



CA Service Virtualization: Upgrading to DevTest 10.2

January 2018



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Agenda

1 WHY UPGRADE CA SERVICE VIRTUALIZATION?

2 UPGRADING: TIPS AND TRICKS

3 RESOURCES

4 Q&A

Why Upgrade?

CA Service Virtualization Versions

Version End of Service Date	
v8.1-v8.4	1-Jul-2017
v8.5-v9.0	15-Oct-2017
v9.1	1-Feb-2018
v9.5 & v9.5.1	20-Jul-2018
v10.0	21-Dec-2018
v10.1	18-April- 2019
v10.2	—

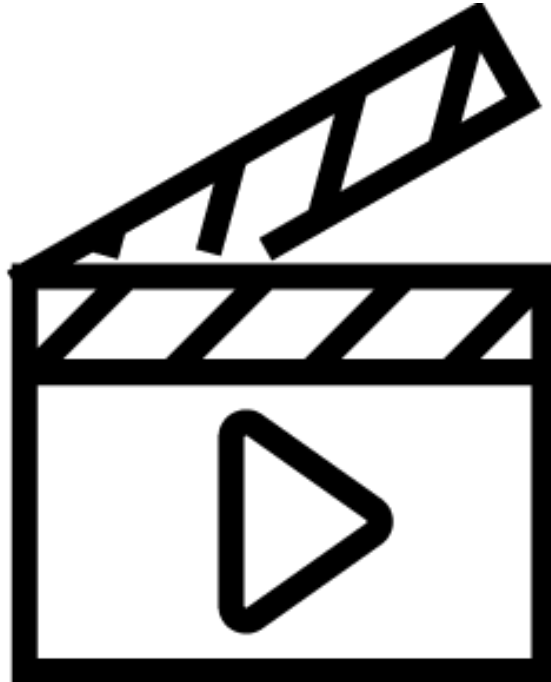
Why Upgrade to v10.2?

- Access to support experts
- Faster issue resolution when issue is reported

Access New CA Service Virtualization Features

- **Separate data directory** for workstation users.
 - Data directory contains user's configuration files, customizations, projects and assets
- **Enhanced Enterprise Dashboard Reporting**
 - Track usage data such as transactions and virtual services per month
 - Built in return on investment calculator

Feature Demo!



Access New CA Service Virtualization Features

- **The REST step now supports HEAD, PATCH and OPTIONS methods**
- **Improvements to database migrations**
- **Improvements to Session Tracking and Inspection**
 - Enhancements include ability to view data in separate tab, resize information, filter by group tag, etc.

List of Additional Improvements:

