

AD SWAT

DevTest
9.0



Upgrade DevTest from 8.x to 9.0

CA DevTest 9.0

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Date: December 2015

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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 in-place upgrade.

Supported Internet Browsers

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

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 -

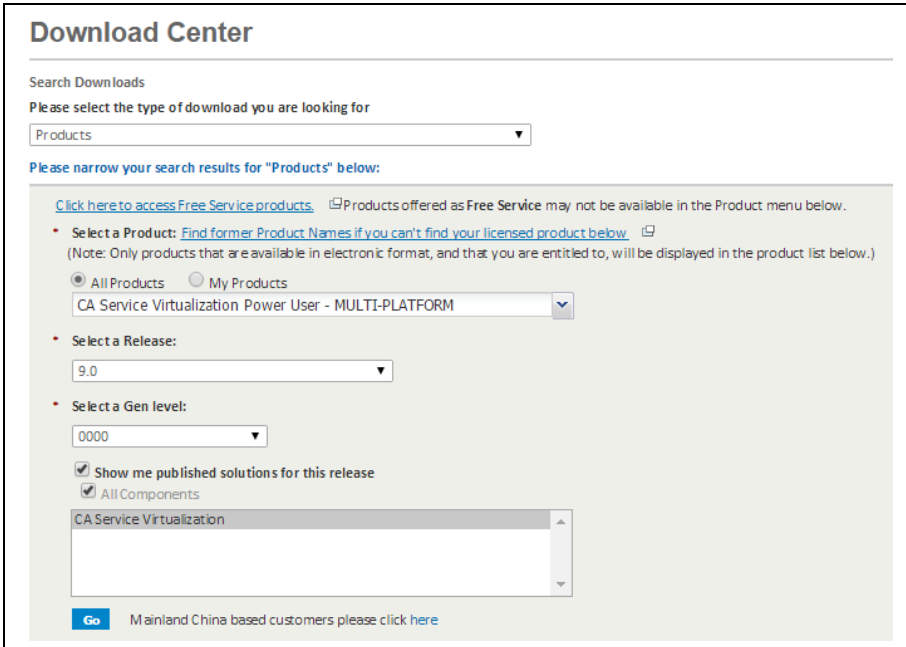
- The entire existing DevTest 8.x folder

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

	<p>DevTest 9.0 can be downloaded from the CA Support site at http://support.ca.com → Download Center -->Products. Search for CA Service Virtualization</p>
--	---

Product Components					Add to cart	Download
DevTest 9.0 Demo Server GEN11140624E.zip	N/A	11/16/2015	419.16MB	<input type="checkbox"/>	Download	
DevTest 9.0 Linux GEN11140710E.zip	N/A	11/16/2015	1.02GB	<input type="checkbox"/>	Download	
DevTest 9.0 Linux x64 GEN11140742E.zip	N/A	11/16/2015	1.02GB	<input type="checkbox"/>	Download	
DevTest 9.0 OSX GEN11140809E.zip	N/A	11/16/2015	1.26GB	<input type="checkbox"/>	Download	
DevTest 9.0 Solaris Sparc GEN11140840E.zip	N/A	11/16/2015	1.23GB	<input type="checkbox"/>	Download	
DevTest 9.0 Solaris x64 GEN11140915E.zip	N/A	11/16/2015	1.23GB	<input type="checkbox"/>	Download	
DevTest 9.0 Unix (no JRE) GEN11140941E.zip	N/A	11/16/2015	1.35GB	<input type="checkbox"/>	Download	
DevTest 9.0 Windows GEN11141006E.zip	N/A	11/16/2015	1.08GB	<input type="checkbox"/>	Download	
DevTest 9.0 Windows x64 GEN11141033E.zip	N/A	11/16/2015	1.08GB	<input type="checkbox"/>	Download	

Depending on your permissions, you should see the above. If you are not able to view similar to above, please contact your account manager

Once you select Go, you will see a list of the installers for various operating systems as well as the zip for the DevTestDemoServer as shown below

There is a single installer per platform

The installer starts with prefix 'DevTest' so the installer for Windows 64 Bit will be called 'DevTest_win_x64.exe'.

Product Components					Add to cart	Download
DevTest 9.0 Demo Server GEN11140624E.zip	N/A	11/16/2015	419.16MB	☒	[Download](#)	
DevTest 9.0 Linux GEN11140710E.zip	N/A	11/16/2015	1.02GB	☐	[Download](#)	
DevTest 9.0 Linux x64 GEN11140742E.zip	N/A	11/16/2015	1.02GB	☐	[Download](#)	
DevTest 9.0 OSX GEN11140809E.zip	N/A	11/16/2015	1.26GB	☐	[Download](#)	
DevTest 9.0 Solaris Sparc GEN11140840E.zip	N/A	11/16/2015	1.23GB	☐	[Download](#)	
DevTest 9.0 Solaris x64 GEN11140915E.zip	N/A	11/16/2015	1.23GB	☐	[Download](#)	
DevTest 9.0 Unix (no JRE) GEN11140941E.zip	N/A	11/16/2015	1.35GB	☐	[Download](#)	
DevTest 9.0 Windows GEN11141006E.zip	N/A	11/16/2015	1.08GB	☐	[Download](#)	
DevTest 9.0 Windows x64 GEN11141033E.zip	N/A	11/16/2015	1.08GB	☒	[Download](#)	

You can either *Download* from here directly or select *Add to Cart* for the various downloads (as required) and then select *View Download Cart*.

