

DevTest Solutions

Migration Guide

Version 8.0



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Contents

Chapter 1: Upgrade Overview	7
Supported Upgrade Paths	7
Migration System Requirements	7
Chapter 2: Upgrading to DevTest Solutions 8.0	9
Upgrade Prerequisites	9
The Upgrade Process	10
Clearing Browser Cache between Upgrades	11
Licensing	11
User Preferences	11
Configuration	12
Reporting Upgrades	13
Database	14
CA Continuous Application Insight	15
Automate Automation	16
Continuous Validation Service	17
Enterprise Dashboard	17
Upgrading through Major Versions	17
Chapter 3: Upgrading DevTest Workstation	19
Project Panel Changes	19
JDBC Virtualization Approach	19
New and Deprecated Messaging Components	20
Test Invocation	22
junitlisa Ant Task	22
Stand-Alone / Execute on Simulators	22
The Negative Testing Companion	22
Model Archive (MAR) Architecture and Staging Tests	23
External File References and MARs	23
Persisting Test Results to the File System and MARs	23
Write to Delimited File Step	24
Web Services Testing	24
Web 2.0 Testing	24
Metric Name Changes in LISA 5	24
Test Timeouts	24
Memory	24

Subprocess Migration	25
----------------------------	----

Chapter 4: Upgrading VSE	27
--------------------------	----

Upgrading Models	27
Upgrading Service Images	27
New Service Image Editor	27
Feature Comparison of Service Image Editors	28
Meta Transactions	29
Request Data Changes	29
Save Button	30
Known Migration Issues	30

Chapter 5: 8.0-Specific Upgrade Information	31
---	----

Pre-Release 6 to 8.0 Upgrade	31
6.x or Later to 8.0 Upgrade	31
Licensing	31
Database	31
Access Control (ACL)	32
Assets	32
Customization	32

Chapter 1: Upgrade Overview

This section contains the following topics:

[Supported Upgrade Paths](#) (see page 7)

[Migration System Requirements](#) (see page 7)

Supported Upgrade Paths

If you are planning to migrate from a release prior to CA LISA 6.X, the upgrade to DevTest Solutions 8.0 is a two-step process. You must first upgrade to CA LISA 6 before upgrading to DevTest Solutions 8.0. For more information about migrating from versions prior to 6.X, see the *Migration Guide* [for CA LISA 7.0](#).

Important! CA LISA 6 is no longer available through the normal CA download mechanisms. Contact your CA Account Manager to discuss your plans to migrate to DevTest Solutions 8.0 and for assistance obtaining a CA LISA 6 download.

Migration System Requirements

For a detailed list of requirements, see System Requirements in *Installing*.

Important! You must fully understand the DevTest Solutions installation process before you proceed with a migration.

Chapter 2: Upgrading to DevTest Solutions 8.0

This section contains the following topics:

[Upgrade Prerequisites](#) (see page 9)

[The Upgrade Process](#) (see page 10)

[Licensing](#) (see page 11)

[User Preferences](#) (see page 11)

[Configuration](#) (see page 12)

[Reporting Upgrades](#) (see page 13)

[Database](#) (see page 14)

[CA Continuous Application Insight](#) (see page 15)

[Continuous Validation Service](#) (see page 17)

[Enterprise Dashboard](#) (see page 17)

[Upgrading through Major Versions](#) (see page 17)

Upgrade Prerequisites

This document is targeted toward an audience who has studied the DevTest 8.0 product documentation *and* obtained DevTest 8.0 training from CA.

Mastery of previous LISA versions expedites the DevTest 8.0 learning curve. However, only proper DevTest 8.0 education can prepare you to enjoy a smooth transition and realize the maximum value.

We highly recommend engaging professional services to assist with the DevTest 8.0 upgrade. Contact your account executive for more details.

The Upgrade Process

Both major and minor version upgrades follow the same best practices.

