AD SWAT

DevTest 9.0



Upgrade DevTest from 8.x to 9.0

CA DevTest 9.0

Prepared by: Date:

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Chapter 1: Introduction

Purpose

The purpose of this doc is to assist the CA DevTest administrators to upgrade their CA DevTest 8.x version to the newest CA DevTest 9.0. This doc assumes that you already have DevTest 8.x that is to be migrated to 9.0. As a sample use case, this document uses DevTest 8.5 as the older DevTest install which is upgraded to DevTest 9.0.

The DevTest 8.2 docs can be found here -

https://docops.ca.com/display/DTS90/

Document Changes

Version	Date	Author	Version
9.0.0.297 GA	12.08.2015	Koustubh Warty	Version 1

Important Changes for DevTest 8.x onwards

#	Marquee Feature	Details
1	Licensing	Moved from component licensing to concurrent user licensing. No Internet access to License server required. Only file based licensing
2	Enterprise Dashboard	Reports on license usage and is now a mandatory component.

Reporting Issues

Please send your questions/comments/concerns on this document to Koustubh.Warty@ca.com or Ulrich.Vogt@ca.com

Chapter 2: Prerequisites

Understand the key points prior to migration

Supported Migration Releases

- The assumption here is that you have an existing older version of CA DevTest and you want to upgrade to the latest CA DevTest 9.0 release
- This doc is based on the DevTest 9.0 x64 Windows Installer
- As long as you have CA DevTest version 8.x and above, you can upgrade directly to DevTest 9.0
- If you have any releases prior to 6.0, then please contact your account manager to obtain the download version for 6.0. The reason being that you have to be at a minimum version of 6.x and above to migrate to DevTest 9.0.

Enterprise Dashboard

- The Enterprise Dashboard manages the license and is therefore a mandatory component to install
- DevTest 9.0 installer will prompt you for the license location and then copy the license file to {{LISA_HOME}} directory on the Server where your Enterprise Dashboard is installed
- The license file is not required on any other Server or Workstation

Databases

- CA Technologies does support upgrading the database from a prior 8.x release. DevTest 9.0 now supports inplace upgrade.

Supported Internet Browsers

Please refer to the documentation bookshelf \rightarrow Install Guide at <u>https://docops.ca.com/display/DTS90/</u>

Chapter 3: Pre-Installation Checklist

Licensing

Your existing 8.x license will work with DevTest 9.0.

Backup Data

This is a mandatory step that needs to be done prior to proceeding with the upgrade. We will be doing an in-place upgrade which necessitates to back up the following to a remote location -

- The entire existing DevTest 8.x folder
 - This would take care of the following which are important files in your installation
 - Properties files (local, site, lisa)
 - Virtual Services (if stored locally)
 - Application Test tests (if stored locally)
 - HotDeploy folder
 - vseDeploy folder
 - lib
 - any custom folders

If you have stored your existing Tests and Virtual Services in a Source Control Repository, then the recommendation is to make a copy of those assets. Once that copy is created, you can use the new copy with DevTest 9.0. In this case, if there are any issues, then you would have a backup to fall back on if required.

Download

Download Center	DevTest 9.0 can be downloaded from	
Search Downloads Please select the type of download you are looking for	the CA Support site at <u>http://support.ca.com</u> \rightarrow Download	
Products Please narrow your search results for "Products" below:	Service Virtualization	
Click hereto access Free Service products. ^(C) Products offered as Free Service may not be available in the Product menu below. (Note: Only products that are available in electronic format, and that you are entitled to, will be displayed in the product list below.) (Note: Only products that are available in electronic format, and that you are entitled to, will be displayed in the product list below.) (Note: Only products C A Service Virtualization Power User - MULTI-PLATFORM Select a Release: 9.0 • Select a Gen level: 0000 • Show me published solutions for this release All Components CA Service Virtualization • Mainland China based customers please click here		