<https://docops.ca.com/display/DTS1024/New+Features+and+Enhancements>

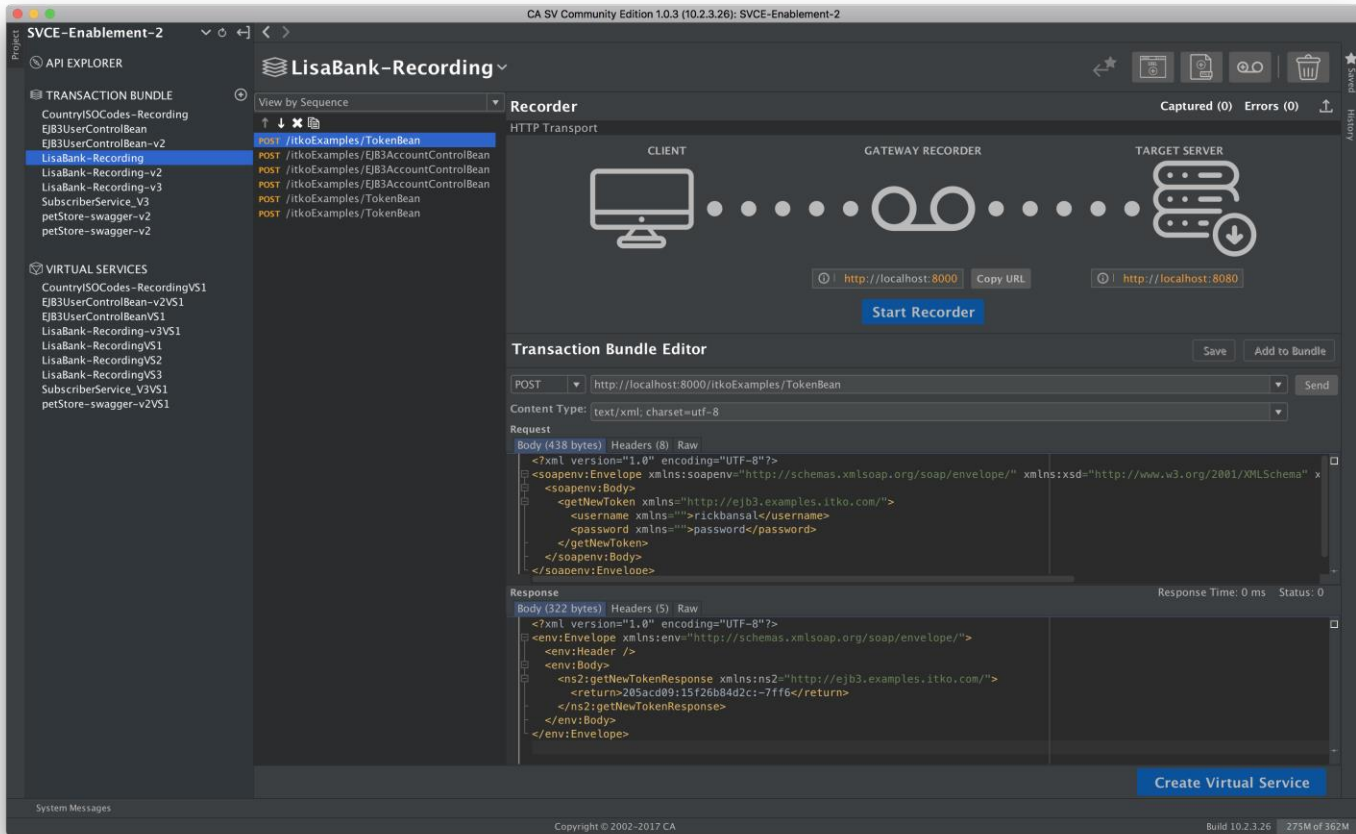


New CA Service Virtualization Offerings

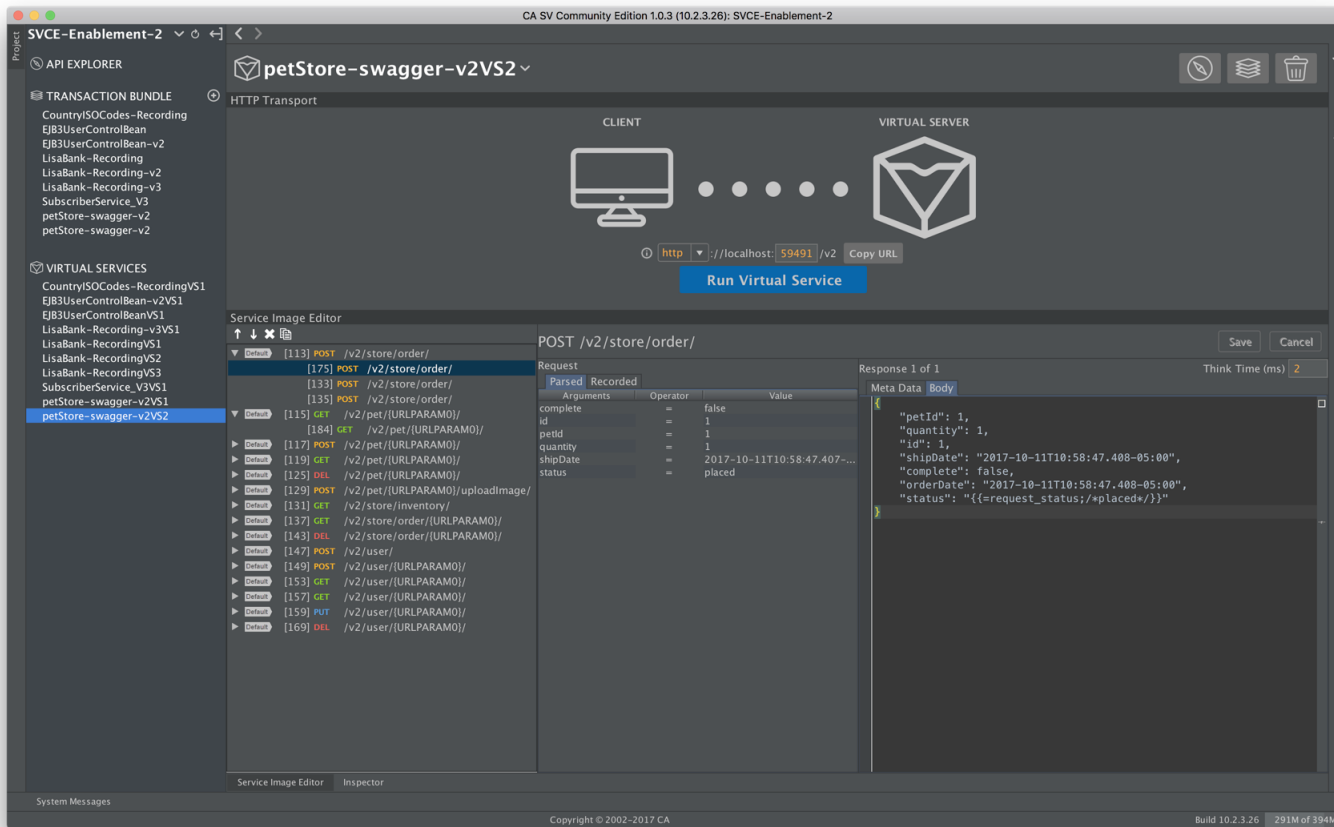
- **CodeSV** fluent, Java-based interface (API) that allows developers to code the behavior of an endpoint – essentially allowing you to virtualize HTTP traffic in just a few minutes
 - <http://codesv.io/>
- **CA Service Virtualization Community Edition** simple webservice virtual service creation
 - <https://www.ca.com/us/trials/ca-service-virtualization-community-edition.html>

```
> @Rule
> public VirtualServerRule vs = new VirtualServerRule();
>
> @Test
> public void
testSimpleHttpGetWithResponseCodeAndStringBody() throws
IOException {
>     forGet(URL).doReturn(
>         aMessage(CUSTOM_STATUS_CODE)
>             .withStringBody(RESPONSE_BODY_GET)
>     );
>
>     HttpGet httpGet = new HttpGet(URL);
>     HttpClient httpClient =
HttpClientBuilder.create().build();
>     HttpResponse httpResponse = httpClient.execute(httpGet);
>
>     assertEquals(CUSTOM_STATUS_CODE,
httpResponse.getStatusLine().getStatusCode());
```

CA Service Virtualization CE – Look and Feel



CA Service Virtualization CE – Look and Feel



Release Notes: Comparison of Features

Key Features	Release 10.2	Release 10.1	Release 10.0	Release 9.5	Release 9.1	Release 9.0
Application Test Enhancements						
REST step supports the HEAD, PATCH, and OPTIONS methods	yes	no	no	no	no	no
Create baseline tests from Swagger 2.0	yes	yes	yes	no	no	no
Create baseline tests from virtual services	yes	yes	yes	no	no	no