To upgrade to DevTest 8.0, complete the following steps:

1. Verify the system requirements for DevTest 8.0.
2. Review the release notes for all major releases from your current LISA version up to and including DevTest 8.0.
3. Install and configure DevTest 8.0.

For step-by-step instructions, see *Installing* in the All Documentation section of the *DevTest Solutions Bookshelf*.

Important! Install DevTest 8.0 into a new directory: for example, **C:\DevTest-8.0**. Once your new installation is validated, you can then delete your previous installation. Do not delete the earlier installation if you want to preserve your legacy reports or CA Continuous Application Insight paths, which are not upgradable.

4. Review the remainder of this document for information about upgrade tasks specific to DevTest 8.0 and the LISA version you are upgrading from.
5. Perform the appropriate upgrade tasks for your environment.

Clearing Browser Cache between Upgrades

Important! When migrating from one release to another, always clear your browser cache before starting your new instance of DevTest for the first time. This requirement applies to every user that uses web applications on the registry.

Failure to clear the browser cache can create an exception in some cases, depending on your individual browser settings. If you used a previous version of LISA (hitting - web portals) before upgrading, it is possible for the older versions of the client-side pages for the portal to be cached. If the older, cached versions of the client-side pages are used when a request is made, the server is unable to use the older version.

This scenario creates an exception that can manifest itself in the Registry.log. For example:

```
2013-06-21 15:09:30,947Z (09:09) [qtp969344010-65] WARN serverconsole -  
Exception while dispatching incoming RPC call  
  
com.google.gwt.user.client.rpc.SerializationException: Type  
'com.itko.lisa.serverconsole.shared.model.network.PerformanceStatisticModel' was  
not assignable to 'com.google.gwt.user.client.rpc.IsSerializable' and did not have a  
custom field serializer.For security purposes, this type will not be serialized.:  
instance =
```

If you receive this type of Registry.log message after an upgrade, clear your browser cache as your first attempt to eliminate this problem.

Licensing

Contact your account executive to coordinate your new license. You must be current with your maintenance to be eligible for a new release.

- Network-based licensing and Local License Server (LLS) are no longer applicable in DevTest Solutions 8.0. A new file-based DevTest license file (devtestlic.xml) is required.
- If requested, CA can provide a new license for your legacy registry so that you can continue to access your legacy reports and CA Continuous Application Insight paths. LISA 4, 5, 6, or 7 are left active on the license.
- Upgrades are often evaluated in parallel with the current version, which can require temporary duplicate licenses until the new version is generally available.

User Preferences

User preferences are not upgraded.

Configuration

In DevTest Solutions 8.0, the `_local.properties` template was reformatted and contains new properties. When migrating from an earlier version of LISA to DevTest Solutions 8.0, do not copy the `local.properties` or `site.properties` files from your legacy installation.

local.properties

After installing DevTest Solutions, start with the new `_local.properties` template rather than copying the existing `local.properties` from your legacy installation.

1. Create a copy of the **`_local.properties`** file in the new DevTest 8.0 installation directory.
2. Rename the copy to **`local.properties`** (remove the leading underscore `'_'`).
3. Copy *only* the properties that you set in your legacy **`local.properties`** file into the appropriate section of the new property file.

site.properties

After installing DevTest Solutions, start with the new `_site.properties` template rather than copying the existing `site.properties` from your legacy installation.

1. Create a copy of the **`_site.properties`** file in the new DevTest 8.0 installation directory.
2. Rename the copy to **`site.properties`** (remove the leading underscore `'_'`).
3. Copy *only* the properties that you set in your legacy **`site.properties`** file into the appropriate section of the new property file.
4. When configuring to a DevTest supported external database, such as Oracle, DB2, MySQL, or SQL Server:
 - a. Uncomment the following properties for that external database in the appropriate section.