My Download Cart

View 6 Day Cart History

View Download Instructions

Empty Cart

Product	Release	OS	Title	Fix #	File	Delete	Download
CA Service Virtualization Power User - MULTI-PLATFORM	9.0	N/A	DevTest 9.0 Windows x64	N/A	GEN11141033E.zip		Download
CA Service Virtualization Power User - MULTI-PLATFORM	9.0	N/A	DevTest 9.0 Demo Server	N/A	GEN11140624E.zip		Download

Checkout

Please verify your email address in case we need to notify you regarding your download order. Then click Checkout to begin the checkout process.

Choose one of the methods for download and start the download to your Download location

Name

devtest_win_x64 DevTestDemoServer devtestlic

Extract both the zip and you would see the respective folders for DevTest 9.0 installer and DemoServer

Copy your license file as well as the optional DevTestDemoServer.zip to the folder that contains the DevTest 9.0 installer file

Chapter 4: Installation

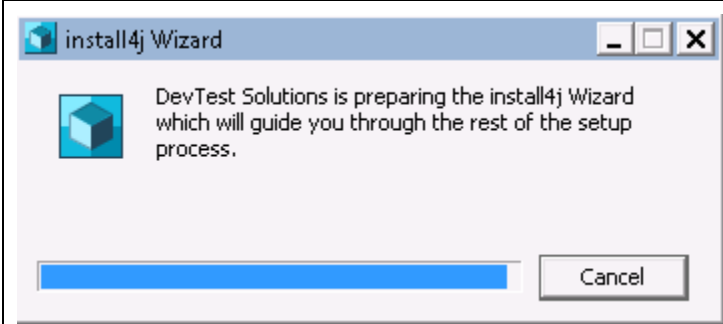
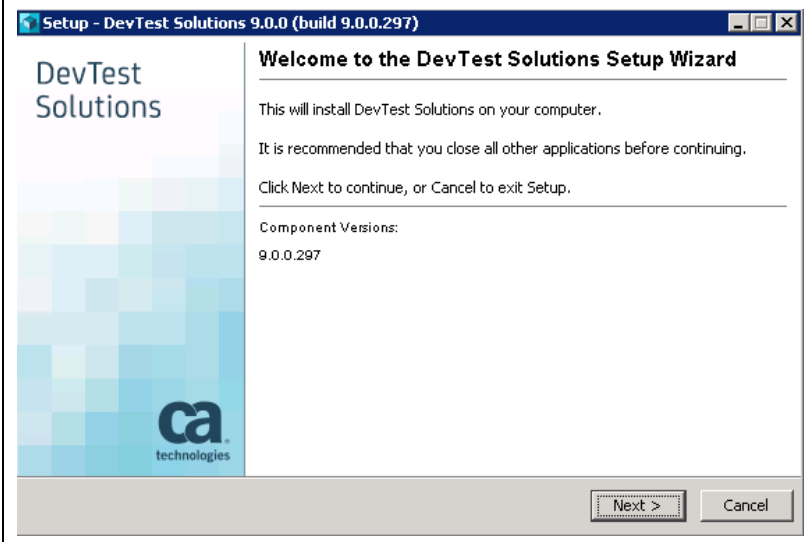
Shutdown DevTest Windows Services

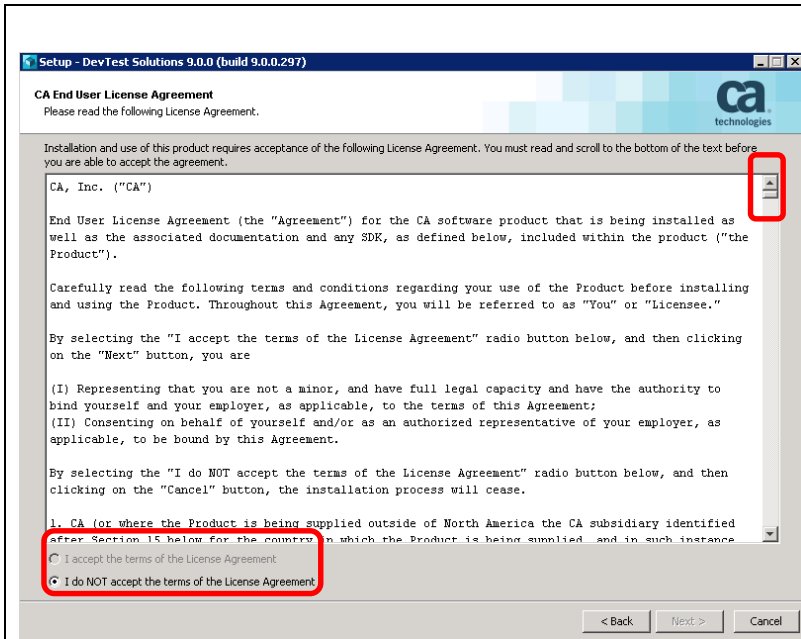
If you have any DevTest UI's or Workstation currently open then this would be a good time to close all those. Also if the DemoServer is running shut it down before the following steps.