Convert large data data set to comma-separated value (CSV) file	yes	yes	yes	yes	no	no
HP ALM Plugin for DevTest 64-Bit	yes	yes	yes	yes	no	no
CA Agile Central report generator	yes	yes	yes	yes	no	no
JMS support for ActiveMQ direct connection factory	yes	yes	yes	yes	no	no
Failed to Stage status added to Monitoring Tests window	yes	yes	yes	yes	yes	no
Selenium support for Firefox 43	yes	yes	yes	yes	yes	no

Tips & Tricks

Preparing for a CA Service Virtualization Upgrade!

Back-up Environment

- Assets
- The DevTest Directory
- Registry Database
- Enterprise Dashboard Database*

* For 7.5.x you must uninstall the Enterprise Dashboard

Prepare Database Migration

- Ensure configuration registry and enterprise has full DBA privileges

Know IT Environment

- Hostname, IP addresses, SSL Certificates, LDAP Configuration, DB configuration

Best Practices

- Upgrade a **Sandbox** Environment
 - Low risk
 - Validate that upgrade process is smooth
 - Validate that virtual services and tests work as expected
 - Familiarize yourself with new features
- **Two ways** to upgrade to the latest version
 - In-Place
 - New Location

Steps to Upgrading

1. Download Installer. Have license key available
2. Shut Down Services and Applications
3. Run Installer
4. Configure Property Files
 - local.properties
 - site. properties
 - dradis.properties
 - vmoptions
5. Clear Browser Cache
6. For v8.x and above, ACL is mandatory.
Review [Access Control](#) feature.
7. Remote components: upgrade 1 by 1
8. Start DevTest Services:
 - Enterprise Dashboard, Registry, Portal, VSE, Coordinator, Simulator