For example:

```
lisadb.pool.common.driverClass=oracle.jdbc.driver.OracleDriver  
lisadb.pool.common.url
```

```
lisadb.pool.common.url=jdbc:oracle:thin:@HOST:1521:SID
```

- b. Update the **`lisadb.pool.common.url`** property with the appropriate hostname, port, and SID values.
- c. Update the following user and password properties with the correct values for accessing the database:

```
lisadb.pool.common.user
```

```
lisadb.pool.common.password
```

- d. Comment out the following two properties for the Derby database:

```
#lisadb.pool.common.driverClass=org.apache.derby.jdbc.ClientDriver
```

```
#lisadb.pool.common.url=jdbc:derby://localhost:1528/database/lisa.db;create  
=true
```

- e. Set the following property to false:

```
lisadb.internal.enabled=false
```

Note: If you are using the Derby database, the property changes listed in the previous step are not required. Review Database System Requirements in *Installing*. The Derby database is only adequate for small deployments that do not require load and performance testing. For all other scenarios, configure DevTest to use an external database.

Depending on the database you are using, you must also install the appropriate JDBC driver. For more information, see External Registry Database Configuration in *Administering*.

For more information about database setup and configuration, see in Database Administration in *Administering*.

Reporting Upgrades

CA does not support reporting database upgrades. CA can issue a registry-only license that provides access to legacy reports, if necessary. Contact your account executive for more information.

Database

Before you upgrade, be sure to shut down the registry and then back up the database.

The reuse of an existing database schema or the import of data from a previous release is not supported. You must configure DevTest to use a clean enterprise database schema.

If you are using the included Apache Derby database, installing in a new DevTest directory preserves your existing data in the Derby database in the old installation folder.

In an enterprise installation of DevTest, use one of the supported enterprise-class databases instead. Create a DevTest database schema and configure the new installation to use the new database schema. The easiest approach is to let DevTest modify the database schema during the first startup. The database user that is configured needs schema-owner rights or CRUD on most schema objects.

DevTest, when run in a distributed configuration, strongly depends upon any server components having a high-bandwidth, low latency connection to a well-maintained enterprise class database.

All DevTest server components communicate directly with the database to record their actions, and any restriction to the flow of this data has adverse effects.

In order to ensure that your DevTest functions correctly, no DevTest server components should have a Round Trip Time (RTT) of greater than 20 ms to the database host. If the network latency exceeds this 20 ms value, you can expect performance problems.

Note: Access Control List (ACL) entries for user IDs, passwords, and permissions that were created in a previous release must be manually re-entered through the Server Console.

CA Continuous Application Insight

In release 7.5, the **rules.properties** file was changed to an XML file named **rules.xml**.

The following items describe what happens to the **rules.properties** file during upgrades:

- If the **rules.properties** file exists, the file is migrated to **rules.xml** only if it is not empty.
- If the **rules.properties** file exists, the file is renamed to **rules.properties.org**.
- For the broker, if the **rules.properties** file does not exist or is empty, a **rules.xml** file with minimal data is created.
- For the broker, a **rules.xml.sample** file is created. This file serves as a reference of all the internally maintained properties and their default values.
- The following directives have been deprecated: **virtualize protocol** and **virtualize transform**. These directives are not migrated.

In release 8.0, the location of the **rules.xml** file changed from the **LISA_HOME\bin** directory to the **LISA_HOME** directory.

In release 8.0, the **InsightAgent.jar** file was added as a replacement for the **LisaAgent2.jar** file. The **LisaAgent2.jar** file is still included for backward compatibility.

In release 8.0, the database schema for CAI was modified. The following list describes the main changes:

- Added the **LISA_FRAME_CATEGORY** table. This table contains the categories that are assigned to transaction frames.
- Added the **LISA_MANUAL_CASE** table. This table contains data about any manual test cases that users create.
- Updated the **LISA_TRANSACTION_FRAME** table to include data about points of interest.

CAI supports upgrading to release 8.0 from the following releases: 7.0, 7.5, 7.5.1, and 7.5.2.