Product Components				Add to cart	Download		Depending on your permissions, you
GEN11140624E.zip	N/A	11/16/2015	419.16MB		Download		should see the above. If you are not able to view similar to above, please
DevTest 9.0 Linux GEN11140710E.zip	N/A	11/16/2015	1.02GB		Download		contact your account manager
DevTest 9.0 Linux x64 GEN11140742E.zip	N/A	11/16/2015	1.02GB	0	Download		Once you select Go, you will see a list
DevTest 9.0 OSX GEN11140809E.zip	N/A	11/16/2015	1.26GB		Download		of the installers for various operating systems as well as the zip for the
DevTest 9.0 Solaris Sparc	N/A	11/16/2015	1.23GB		Download		DevTestDemoServer as shown below
DevTest 9.0 Solaris x64	N/A	11/16/2015	1.23GB		Download		There is a single installer per platform
GEN11140915E.zip DevTest 9.0 Unix (no JRE)		11/16/2015	1.2500		Download		The installer starts with prefix 'DevTest'
GEN11140941E.zip DevTest 9.0 Windows	N/A	11/10/2015	1.3568		Download		be called 'DevTest_win_x64.exe'.
GEN11141006E.zip DevTest 9.0 Windows x64	N/A	11/16/2015	1.08GB		Download		
GEN11141033E.zip	N/A	11/16/2015	1.08GB		Download		
Product Components				Add to cart	Dow	nload	You can either <i>Download</i> from here
DevTest 9.0 Demo Server GEN11140624E.zip	N/A	11/16/2015	419.16MB	e	Down	load	directly or select Add to Cart for the
DevTest 9.0 Linux	N/A	11/16/2015	1.02GB		Down	load	then select <i>View Download Cart</i> .
DevTest 9.0 Linux x64	N/A	11/16/2015	1.02GB		Down	load	
DevTest 9.0 OSX	N/A	11/16/2015	1.26GB		Down	load	
DevTest 9.0 Solaris Sparc	N/A	11/16/2015	1.23GB		Down	load	
GEN11140840E.zip DevTest 9.0 Solaris x64	N/A	11/16/2015	1.22GB		Down	load	
GEN11140915E.zip DevTest 9.0 Unix (no JRE)	N/A	11/10/2015	1.2308		Down		
GEN11140941E.zip	N/A	11/16/2015	1.35GB		Down	load	
GEN11141006E.zip	N/A	11/16/2015	1.08GB		Down	load	
DevTest 9.0 Windows x64 GEN11141033E.zip	N/A	11/16/2015	1.08GB	Ø	Down	load	
My Download Cart					View 6 Day C	art History	Choose one of the methods for
View Lownload instructions tel					Empty	Cart Go	your Download location
CA Service Virtualization Power User - MULTI- 9.0 N/A D	itle DevTest 9.0 Windowsx64	Fix#	File GEN11141033E.zip	Delete Dow	n load		
CA Service Virtualization Power User - MULTI- PLATFORM 9.0 N/A D	DevTest 9.0 Demo Server	N/A	GEN11140624E.zip	ti Dow	nload		
Checkout							
Please verify your email address in case we need to notify you regarding your download warko01@ca.com Cleeckout	order. Then click Checkout to	begin the checkout process					
Name *							Extract both the zip and you would see the respective folders for DevTest 9.0
🚺 devtest_win_x64							Convergence file of well of the
DevTestDemoServer							optional DevTestDemoServer.zip to the
🖹 devtestlic							folder that contains the DevTest 9.0

Chapter 4: Installation

Shutdown DevTest Windows Services

If you have any DevTest UI's or Workstation currently open then this would be a good time to close all those. Also if the DemoServer is running shut it down before the following steps.

Shutdown the following component services (if your existing DevTest runs as Windows services). This is applicable for the various components installed remotely that connect to the Registry.

- DevTest Enterprise Dashboard
- DevTest Registry Service
- DevTest Coordinator Service
- DevTest Simulator Service
- DevTest VSE Service
- DevTest Portal Service

Installation steps to upgrade to DevTest 9.0

install4j Wizard	Solutions is preparing the install4j Wizard	Double clicking on the DevTest 9.0 installer starts the setup wizard.
process.	Cancel	
Setup - DevTest Solutions	5 9.0.0 (build 9.0.0.297)	The setup wizard guides you through the install
DevTest	Welcome to the Deviest Solutions Setup Wizard	optional product settings.
Solutions	This will install DevTest Solutions on your computer.	
	It is recommended that you close all other applications before continuing.	
	Click Next to continue, or Cancel to exit Setup.	
	Component Versions:	
	9.0.0.297	
Ca. technologies		
	Cancel	



As with other CA products the installer now requires the user to scroll down the entire EULA before being able to accept it.