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.

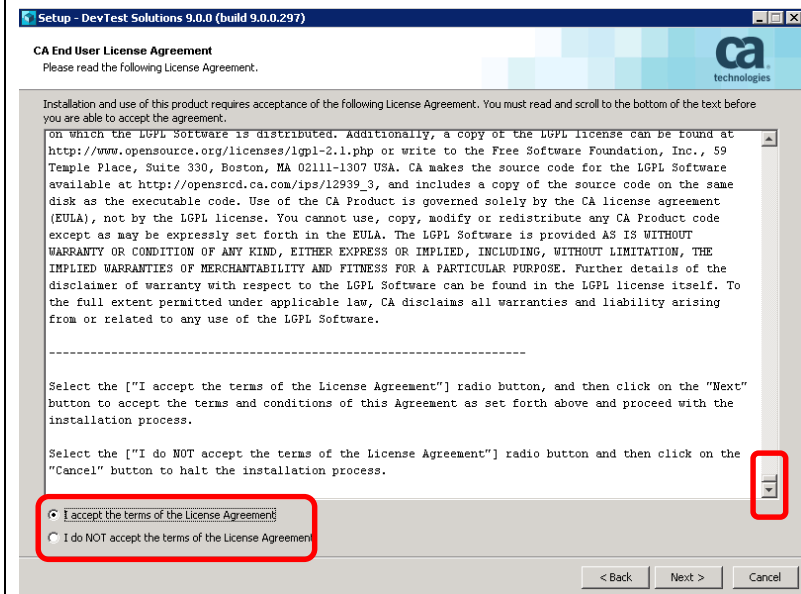
- DevTest Enterprise Dashboard
- DevTest Registry Service
- DevTest Coordinator Service
- DevTest Simulator Service
- DevTest VSE Service
- DevTest Portal Service

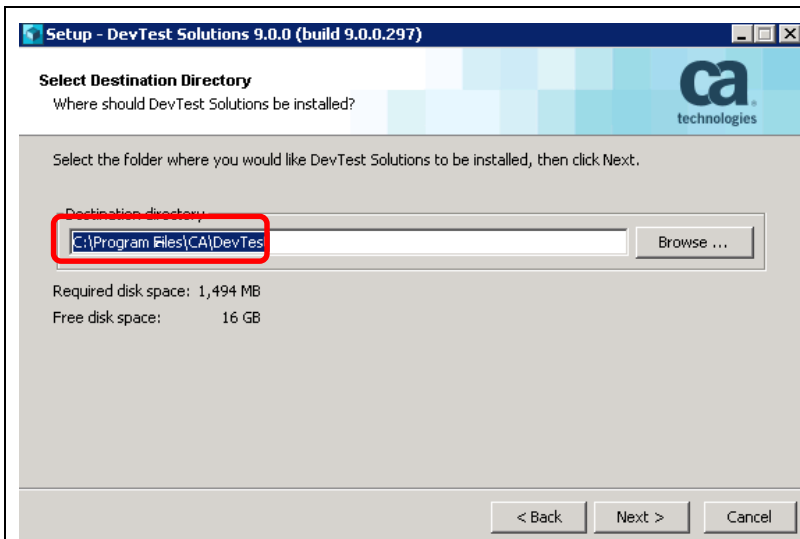
Installation steps to upgrade to DevTest 9.0

	<p>Double clicking on the DevTest 9.0 installer starts the setup wizard.</p>
	<p>The setup wizard guides you through the install procedure, querying for mandatory and optional product settings.</p>



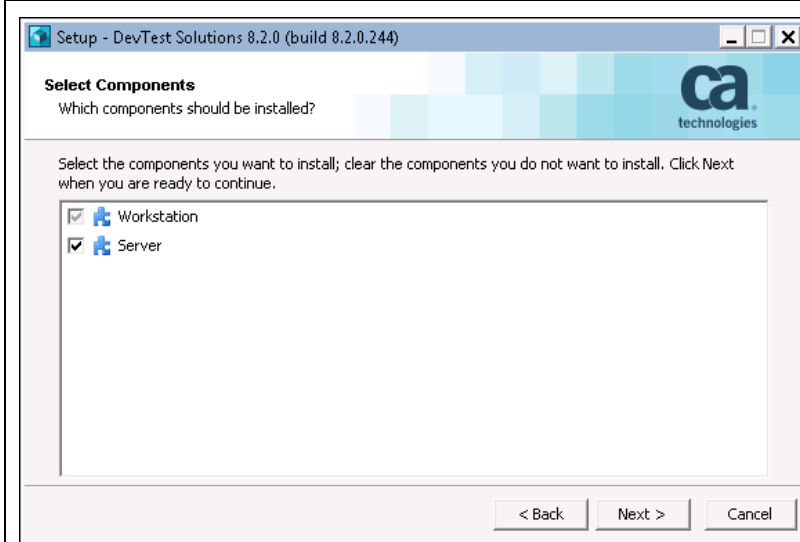
As with other CA products the installer now requires the user to scroll down the entire EULA before being able to accept it.