When you upgrade to release 8.0, the database schema is automatically updated and the existing data is maintained. However, be sure to review the following information before you upgrade:

- If you are upgrading from release 7.5, 7.5.1, or 7.5.2, open the **rules.xml** file and try to locate the following properties. If the properties exist and the values are set to false, delete the properties or change the values to true. Otherwise, the database schema is not automatically updated.

```
<broker>
  <property key="lisa.broker.auto.migrate.schema" value="false"
comment="Whether to automatically create or upgrade the schema"/>
```

```
<property key="lisa.broker.schema.v2" value="false" comment="Use v2 of the PF
schema"/>
</broker>
```

- If you have a large database, the upgrade can take a long time.
- You cannot use CAI until the upgrade finishes.
- If the broker is using the default embedded Derby database and the database is large, increase the memory of the broker. For more information, see *Change Memory Allocation* in *Administering*.

Note: The default embedded Derby database is adequate only for small deployments that do not require load and performance testing, and is not supported as an enterprise class database.

You can manually upgrade the database by using the SQL scripts in the **LISA_HOME\database\upgrade\pathfinder** directory.

Follow these steps:

1. Connect to the database.
2. Run the following SQL statement to get the schema version:

```
select SCHEMA_VERSION from LISA_AGENT_VERSION
```
3. If the schema version is 1, run the **<database>_002.sql** and **<database>_003.sql** scripts.
4. If the schema version is 2, run the **<database>_003.sql** script.

Automate Automation

You can leverage CA Continuous Application Insight to “automate automation.” This function can be valuable for rapidly regenerating regression test suites and virtual services. CAI is particularly adroit at the following tasks for web services and EJBs:

- Regenerating regression test suites
- Regenerating virtual services
- Regenerating data sets (XML-based request/response pair only)

The supported platforms are WLC 10.3, WAS 7.0, and JBoss 4.2.3+.

Contact your account executive for more information about how CAI can transform your release 8.0 upgrade experience.

Continuous Validation Service

Continuous Validation Service (CVS) Monitors are not upgraded and must be re-created.

Enterprise Dashboard

Enterprise dashboard is now required by a DevTest Solutions 8.0 install. When you run the installation wizard, you are prompted to either install the dashboard or enter the location of an existing dashboard. The dashboard is no longer a separate install and license.

New data gathering mechanisms were introduced to the Enterprise Dashboard for 7.5 registries. Due to these new mechanisms, you are no longer able to view detailed registry data for LISA registry versions older than version 7.5. To view the detailed data in the Registry Details Window, you must first upgrade your LISA registries to 7.5. Once the registry is upgraded, you must also update a new **`lisa.enterprise.dashboard.url`** property for each registry that you want to view in the dashboard.

The **`lisa.enterprise.dashboard.url`** property is required for a registry to send data to the Enterprise Dashboard. This property does not affect the ability to run either the Enterprise Dashboard or the registry. If a registry has the value set, data for that registry is sent to the URL that is specified by the property. If this property is not set for a registry, no data for that registry is sent.

For more information about configuring a registry, see *Configure Registries* in *Installing*.

Upgrading through Major Versions

CA has historically recommended upgrading through each major version of LISA. For example, upgrading from LISA 5 to LISA 7 would include opening assets in LISA 6 before opening them in LISA 7.

Because this process is potentially time consuming, we only recommend this process for legacy assets that do not migrate directly to LISA 7, unless otherwise specified in this document.

Note: Newer versions of LISA will have features that older versions do not. Therefore, if you create and/or update any LISA asset and then open it in an older version of LISA, you may experience unexpected results.