Setup - DevTest Solutions 9.0.0 (build 9.0.0.297) Setect Destination Directory Where should DevTest Solutions be installed? Setect the folder where you would like DevTest Solutions to be installed, then click Next. Setect the folder where you would like DevTest Solutions to be installed, then click Next. Required disk space: 1,494 MB Free disk space: 16 GB Setect Methods Setect	Since you already have DevTest 8.x, the installer picks up that path Note: You have already taken a backup of this folder. We will be doing an in-place upgrade.
Setup - DevTest Solutions 8.2.0 (build 8.2.0.244) Select Components Which components should be installed? Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue. Image: Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue. Image: Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue. Image: Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue. Image: Select the components you want to install; clear the components you do not want to install. Click Next Image: Select the components you want to install; clear the components you do not want to install. Click Next Image: Select the components you want to install; clear the components you do not want to install. Click Next Image: Select the components you want to install; clear the components you do not want to install. Click Next Image: Select the components you want to install; clear the components you do not want to install. Click Next Image: Select the components you want to install; clear the components you do not want to install. Click Next Image: Select the components you want to install; clear the components you do not want to install. Click Next Image: Select the components you want to install; clear the components you do not want to install. Cl	Options are offered to deselect the installation of server components. The Workstation component can be deselected only if the server component is deselected before. This means the server installation requires a workstation installation.
Setup - DevTest Solutions 9.0.0 (build 9.0.0.297) Demo Server Location of demo server zip file (optional) Specify the fully qualified path of the demo server zip file. You can download this file from the DevTest Solutions download site. The setup wizard will unzip the demo server into the same directory as DevTest Solutions and create a desktop icon. This step is optional. Do not install demo server install demo server C:\Users\Administrator\Downloads\9.0.0.297\DevTestDemoServer.zip Browse	When opting for demo server installation the user must specify the location of the demo server zip file – just as with previous releases.

Setup - DevTest Solutions 9.0.0 (build 9.0.0.297)	The installer queries for the name of the Menu Folder for DevTest, and whether or not is will
Select Start Menu Folder Where should Setup place the program's shortcuts? technologies	be part of the Windows Start menu and whether or not Menu shortcuts shall be created
Select the Start Menu folder in which you would like Setup to create the program's shortcuts, then click Next.	for all
Create a Start Menu folder	
DevTest Solutions	
Accessories Administrative Tools CA DevTest Solutions Google Chrome Java Java Development Kit	
Create shortcuts for all users	
<back next=""> Cancel</back>	
Should desktop icons be created?	The next question is about whether or not the user wants to a have a desktop icon for DevTest solutions.
Select if you would like Setup to create desiton irons for DevTest Solutions, then dick Next	
Create desktop icons	
< Back Next > Cancel	
Setup - DevTest Solutions 9.0.0 (build 9.0.0.297)	By default the DevTest services are installed as Windows services.
Do you want to install Windows Services? technologies	Optionally, the installer can configure the DevTest services for automatic start at system
Select how you would like like Setup to configure Windows Services for DevTest Solutions, then click Next.	start up.
▼ Install Services	With the default options DevTest services must
) Start on bootup	be started manually.
<pre></pre>	

Select File Associations	Eventually options are offered to associate file with DevTest solutions.
Which file associations should be created?	Clicking on the Install button launches the installation process.
☑ DevTest Suite (*.ste)	
✓ DevTest Test Case (*.tst)	
✓ DevTest Staging Document (*,stg)	
DevTest Virtual Service Image (* vsi)	
Devites (Victual Service Indige (1997)	
I▲ Deviest (intraliperatic Model (, valu)	
< Back Install Cancel	
Setur - DevTest Solutions 9 0 0 (build 9 0 0 297)	Tratellation was succeed in indicated by the
Installing Please wait while Setup installs DevTest Solutions on your computer.	progress bar. The installation takes about 6 to 10 minutes to complete.
Uninstalling previous version	
Cancel	
Setup - DevTest Solutions 9.0.0 (build 9.0.0.297)	
Please wait while Setup installs DevTest Solutions on your computer.	
Extracting files cvsdashboardconsole\qxt\desktop\images\powered.gif	
Cancel	