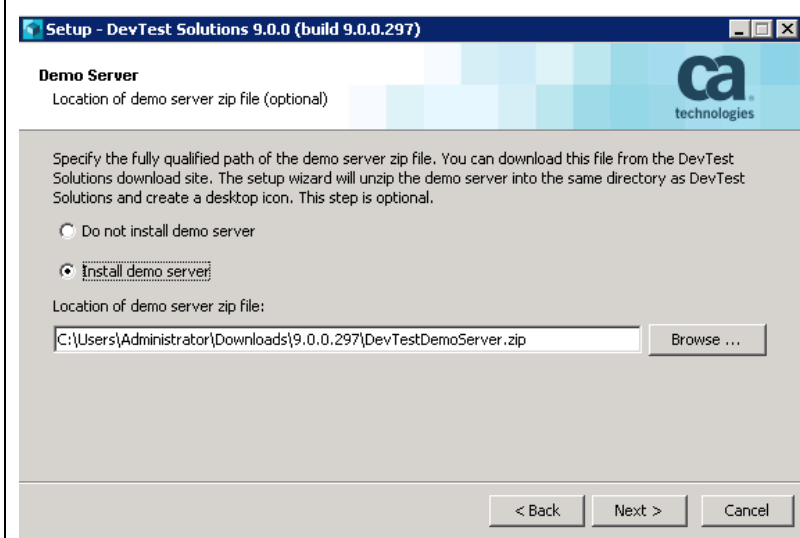
Since you already have DevTest 8.x, the installer picks up that path

Note: You have already taken a backup of this folder. We will be doing an in-place upgrade.

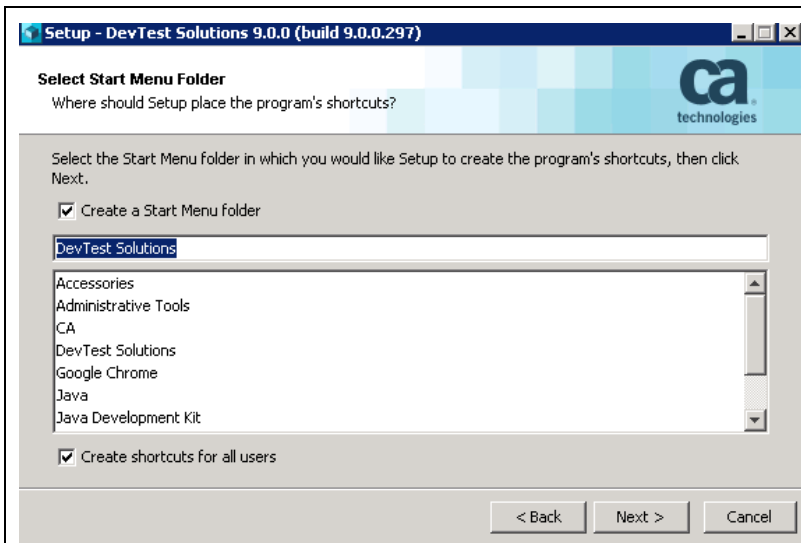


Options are offered to deselect the installation of server components.

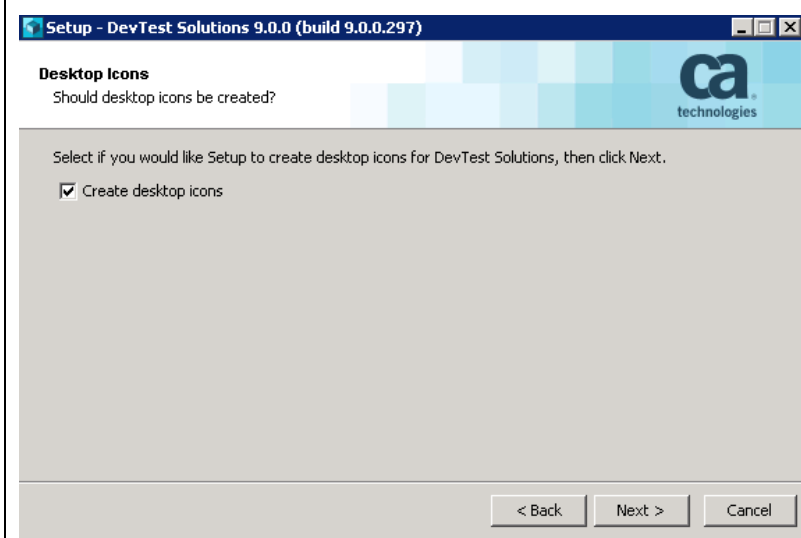
The Workstation component can be deselected only if the server component is deselected before. This means the server installation requires a workstation installation.