Chapter 3: Upgrading DevTest Workstation

This section contains the following topics:

[Project Panel Changes](#) (see page 19)

[JDBC Virtualization Approach](#) (see page 19)

[New and Deprecated Messaging Components](#) (see page 20)

[Test Invocation](#) (see page 22)

[The Negative Testing Companion](#) (see page 22)

[Model Archive \(MAR\) Architecture and Staging Tests](#) (see page 23)

[Web Services Testing](#) (see page 24)

[Web 2.0 Testing](#) (see page 24)

[Metric Name Changes in LISA 5](#) (see page 24)

[Test Timeouts](#) (see page 24)

[Memory](#) (see page 24)

[Subprocess Migration](#) (see page 25)

Project Panel Changes

In release 7.5.1, the following changes were made to the Project panel:

- The AuditDocs, StagingDocs, Subprocesses, and Suites folders are now subfolders of the Tests folder.
- The VServices folder is now named VirtualServices.
- The VirtualServices folder appears before the Tests folder.

If you open a project that was created in an earlier release, the project continues to use the old folder structure. If the project is from a release earlier than 5.0, the project is converted to the folder structure from releases 5.0 through 7.5.0.

The **LISA_HOME\examples** project uses the old folder structure.

JDBC Virtualization Approach

To perform JDBC virtualization in DevTest 8.0, use the DevTest Java Agent.

DevTest 8.0 still includes driver-based JDBC virtualization. However, we plan to remove this approach in a future release.

New and Deprecated Messaging Components

LISA 7.5 introduced a new approach for doing messaging-related tasks. This approach builds on the asset framework that was introduced in the same release.

As part of the new approach, the following test steps were added:

- JMS Send Receive
- JMS VSE Listen
- JMS VSE Live Invocation
- JMS VSE Respond

One goal of these changes is to make configuration easier.

For example, the JMS Send Receive step includes a Send Destination field and a Receive Destination field. You use these fields to specify the request queue and the response queue. All the logic that is necessary to connect to the queues is encapsulated in the selection.

You can switch between different JMS providers by changing assets, rather than by having to configure a different type of step (TIBCO Direct JMS, IBM WebSphere MQ, and so on).

The JMS Send Receive step has built-in correlation schemes: JMS Correlation ID, JMS Message ID to Correlation ID, and JMS Payload. JMS Payload is a generic correlation scheme that can pull a correlation ID out of the message payload and can itself be extended to support custom payload and correlation formats.

Another goal is to make connection sharing easier. The new steps provide fine-grained control over how JMS connection assets are shared and reused. A particular JMS connection, session, queue, or other JMS asset can be reused for the duration of a test model's execution, reused by all instances of a multi-VU test, or reused globally by all tests running in the same simulator.

The following messaging steps are still available. However, we plan to remove these steps as selectable steps in a future release.

- JMS Messaging (JNDI)
- WebLogic JMS (JNDI)
- JCAPS Messaging (Native)
- JCAPS Messaging (JNDI)
- Oracle OC4J (JNDI)
- TIBCO EMS Messaging
- TIBCO Direct JMS

- SonicMQ Messaging (Native)
- SonicMQ Messaging (JNDI)
- IBM WebSphere MQ (JMS mode only)

In addition to the test steps, a new VSE transport protocol was added:

- JMS

This protocol comes with a new recorder and a new set of VSE steps, mentioned earlier. It supports any JMS platform that can be configured with assets, including both the JNDI and direct versions of TIBCO, SonicMQ, and so on. The new JMS VSE protocol also supports a new type of recording for TIBCO platforms, TIBCO Monitor recording, which allows recording without the use of proxy queues.

The old JMS VSE protocol is still included:

- Standard JMS

However, we plan to remove this protocol as a selectable protocol in a future release.

The new JMS VSE protocol is backwards compatible with service images that were recorded with the old Standard JMS VSE protocol.