Setup - DevTest Solutions 9.0.0 (build 9.0.0.297) Information Please read the following important information before continuing. When you are ready to continue with Setup, click Next. If you are having difficulty starting DevTest Solutions applications, this is a or errors in your Java JDK configuration. To avoid conflicts, you can set a called LISA_JAVA_HOME to the home directory of the Java JDK you wish to Your firewall MUST allow DevTest Solutions to send and receive network tre properly if blocked by a firewall. Please authorize DevTest Solutions applic Workstation.exe to resolve this issue. Thank you for choosing DevTest Solutions!	Almost always due to conflicts is system environment variable to use. Ansmissions. The sources and will not work tations such as the	Once the installation is completed some post install instructions are provided. Please read and follow carefully. Click Next to finish the installation.
DevTest Solutions Completing the DevTest Solution application may be launched by selecting the Click Finish to exit Setup.	tions Setup Wizard Ins on your computer. The installed icons. Finish	Click Finish to close the Setup Wizard
DevTest Broker Service Manual DevTest Coordinator Service Manual DevTest Enterprise Dashboard Service Manual DevTest Portal Service Manual DevTest Portal Service Manual DevTest Registry Service Manual DevTest Simulator Service Manual DevTest Simulator Service Manual DevTest Simulator Service Manual DevTest VSE Service Manual Permissions for Users Allow Dery Full control Vitie V Read & execute V List folder contents V Write V For special permissions or advanced settings, dick Advanced. Advanced Learn about access control and permissions Advanced	Local System Local System Local System Local System Local System Local System	After installation, the DevTest Enterprise Dashboard Service must be started first prior to starting DevTest Registry Service(s), which have to register with the Enterprise Dashboard. Once registered DevTest Registry services can be started without a running DevTest Enterprise Dashboard Service. Note: Make sure that the installation directory (default on Windows: %PROGRAMFILES%\CA\DevTest) is enabled for Read/Write access for all users . Otherwise import of RR Pairs will fail. Reason: the import will store data in the projects folder under {{LISA_HOME}}, which is installed at path under %ProgramFiles%

DevTest Broker DevTest Coordinator DevTest Enterprise DevTest Portal DevTest Registry DevTest Simulator DevTest VSE	Coordinate Receives D Enables th Provides a Started Runs DevT Enables th	Manual Manual Manual Manual Manual Manual	Local System Local System Local System Local System Local System Local System	Start the DevTest (9.0) services in this order – - DevTest Enterprise Dashboard - DevTest Registry
Creview Creview Creview Registry Define Name Registry Creview Registry Creview	Dard v9.0.0 (9.0.0.297) Name tg://wydo0112270:0010/Registry	Status Stopped	Version 8.5.0 (8.5.0.299)	The Enterprise Dashboard UI comes up and shows the older 8.x Registry information.
DevText Enterprise Dathon: x ← → C Docalhost: 1506 Enterprise Dashi Overdew Registry Display Name Display Name Pagatry@warko0112270.ca.com:2010	Doard v9.0.0 (9.0.0.297)	Status Running	Version 9.0.0 (9.0.0.297)	The new 9.0 Registry comes up and is shown in the Dashboard. This new Registry replaces the old 8.x registry.

)) incontainer	12/8/2015 3:05 AM	File folder	Verify that the lisatmp_9.0.0 folder is created
🌗 jre	12/8/2015 3:05 AM	File folder	This is if DevTest is started as (Windows)
🔑 lib	12/8/2015 3:05 AM	File folder	services. If started as regular application from
\mu licenses	12/8/2015 3:05 AM	File folder	cmd line lisatmp_9.0.0 is under
	12/8/2015 7:02 AM	File folder	%USERS%\ <user></user>
locks	12/8/2015 7:01 AM	File folder	
퉬 Projects	12/8/2015 3:05 AM	File folder	
鷆 searchData	12/8/2015 3:05 AM	File folder	
鷆 snmp	12/8/2015 3:05 AM	File folder	
鷆 tmp	11/16/2015 12:04 AM	File folder	
鷆 umetrics	12/8/2015 3:05 AM	File folder	
鷆 vseDeploy	10/12/2015 3:34 PM	File folder	
퉬 vseRecording	10/12/2015 3:34 PM	File folder	
퉬 webserver	12/8/2015 3:07 AM	File folder	
DevTetEnterprise Dashbi x DevTetConsole x	Devtes Pevtes Verses	Lop	Since this is the first time the Registry is starting, give it a couple of minutes to load the various Consoles. Then verify that you can login to the DevTest Console (port 1505) and login as admin/admin
			Now start the DevTest Broker service followed by the DevTest Portal Service must be started. Then start the Coordinator, Simulator and the VSE services.