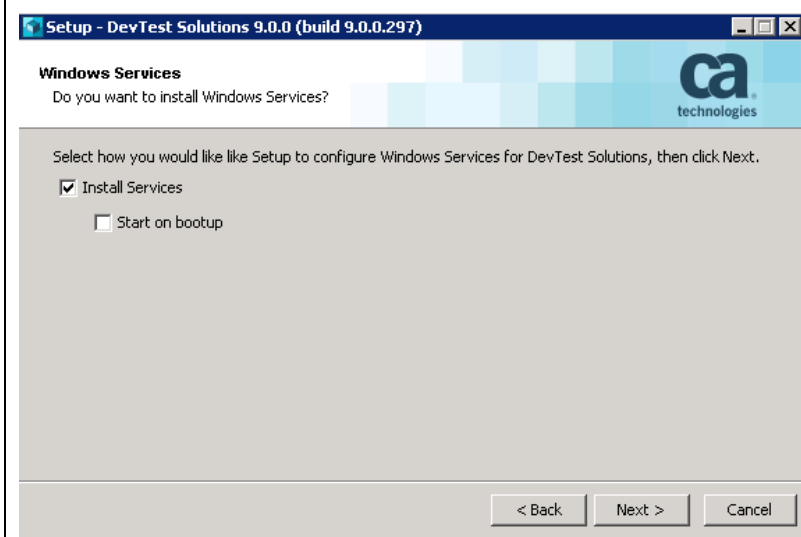
When opting for demo server installation the user must specify the location of the demo server zip file – just as with previous releases.



The installer queries for the name of the Menu Folder for DevTest, and whether or not it will be part of the Windows Start menu and whether or not Menu shortcuts shall be created for all



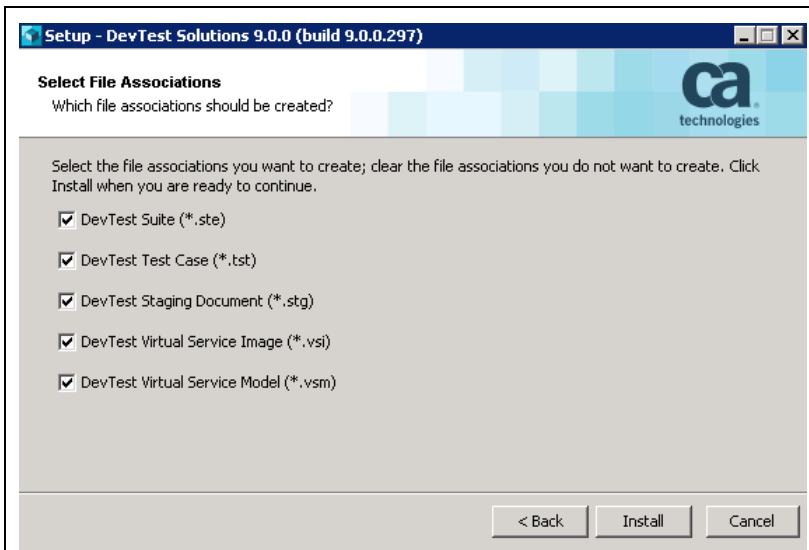
The next question is about whether or not the user wants to have a desktop icon for DevTest solutions.



By default the DevTest services are installed as Windows services.

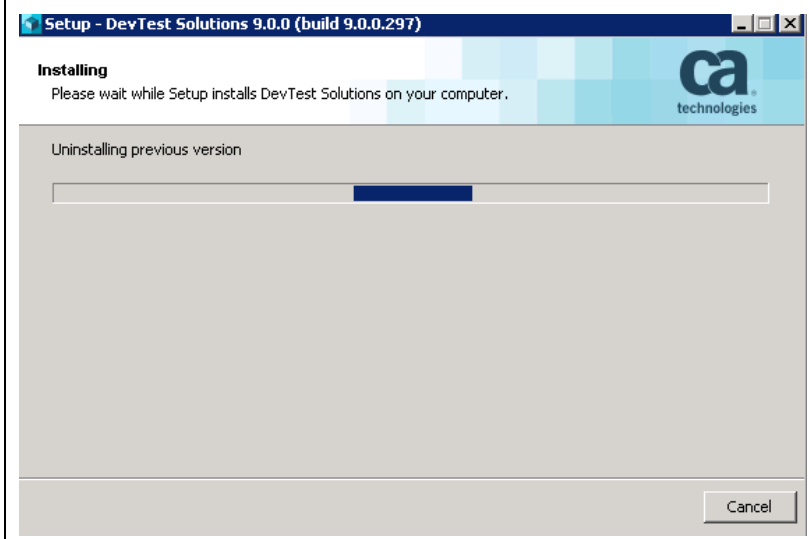
Optionally, the installer can configure the DevTest services for automatic start at system start up.

With the default options DevTest services must be started manually.