Test Invocation

junitlisa Ant Task

The Ant task for invoking LISA tests during a build was updated in LISA 7.0. Ensure that you update the ant **build.xml** file to match the updated one shipped with the examples in LISA 7. Specifically, ensure that you add the new reference to **lisa-modules.jar** and **_misc-modules.jar**:

```
<!-- pull in our custom ant tasks -->
<taskdef resource="AntTasks.properties">
  <classpath>
    <fileset dir="${LISA_HOME}/bin">
      <include name="lisa-modules.jar"/>
    </fileset>
    <include name="lisa-core.jar"/>
    <include name="lisa-annotations.jar"/>
  </classpath>
  <fileset dir="${LISA_HOME}/lib">
    <include name="_misc-modules.jar"/>
    <include name="_misc-core.jar"/>
    <include name="_misc-annotations.jar"/>
    <include name="emma.jar"/> <!-- only needed if lisa classes are
instrumented, ignored otherwise -->
  </fileset>
</taskdef>
```

Stand-Alone / Execute on Simulators

See the LISA 7.5 product documentation for details about how tests are staged in LISA 7.5:

Running Test Cases and Suites

The Negative Testing Companion

Release 7.0 replaced the Negative Testing Companion functionality with Audit Docs. Remove Negative Test Companions from legacy tests and replace them with a reference to a negative testing Audit Document at runtime.

Use an Audit Document such as

C:\LISA_HOME\examples\AuditDocs\main_all_should_fail.aud in a suite with your test case. This audit document looks for the "cycle failed" event, and considers the test case to have passed if that event occurs. This behavior is basically the opposite of the default audit doc behavior.

Model Archive (MAR) Architecture and Staging Tests

CA introduced MARs in LISA 6 for staging tests and suites.

See the *Working with Model Archives* topic in *Using CA Application Test* for details about how tests are staged in DevTest.

You can access *Using CA Application Test* in the All Documentation section of the *DevTest Bookshelf*, or you can use the bookshelf search feature to find the *Working with Model Archives* topic.

External File References and MARs

DevTest properties identify the external files in MARs, which are not resolved until runtime. The default optimized MAR file that is created to stage the test does not include actual files like some of the legacy staging mechanisms. This absence of actual files can cause "FileNotFound" errors. This concept frequently applies to Steps and Data Sets, but can affect any DevTest component that references an external file.

The upgrade process is as follows:

1. Instead of staging directly, create a .mari file.
2. Open the .mari file.
3. Move the external files that are needed for staging into the "include" list.
4. Save the .mari.
5. Now you can right-click, stage the .mari file, and the external files are included.

Persisting Test Results to the File System and MARs

Test cases often write result files to {{LISA_PROJ_ROOT}}/Data. This behavior works in the ITR, but causes the results to be lost when staged. The results are lost because LISA stages projects in a temporary area as of 6.0.

To work around this problem, we recommend the following steps:

1. Identify an external location to write result files to, and reference it with a property.
For example, {{RESULT_DIR}}, in the project configuration.
2. Modify the steps that write results out to write to this external location instead.

Write to Delimited File Step

The "Write to Delimited File" step has been enhanced as of 5.0 to support I18N and alternate line endings. Tests that require specific line break characters must explicitly set them using the drop-down list in the "Write to Delimited File" step.

Web Services Testing

Legacy Web Services steps are deprecated. These steps are supported in LISA 7.0, but they are scheduled for removal from DevTest Solutions 8.0. Consider using CA Continuous Application Insight to regenerate your Web Services tests.

Web 2.0 Testing

Legacy Web 2.0 tests are deprecated. These steps are supported in LISA 7.0, but they are scheduled for removal from DevTest Solutions 8.0. Consider using CA Continuous Application Insight to regenerate your Web Services tests.

Metric Name Changes in LISA 5

Some metric names were changed in LISA 5 and could affect staging documents and custom reports. We recommend re-creating staging documents in LISA 7.1 and engaging professional services to support upgrading custom components respectively.

Test Timeouts

A common solution to test timeouts is to set the property **`lisa.net.timeout.ms=60000`** in **`local.properties`**.

Memory

A common solution to the Workstation JVM not starting is to allocate more memory to it. For more information, see the knowledge base article: *LISA 5.0 - The JVM could not start* (<https://support.ca.com/irj/portal/kbtech?docid=604118&searchID=TEC604118&fromKBResultsScreen=T>).

