage a Suite of Tests in the Mobile Lab

116128	Web browser testing	DevTest Solutions provides an application with a built-in web browser so you can record a web test.	Added the following topic: Web Browser Testing
167998	Xcode 6.1 requirement	Mobile Testing requires Xcode version 6.1 on iOS.	Added the following topic: Install Xcode Version 6.1
128709	Android SDK Build Tools	The Android SDK bundle contains a component called Build-tools. Mobile testing requires at least version 19.0.1, 19.1.0, or 20.0.0.	Updated the following topics: Pre-Installation Steps for Mobile Testing-Macintosh Pre-Installation Steps for Mobile Testing-Windows Set Up the Android SDK Added the following topic: Android SDK Build-tools
188953	Mobile assertion menu removed	The mobile assertions menu was removed from the right-click menu of a step in the main part of the editor.	Updated the following topic: Add an Assertion to a Mobile Test Step

8.0 General Enhancements

Case	Title	Description	Updates to User Documentation
	Product Name Changes	The product suite name CA LISA changed to DevTest Solutions. The following product and component names also changed: ■ CA LISA Test changed to CA Application Test ■ CA LISA Service Virtualization changed to CA Service Virtualization ■ CA LISA Pathfinder changed to CA Continuous Application Insight ■ LISA Workstation changed to DevTest Workstation ■ LISA Server changed to DevTest Server	Product and component names were changed throughout the documentation.

	DevTest Portal	Added a new, web-based portal for accessing for DevTest Solutions functionality. Browse to: http://hostname:1507/devtest All of CA Continuous Application Insight functionality is now available from the DevTest Portal. Limited functionality for CA Application Test and CA Service Virtualization is also available.	Added the following topics: DevTest Portal Using the DevTest Portal with CA Application Test Using the DevTest Portal with CA Service Virtualization Getting Started with CA Continuous Application Insight
	CICS Agent enhancements	Support for CICS 5.1 and CICS 5.2 was added to the DevTest CICS Agent.	Updated the following topics: LPAR Agent Messages Create the LPAR Agent Config Member FTP the Files to the Target z/OS System How to Install the CICS Agent
95344, 107480	Licensing Enhancements	The license policy changes from component based licensing to concurrent user based licensing. DevTest Solutions is now activated by a single file-based license key, devtestlic.xml. The Enterprise Dashboard manages the license. When you install the Enterprise Dashboard, you browse to devtestlic.xml and the installer places the license file in the local {{LISA_HOME}} directory. Internet access to the CA license server is not required. Instead, you mail Usage Audit Reports to CA Technologies. Usage Audit Reports detail product access by role, where each role is associated with a user type.	Added the following topics: Honor-Based Licensing How Licensing, ACLs, and Audit Reports Work Together DevTest Solutions Usage Audit Report Count Calculation Example User Types Export Usage Audit Data Reactivate a Registry or Enterprise Dashboard

176179	ACL Administration, UI Enhancements, License Types	User types include Super User, PF Power, SV Power, Test Power, Runtime, and Guest. Standard Users has been expanded.	Added the following topics: ACL Overview Experience the Roles of Standard Users Change Passwords for Standard Users Combination PF Power User and SV Power User User Types PF Power User User Type SV Power User User Type Test Power User User Type Runtime User User Type ACL and Command-Line Tools or APIs ACL and Session Objects Authorize Users Authenticated by LDAP Updated the following topics: Standard User Types and Standard Roles Standard Users Manage Users and Roles Add and Update Roles

| 176159 | Installer Enhancements | There is a single installer per platform. (The Enterprise Dashboard is no longer a separate installer.) The installer name starts with prefix "devtest" instead of "LISA", so the installer for Windows 64 Bit is called devtest_win_x64.exe. The demo server is left unchanged; it is downloaded separately and can be specified during the installation process if required.

A license key file is required only for DevTest Solutions 8.0 installations that install a new Enterprise Dashboard.

Extending an existing DevTest 8.0 installation requires specification of an existing Enterprise Dashboard to register with.