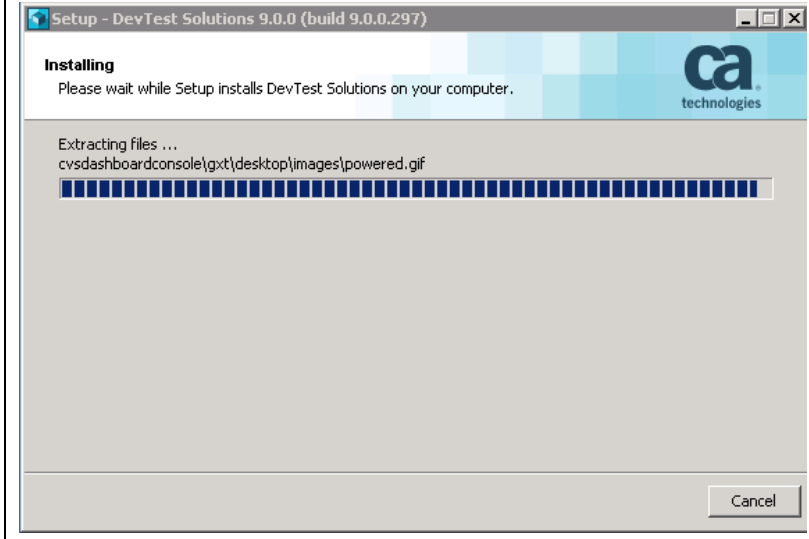


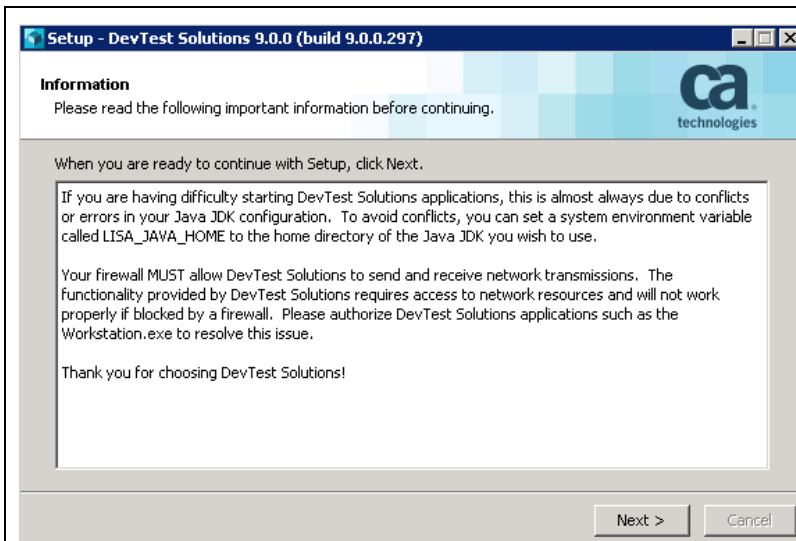
Eventually options are offered to associate file with DevTest solutions.

Clicking on the Install button launches the installation process.



Installation progress is indicated by the progress bar. The installation takes about 6 to 10 minutes to complete.





Once the installation is completed some post install instructions are provided. Please read and follow carefully.

Click Next to finish the installation.

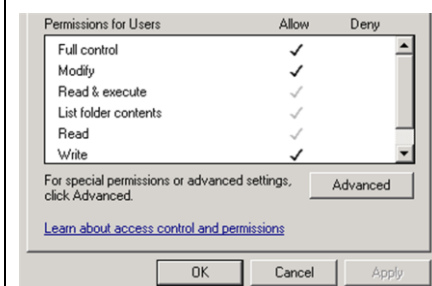


Click Finish to close the Setup Wizard

DevTest Broker Service	Manual	Local System
DevTest Coordinator Service	Manual	Local System
DevTest Enterprise Dashboard Service	Manual	Local System
DevTest Portal Service	Manual	Local System
DevTest Registry Service	Manual	Local System
DevTest Simulator Service	Manual	Local System
DevTest VSE Service	Manual	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.



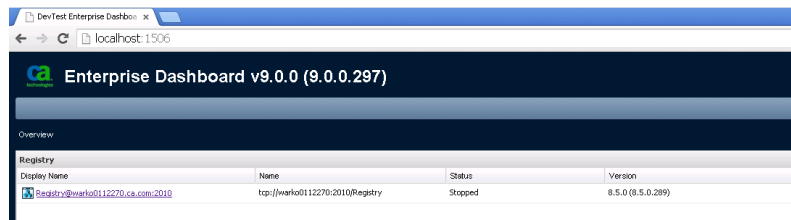
Note: Make sure that the **installation directory** (default on Windows: %PROGRAMFILES%\CA\DevTest) is enabled for **Read/Write access for all users**.