Post installation



- Verify Enterprise Dashboard Connectivity
- Verify Registry Connectivity
- Verify Component Status
- Verify Portal Connectivity
- Verify Workstation Connectivity
- Deploy Virtual Service
- Verify Deployed Virtual Service
- Start Test Case
- Verify Test results

Resources

Documentation

Preparing Your DevTest Upgrade

Upgrade DevTest

After You Upgrade

Additional Upgrade Details

+ Migrating the SDK

+ Getting Started

+ Using

- Agents

+ DevTest Java Agent

+ DevTest CICS Agent

+ DevTest LPAR Agent

+ DevTest Mainframe Bridge

+ Administering

+ Reference

Preparing Your DevTest Upgrade

Last update November 28, 2017

Prepare Materials

- Review [new features and changes to DevTest](#)
- Ensure you have a [DevTest license](#)
- [Download DevTest Installer](#)

Know IT Environment

- Host name, IP addresses, SSL Certificates, LDAP configuration, database configuration
- Review [DevTest System Requirements](#)

Back Up Environment

- Assets (Example: your test cases and virtual services are in a source control repository)

Prepare Database Migration

- Ensure configuration files for registry and Enterprise Dashboard have full DBA privileges

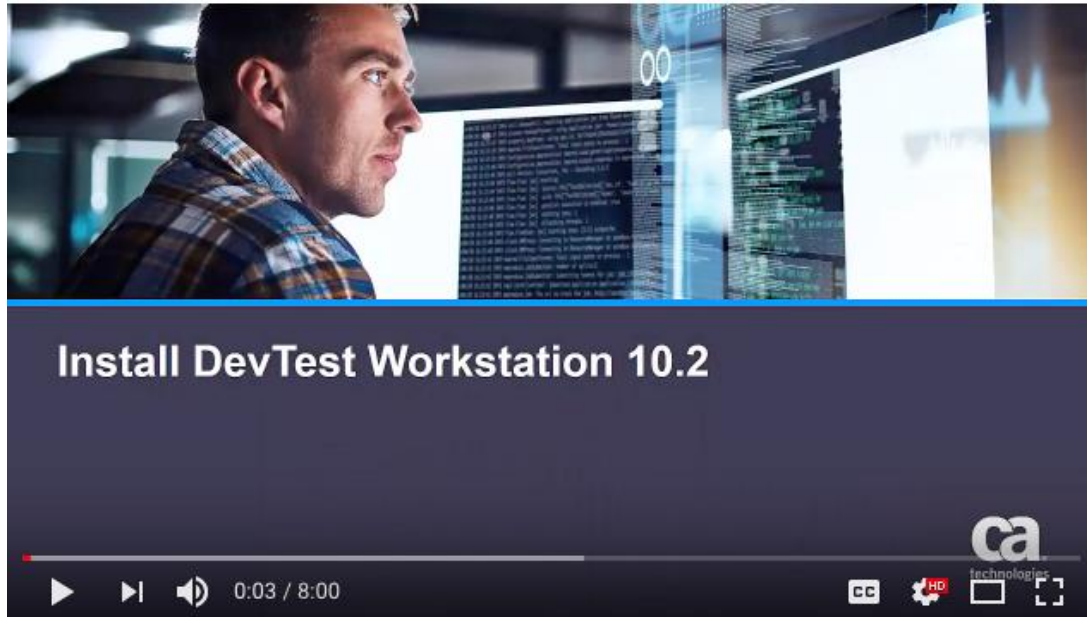
<https://docops.ca.com/devtest-solutions/10-2/en/installing/preparing-your-devtest-upgrade>