Subprocess Migration

8.0 no longer requires that the subprocess is in a location that is a sibling of the calling project, but the files must be accessible from the current project location.

If the path to the subprocess is not defined relative to `{{LISA_PROJ_ROOT}}` or `{{LISA_RELATIVE_PROJ_ROOT}}`, open the subprocess step and browse to the subprocess location to identify it relative to `{{LISA_PROJ_ROOT}}` or `{{LISA_RELATIVE_PROJ_ROOT}}`.

Chapter 4: Upgrading VSE

This section contains the following topics:

[Upgrading Models](#) (see page 27)

[Upgrading Service Images](#) (see page 27)

[New Service Image Editor](#) (see page 27)

[Known Migration Issues](#) (see page 30)

Upgrading Models

Copy models to the **/VServices** directory of the appropriate LISA 7.5 project if they are not already in a LISA project.

Some customers have created "more flexible" models by manually doing things to the XStream'd Request and Response representations that you get in that style. Changes to the VSE Request and Response classes can break models that include directly manipulating the XML form of these objects. See the *Using the SDK* for API history details. Contact your account executive if you require assistance evaluating your models.

Upgrading Service Images

Export LISA 4.x and 5.x service images from your current database and import them into LISA 7.5.

Service images created in LISA 5.0 or later versions should run correctly in LISA 7.5.

Beginning with LISA 6.0, service images are no longer stored in a database. To use LISA 5.0 service images in LISA 6.0, export them using LISA 5.0. Then use the Import item on the project trees context menu in LISA 6.0 to import the service images.

See Creating Service Images in *Using CA Service Virtualization* for information about how to export legacy service images.

New Service Image Editor

Release 8.0 introduces a new web-based editor for service images. The new editor is included in the DevTest Portal.

This topic summarizes the differences between the old editor and the new editor.

Feature Comparison of Service Image Editors

The following table lists which service image editor features are available in the DevTest Portal and DevTest Workstation.

Feature	DevTest Portal	DevTest Workstation
Basic and advanced views	Yes	No
Open service images from multiple projects	Yes	No
Stateless Transactions view	Yes	Yes
Conversation view	Yes	Yes
Zoom in and out of Conversation view	Yes	No
Import request/response pairs into existing service image	Yes	No
Reorder or move transactions	Yes (not currently available for conversational transactions)	Yes
Cut, copy, and paste transactions	No	Yes
View request and response data at the same time	Yes	No
Default transaction or Meta	Default plus signature definition	Meta
Comprehensive search with autofill and highlighting of results	Yes	No
Add notes to signatures	Yes	No
Add labels to specific transactions	Yes	No
Find and replace	No	Yes
Find a match by request	Yes	No
Search for regular expressions in a response	Yes	No
Identification of magic strings and dates	Yes	Yes
Regenerate magic strings and date variables for all transactions	No	Yes

Change the navigation tolerance for a transaction	No	Yes
Apply a match script	No	Yes
Response views	Yes (binary and DOM views not currently available)	Yes

Meta Transactions

In the old editor, the term *Meta transaction* represented a combination of the following concepts:

- The matching algorithm for top-level transactions
- The response to send when a match is not found in the specific transactions

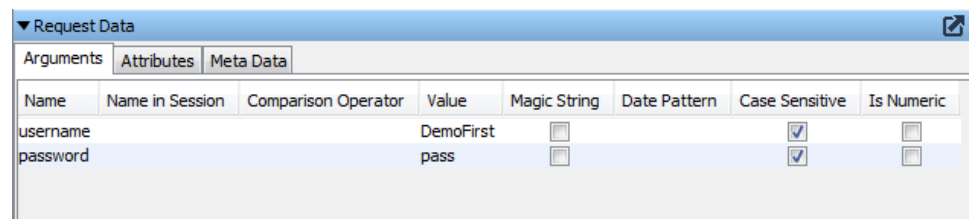
In the new editor, the term *Meta transaction* is not used.