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%

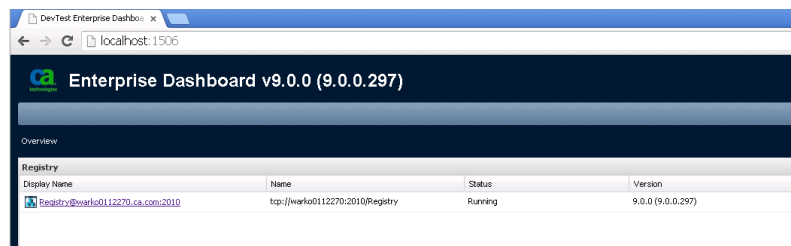
DevTest Broker	Coordinate...		Manual	Local System
DevTest Coordinator	Receives D...		Manual	Local System
DevTest Enterprise...	Enables th...	Started	Manual	Local System
DevTest Portal	Enables th...		Manual	Local System
DevTest Registry	Provides a ...	Started	Manual	Local System
DevTest Simulator	Runs DevT...		Manual	Local System
DevTest VSE	Enables th...		Manual	Local System

Start the DevTest (9.0) services in this order –

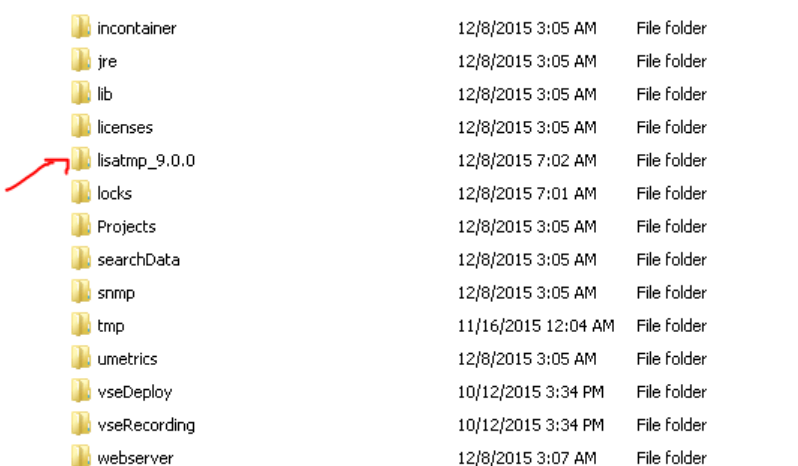
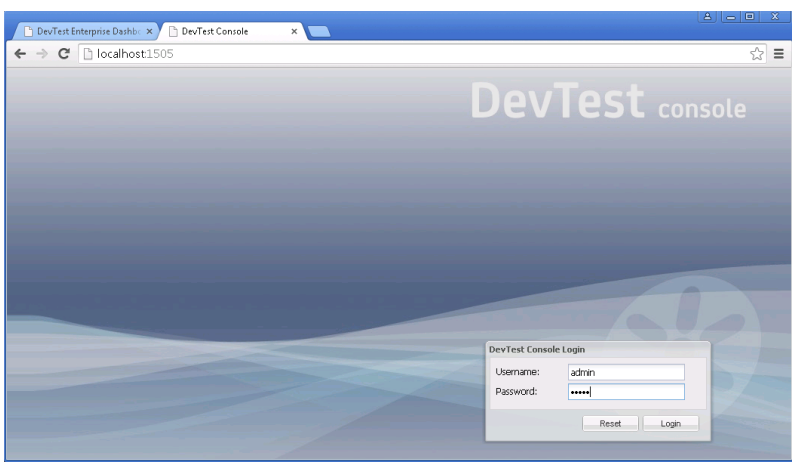
- DevTest Enterprise Dashboard
- DevTest Registry



The Enterprise Dashboard UI comes up and shows the older 8.x Registry information.



The new 9.0 Registry comes up and is shown in the Dashboard. This new Registry replaces the old 8.x registry.

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

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

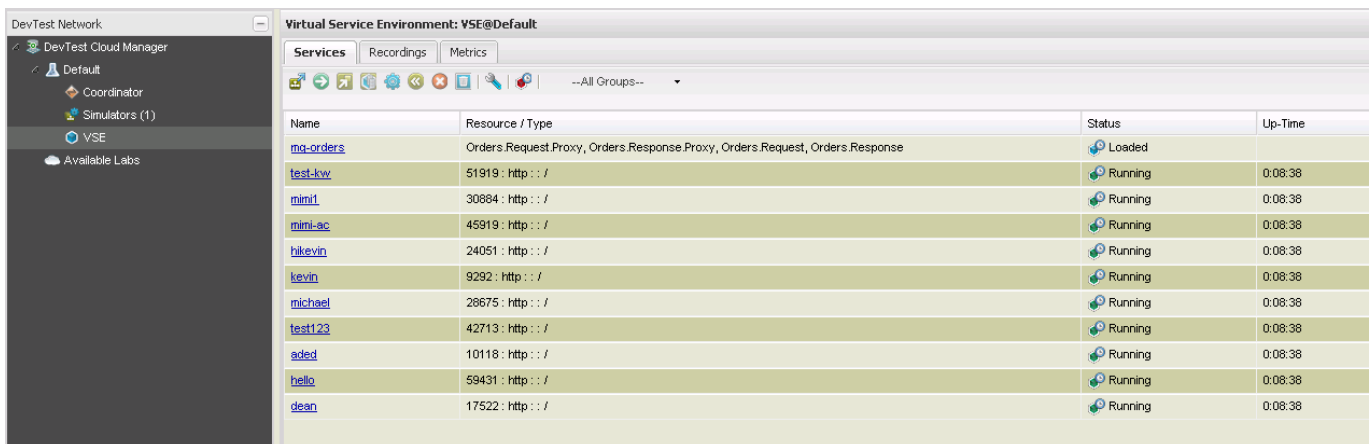
Consideration during the upgrade from 8.x to 9.0