At this point, the installation of DevTest 9.0 is complete. The next section will focus on the Post installation tasks

Chapter 5: Post-Installation Tasks

Configuring DevTest 9.0

This section will focus on configuring this DevTest installation similar to your existing LISA environment

Consideration during the upgrade from 8.x to 9.0

Properties files

- The local.properties and the site.properties files were preserved from prior to the upgrade which is why those files were picked up by the Registry during startup and the used seamlessly
- The lisa.properties file will be replaced by the upgrade process as this file can be updated by CA Technologies at any time. So if you had any additions to that file, take those lines from the backup and add it to the local.properties file instead and restart the Registry

Virtual Services

- The vseDeploy folder was not touched by the upgrade process. So after the upgrade when the VSE services is started, the VS that were running prior to the upgrade will be redeployed and they should work seamlessly. Here are 11 VS that were redeployed automatically after the upgrade to 9.0. These 11 VS were running in the 8.x install prior to the release

DevTest Network	Virtual Service Environment: YSE@Default				
A 2 DevTest Cloud Manager	Services Recordings Metrics				
 人 丛 Default 	🖻 🗢 🏹 🍈 🏟 🔇 S 🔲 🔦 🌮 All Groups 🔹				
Coordinator					
Simulators (1)	Name	Resource / Type	Status	Up-Time	
● Vse ● Available Labs	mq-orders	Orders.Request.Proxy, Orders.Response.Proxy, Orders.Request, Orders.Response	P Loaded		
	test-kw	51919 : http : : /	Running	0:08:38	
	mimi1.	30884 : http : : /	🧬 Running	0:08:38	
	mimi-ac	45919 : http : : /	Running	0:08:38	
	<u>hikevin</u>	24051 : http : : /	🧬 Running	0:08:38	
	<u>kevin</u>	9292 : http : : /	Running	0:08:38	
	michael	28675 : http : : /	🌮 Running	0:08:38	
	test123	42713 : http : : /	🚱 Running	0:08:38	
	aded	10118 : http : : /	🌮 Running	0:08:38	
	hello	59431 : http : : /	Running	0:08:38	
	dean	17522 : http : : /	🌮 Running	0:08:38	

In your case, you should see your Virtual Services deployed and running. The screenshot shows a Virtual Service as a sample only and you might not have those in your environment.

Custom Extensions

- If the The hotdeploy folder had any custom files, they are not affected by the upgrade process and those files are retained after the upgrade.opy those 2 custom extensions to the C:\Program Files\CA\DevTest\hotDeploy folder

Custom Libs

- Any custom jars in LISA_HOME\lib folder are retained after the upgrade
- If there was a lib\patches folder prior to upgrade, it is renamed to patches.backup
- So there is a manual step of renaming the patches.backup to patches

Projects folder

- The Project folder is retained after the upgrade. So you will see all your custom projects in there even after the upgrade

Custom Folders

- If there were any custom folders under the LISA_HOME location they are not touched by the upgrade

Database

- In-place database upgrade is now supported. Which means there is no need to create a new database for the upgrade process. Instead when the Registry and the Dashboard are started, their schema is automatically upgrade. In this way, all your old database information is retained.

Chapter 6: Verifying Installation

DevTest Workstation

	From the shortcut on the desktop, open the DevTest Workstation Login as admin/admin The Examples project opens by default Expand the Tests folder and double-click to select and open the DevTest_config_info.txt test
Test Events Simulator Instance Short Info Long Info 2015-12-08 07:25:45,172 Test ended 0/0 C2E728980A611E59F566C C2E728980A611E59F566C 2015-12-08 07:25:45,072 Cde ending tcp://warko0112270:2014/Simulator 0/0 C200873590A611E59F566C Signaled to stop test 2015-12-08 07:25:35,029 Test started tcp://warko0112270:2014/Simulator 0/0 C202873590A611E59F566C Signaled to stop test 2015-12-08 07:25:35,029 Test started N/A 0/0 C22728969DA611E59F566C N/A	Right click and Stage this test to the coordinator and start the test This test should complete successfully.

DevTest Coordinator Receives D Manual DevTest Enterprise Enables th Started Manual DevTest Portal Enables th Started Manual DevTest Registry Provides a Started Manual DevTest Simulator Runs DevT Manual DevTest VSE Enables th Started Manual	From Windows Services, verify that the DevTest Broker service is running. If not, start this service Start the DevTest Portal service
Contract Contractor and Contract Contracts X Contract Contract Contracts X Contract Contract X	Once the service starts, wait for about 3-5 minutes (for the first time only). Then go to the DevTest Portal UI at port 1507 Login as admin/admin
Cost C	Click on the Monitor tab and then on the Tests. You should see your test(s) as passed. To get more information on the Test Case, click on the Name link of the test case to drill down into the details. You can click on each step of the test case to drill further down into greater details and look at the request data and the response data!
Now you can continue to use all the great new features of DevTest 9.0!	