The matching algorithm for top-level transactions is automatically set to Signature. The Match style field does not appear in the new editor.

The response to send when a match is not found in the specific transactions is called the *default response*.

Request Data Changes

The old editor contains a panel named Request Data. The Request Data panel has a set of tabs. The following graphic shows the Arguments tab:



▼ Request Data							
Arguments Attributes Meta Data							
Name	Name in Session	Comparison Operator	Value	Magic String	Date Pattern	Case Sensitive	Is Numeric
username			DemoFirst	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
password			pass	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>

The columns in the Arguments tab of the old editor appear in different locations in the new editor.

The following columns are located in the Request Data Arguments panel:

- Name
- Operator
- Value
- Magic String

The following columns are located in the Signature Definition tab:

- Name
- Date Pattern
- Case Sensitive
- Is Numeric

The Name in Session column is not available in the new editor.

Save Button

The new editor does not include a Save button. When a field that you update loses focus, the changes are saved.

Known Migration Issues

CICS Virtual Services does not upgrade to 7.0 or later from previous versions.

Historically, customized and manually created models are less likely than product-generated ones to migrate with issues.

Chapter 5: 8.0-Specific Upgrade Information

This section contains the following topics:

[Pre-Release 6 to 8.0 Upgrade](#) (see page 31)

[6.x or Later to 8.0 Upgrade](#) (see page 31)

Pre-Release 6 to 8.0 Upgrade

If you are planning to migrate from a release prior to CA LISA 6.X, the upgrade to DevTest Solutions 8.0 is a two-step process. You must first upgrade to CA LISA 6 before upgrading to DevTest Solutions 8.0. For more information about migrating from versions prior to 6.X, see the *Migration Guide* [for CA LISA 7.0](#).

Important! CA LISA 6 is no longer available through the normal CA download mechanisms. Contact your CA Account Manager to discuss your plans to migrate to DevTest Solutions 8.0 and for assistance obtaining a CA LISA 6 download.

6.x or Later to 8.0 Upgrade

This section describes the specific considerations for planning a migration from LISA 6.x or later to DevTest Solutions 8.0.

Licensing

The licensing scheme changed in DevTest Solutions 8.0. Previous licenses do not function with DevTest Solutions 8.0. All licenses in 8.0 are file based. Internet and Local License Server licenses are no longer supported. For more information, see *Installing* in the All Documentation section of the *DevTest Solutions Bookshelf*.

Database

The reuse of an existing database schema or the import of data from a previous release is not supported. You must configure DevTest to use a clean enterprise database schema.

If you require access to previous data or reports, you must maintain an instance of the appropriate registry and the associated database.

Access Control (ACL)

ACL (role-based access control) is enabled in DevTest Solutions 8.0, and is therefore required. If you have not previously used ACL, you are required to do so in DevTest Solutions 8.0.

If you have previously used ACL, refer to *Access Control (ACL)* in *Administering* for more information about role changes in 8.0 and re-enter your user data accordingly. There is no direct migration path from the previously defined roles to the new roles.

Assets

You can import all test and virtual service assets from CA LISA 6.x and later directly into DevTest Solutions 8.0.

To import assets, open a copy of the project in DevTest Solutions 8.0.

Note: Be sure to open a copy of the project in DevTest 8.0 so that the original project remains intact and can still be opened in an earlier release.

You cannot directly import assets from a release of CA LISA earlier than 6.x. For more information, see the *Migration Guide* [for CA LISA 7.0](#).

Customization

The migration of any extension to DevTest Solutions that is not provided as part of the product remains the responsibility of the customer. The migration of an installation containing extensions that were developed for previous releases is not supported.

Be sure to plan and consult with the appropriate persons with relevant domain knowledge regarding the customization to ensure that they are prepared for their migration.

The verification and correction of any scripting or scripted steps remain the responsibility of the customer, as does any other code that is not provided as a part of the standard DevTest Solutions distribution.