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



The screenshot shows the DevTest Network interface. On the left is a sidebar with 'DevTest Cloud Manager' and a tree view containing 'Default', 'Coordinator', 'Simulators (1)', 'VSE', and 'Available Labs'. The main panel is titled 'Virtual Service Environment: VSE@Default' and has tabs for 'Services', 'Recordings', and 'Metrics'. Below the tabs is a table of services.

Name	Resource / Type	Status	Up-Time
mq-orders	Orders.Request.Proxy, Orders.Response.Proxy, Orders.Request, Orders.Response	Loaded	
test-kw	51919 : http : /	Running	0:08:38
mini1	30884 : http : /	Running	0:08:38
mini-ac	45919 : http : /	Running	0:08:38
hikevin	24051 : http : /	Running	0:08:38
kevin	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

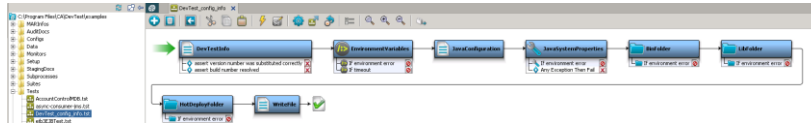
- If there were any custom folders under the LISA_HOME location they are not touched by the upgrade

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					
Timestamp	Event	Simulator	Instance	Short Info	Long Info
2015-12-08 07:25:45,172	Test ended		0/0	C2E72B9B9DA611E58F5C6C...	
2015-12-08 07:25:45,047	Cycle ending	tcp://warko0112270:2014/Simulator	0/0	C800B7359DA611E59A776C...	Signaled to stop test
2015-12-08 07:25:35,029	Cycle started	tcp://warko0112270:2014/Simulator	0/0	C800B7359DA611E59A776C...	
2015-12-08 07:25:35,029	Test started	N/A	0/0	C2E72B9B9DA611E58F5C6C...	N/A

Right click and Stage this test to the coordinator and start the test

This test should complete successfully.

<div><div><div>DevTest Coordinator</div><div>Receives D...</div><div>Started</div><div>Manual</div></div><div><div>DevTest Enterprise...</div><div>Enables th...</div><div>Started</div><div>Manual</div></div><div><div>DevTest Portal</div><div>Enables th...</div><div>Started</div><div>Manual</div></div><div><div>DevTest Registry</div><div>Provides a ...</div><div>Started</div><div>Manual</div></div><div><div>DevTest Simulator</div><div>Runs DevT...</div><div></div><div>Manual</div></div><div><div>DevTest VSE</div><div>Enables th...</div><div>Started</div><div>Manual</div></div></div>	<div>From Windows Services, verify that the DevTest Broker service is running. If not, start this service</div> <div>Start the DevTest Portal service</div>												
<div><div>DevTest Enterprise Dashbo...DevTest ConsoleDevTest Portallocalhost:1507/devtest/#/login</div><div><div>DevTest PortalVersion: 9.0.0</div><div>Log In</div><div>User Nameadmin</div><div>Password*****</div><div>Log in</div><div>Registry: warkid0112270-2010</div><div>CA DevTest is configured with non-production database @webys</div></div></div>	<div>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</div> <div>Login as admin/admin</div>												
<div><div>DevTest Portal</div><div>HomeMonitoring Tests</div><div>Summary (User Specified)</div><div>User SpecifiedFrom: 08/01/2015 7:27:20 AMTo: 12/08/2015 7:28:37 AMExecuted By: -- all --</div><div>1000000</div><div>PassedFailedAbortedErrorsWarningsRunning</div><div>Suites/Tests</div><div><table><thead><tr><th>Name</th><th>Status</th><th>Messages</th><th>Start Time</th><th>Duration</th><th>Executed By</th></tr></thead><tbody><tr><td>DevTest_config_info</td><td>✓</td><td></td><td>12/08/2015 7:25:35 AM</td><td>10.1s</td><td>admin</td></tr></tbody></table></div></div>	Name	Status	Messages	Start Time	Duration	Executed By	DevTest_config_info	✓		12/08/2015 7:25:35 AM	10.1s	admin	<div>Click on the Monitor tab and then on the Tests. You should see your test(s) as passed.</div> <div>To get more information on the Test Case, click on the Name link of the test case to drill down into the details.</div> <div>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!</div>
Name	Status	Messages	Start Time	Duration	Executed By								
DevTest_config_info	✓		12/08/2015 7:25:35 AM	10.1s	admin								
<div>Now you can continue to use all the great new features of DevTest 9.0!</div>													