Community Upgrade Center

<http://cainc.to/SVUpgradeCntr>

Why Upgrade	Ready to Upgrade	After You Upgrade
<p>Learn about top new features in DevTest 10.1.</p> <p>Latest Release Information</p> <ul style="list-style-type: none">• DocOps: What's new with DevTest 10.1• DocOps: Release Notes DevTest 10.1• Blog: DevTest 10.1 is Generally Available (GA)• Blog: DevTest Server Console has Retired• DevTest Solutions Release and Support Lifecycle Dates (GA and EOS Information, Support Login required)• Demo DevTest Portal: Create Virtual Services from RR Pairs• Demo DevTest Portal: How to modify a Virtual Service after recording• Demo DevTest Portal: Using the CICS virtual service recording feature• Demo DevTest Portal: Using CICS Copybook payload mapping <p>Integration Opportunities</p> <ul style="list-style-type: none">• Demo of the End-to-End, Integrated CA Continuous Delivery Ecosystem• Demo of CA Application Test and CA Agile Central Integration• Demo of CA Service Virtualization and CA APIM	<p>Advice and best practices for an effective and seamless upgrade.</p> <p>Must-Read DocOps Before You Upgrade</p> <ul style="list-style-type: none">• System Requirements for DevTest 10.1• Reactivate a Registry or Enterprise Dashboard• Maintain Registries <p>Upgrade Best Practices</p> <ul style="list-style-type: none">• Guide: How To - Upgrade DevTest 8.x To DevTest 10.1• How To - Create VS using Swagger Specs• Blog: DevTest Architecture Best Practice - Overview <p>Training and Support</p> <ul style="list-style-type: none">• OnDemand DevTest Solutions 10.0: Installation and Configuration 200	<p>Useful resources for after you've upgraded.</p> <p>Must-Read DocOps</p> <ul style="list-style-type: none">• After you upgraded• Reactivate a Registry or Enterprise Dashboard• Maintain Registries• Logging <p>Get the Most Out of DevTest Solutions</p> <ul style="list-style-type: none">• Tech Tips: Best Practices Installing and Verifying DevTest Out of the Box <p>Are You Experiencing Issues or Need Help Troubleshooting?</p> <ul style="list-style-type: none">• After upgrading DevTest to versions 9.x/10.x got error 503 <p>Need Additional Help?</p> <p>Please search the DevTest Communities for your topic. If it is not listed, post a question to receive support from the DevTest community.</p> <p>If you seek further assistance, click here for CA Support.</p>

Install & Configuration Videos



Home Videos **Playlists** Channels Discussion About

DevTest Solutions 10.0 Installation a

Educate • 14 videos • 197 views • Last updated on Mar 30, 21

[▶ Play all](#) [↻ Share](#) [+ Save](#)

- 1 **Identifying Prerequisites for DevTest Solutions 10.0**
by Educate
- 2 **Downloading Installation Files for DevTest Solutions 10.0**
by Educate
- 3 **Running the Linux Installer Files for DevTest Solutions 10.0**
by Educate

https://www.youtube.com/watch?v=F3nh_DyvlMs&feature=youtu.be

<http://cainc.to/EDqrPC>

Education Course



The screenshot displays a video player interface for a course titled "88SVV20240 - DevTest Solutions 10.2: Installation and Configuration 200". The video title is "DevTest Solutions 10.2: Installation and Configuration 200". The video ID is "88SVV20240". The sidebar menu includes a "Course Outline" section with the following items: "DevTest Solutions 10.2: Installation and Configuration 200", "Installation Overview", "Introduction", "Course Introduction", "Prepare, Download, and Install", "Configure and Verify", and "Uninstall DevTest". The video player controls at the bottom include a search bar, a play button, a progress bar, a refresh button, and "PREV" and "NEXT" buttons. The CA Technologies logo is visible in the top left and bottom right corners.

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88SVV20240 - DevTest Solutions 10.2: Installation and Configuration 200 (00:06 / 1:22:36) Resources

Course Outline

- DevTest Solutions 10.2: Installation and Configuration 200
- Installation Overview
- Introduction
 - Course Introduction
 - Prepare, Download, and Install
 - Configure and Verify
 - Uninstall DevTest

Search...

DevTest Solutions 10.2: Installation and Configuration 200

88SVV20240

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PREV NEXT

Course: 88SVV20240 – Devtest Solutions 10.2: Installation and Configuration 200

<https://www.ca.com/us/education-training.html>

Attend an SV Roadmap Session



<https://www.ca.com/us/product-roadmaps.html>

Still need help?



1. Contact CA Support for help
2. Contact your Account Rep
3. Contact Presenters

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Beverly Mindle:

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Discussed

- Learn about the new features are available in CA Service Virtualization10.2
- Be able to prepare for an upgrade, perform an upgrade, and verify the upgrade
- Be able to utilize CA Service Virtualization support and upgrade resources

Questions?





Thank You.