Installation instructions are now documented for a Mac. | Added the following topics:
Communication Requirements
Planning Your DevTest System
DevTest Components
About DevTest Server Components
DevTest Process Relationships
Typical Configurations
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8.0 Known Issues

The following table describes the known issues with this release.

Case	Issue	Comments
190588	If you have an invalid setting in the vmoptions file for DevTest Workstation, Workstation will briefly start and end, but it does not log an error or report any issue.	
	In stress testing this release, we noted that database performance was overly sensitive to degradations in database and network environments. This will be addressed in an upcoming point release.	
	The regression test of SAP Netweaver 7.3 and 7.4 was not complete for DevTest Solutions 8.0. This testing will be completed for the first patch release, 8.0.1. As a result, SAP Netweaver related issues are not supported for DevTest Solutions 8.0.	

End of Life Features

End of Life for a feature is defined as no future development, upgrades, or fixes are provided for that feature. Support for that feature ceases.

End of Life Features as of LISA 6.0.9

The following features have reached End of Life status as of LISA 6.0.9.

■ In-container testing support for JBoss and WebLogic through the deployment of a LISA EJB. This affects the Dynamic Java Execution step with the Remote option.

■ Swing testing: The step is now in the custom extension.

■ VSE WSDL generation that was developed in LISA 5 or earlier versions with the Axis client. This was replaced by the Quick Start option to create a VSI from WSDL.

■ LISAINT 1.0 by including of .jar or EJB co-deployment. If a LISAINT tag is written, it is respected for filters and assertions.

■ Web 2.0 only supports HTML and HTML 5 applications. We are dropping support for swing, Flex, and non-HTML testing.

■ Web Service Execution (Legacy) testing web service (with Axis) is deprecated in favor of the Web Service Execution (XML) step. The step was moved to custom steps, and there is no new development. Customers should actively start to move to the Web Service Execution (XML) step.

■ The legacy Raw SOAP request step is deprecated in favor of the Web Service Execution (XML) step. The step was moved to custom steps, and there is no new development. Customers should actively start to move to the Web Service Execution (XML) step.

End of Life Features as of LISA 7.1

The following features have reached End of Life status as of LISA 7.1.

■ Web 2.0 is no longer supported.

End of Life Features as of LISA 7.5

The following features have reached End of Life status as of LISA 7.5.

■ The following operating systems are no longer supported as of LISA 7.5:

■ Windows XP

■ Windows Server 2000

■ Legacy messaging steps are supported in LISA 7.5, but we plan to remove these steps in a future release. These steps are replaced by a new set of messaging steps introduced in LISA 7.5. For more information, see the *Migration Guide*.

■ Driver-based JDBC virtualization is supported in LISA 7.5, but we plan to remove this feature in a future release. Agent-based JDBC virtualization is the replacement for this feature. For more information, see the *Migration Guide*.

End of Life Features as of DevTest Solutions 8.0

The following features have reached End of Life status as of DevTest 8.0.

- The URL **http://localhost:1505/reporting** has been deprecated in 8.0.

  Accepted alternatives for navigating to the Reporting Console are:

  - **http://localhost:1505/index.html?lisaPortal=reporting**

  - **http://localhost:1505**, then navigate to reporting from there.

- APPC virtualization has been removed in CA Service Virtualization 8.0.

- Support has ended for the following:

  - Windows Vista

  - Windows Server 2008

  - Fedora 8

  - OS X 10.8

  - Ubuntu 9

  CA Technologies will continue to provide support for **Windows Vista, Windows Server 2008, OS X 10.8, Fedora 8, and Ubuntu 9** with older versions of CA LISA under CA Maintenance contract until those versions are no longer supported by CA Technologies or the operating system is no longer supported by Microsoft (whichever is sooner).

Chapter 2: Third-Party Acknowledgments

The license information for third-party utilities and software that DevTest Solutions uses is available in the Release Information section of the DevTest Solutions Bookshelf.

Click **View HTML** next to Third-Party Acknowledgments to view the third-party license information.