



CA Service Virtualization: Upgrading to DevTest 10.3

April 2018



Legal Statement

© 2018 CA. All rights reserved. CA confidential & proprietary information. For CA, CA Partner and CA Customer use only. No unauthorized use, copying or distribution. All names of individuals or of companies referenced herein are fictitious names used for instructional purposes only. Any similarity to any real persons or businesses is purely coincidental. All trademarks, trade names, service marks and logos referenced herein belong to their respective companies. These Materials are for your informational purposes only, and do not form any type of warranty. The use of any software or product referenced in the Materials is governed by the end user's applicable license agreement. CA is the manufacturer of these Materials. Provided with "Restricted Rights." Use, duplication or disclosure by the United States Government is subject to the restrictions set forth in FAR Sections 12.212, 52.227-19(c)(1)-(2) and DFARS Section 252.227-7014(b)(3), as applicable, or their successors.



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-Apr- 2019
v10.2	28- Feb -2020
v10.3	—

Why Upgrade to v10.3?

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

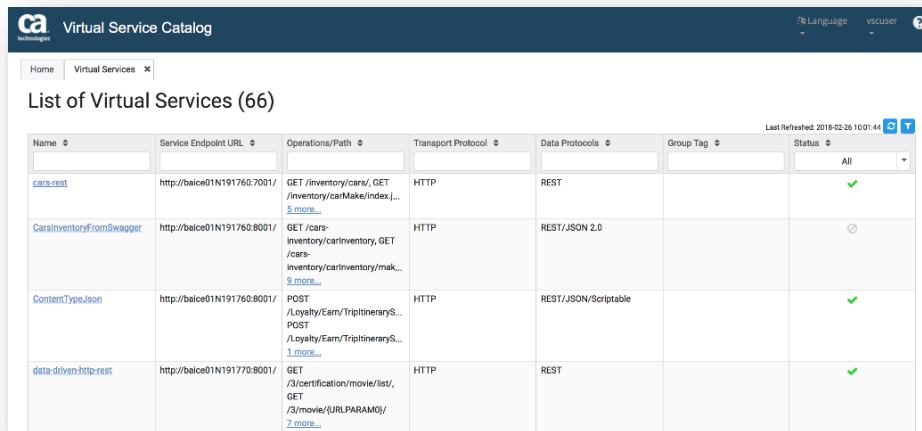
DevTest 10.3 Major Features/Enhancements

- Introduction to the Virtual Service Catalog
- Improvements to Enterprise Dashboard reporting
- Improvements to Embedded ROI Calculator
- Enhanced API functionality regarding test execution and reporting
- MQ 9 protocol support
- Support proxy servers when recording virtual services through gateway mode
- Engineering Excellence
- **Laying the foundation for the Road Ahead**

CA Service Virtualization **What's new in 10.3**

- **Virtual Service Catalog**

- A central repository for viewing and sharing virtual services
- Separate installer
- Single dashboard



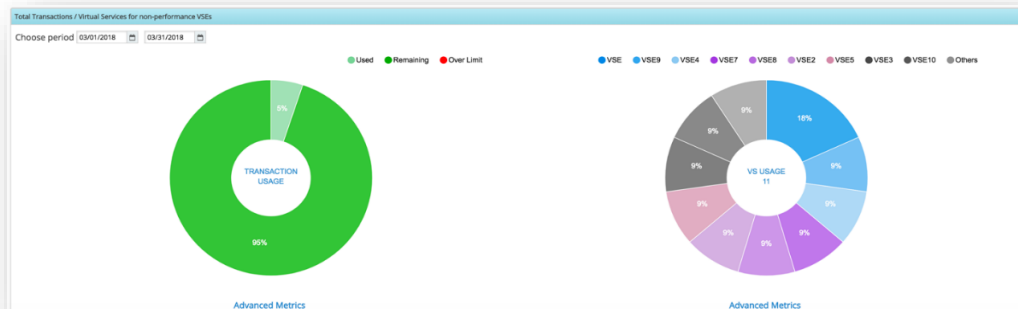
The screenshot displays the 'Virtual Service Catalog' interface. At the top, there's a header with the CA logo and 'Virtual Service Catalog' text. Below the header, a navigation bar shows 'Home' and 'Virtual Services' (selected). The main content area is titled 'List of Virtual Services (66)'. A table lists several services with columns for Name, Service Endpoint URL, Operations/Path, Transport Protocol, Data Protocols, Group Tag, and Status. The services listed are 'cars-rest', 'CarsInventoryFromSwagger', 'ContentToJson', and 'data-driven-http-rest'. Each service has a status icon (green checkmark or grey circle) in the Status column. The table also includes filter icons for each column and a 'Last Refreshed' timestamp.

Name	Service Endpoint URL	Operations/Path	Transport Protocol	Data Protocols	Group Tag	Status
cars-rest	http://baice01N191760:7001/	GET /inventory/cars/, GET /inventory/carMake/index.j... 9 more...	HTTP	REST		✓
CarsInventoryFromSwagger	http://baice01N191760:8001/	GET /cars-inventory/carInventory, GET /cars-inventory/carInventory/mak... 9 more...	HTTP	REST/JSON 2.0		⊗
ContentToJson	http://baice01N191760:8001/	POST /Loyalty/Earn/TripItineraryS..., POST /Loyalty/Earn/TripItineraryS... 1 more...	HTTP	REST/JSON/Scriptable		✓
data-driven-http-rest	http://baice01N191770:8001/	GET /3/certification/movie/list/, GET /3/movie/URLPARAMQ/... 7 more...	HTTP	REST		✓

CA Service Virtualization **What's new in 10.3**

- Enterprise Dashboard Update:**

- View more granular transaction data
- View transactions by specific VSE or virtual service



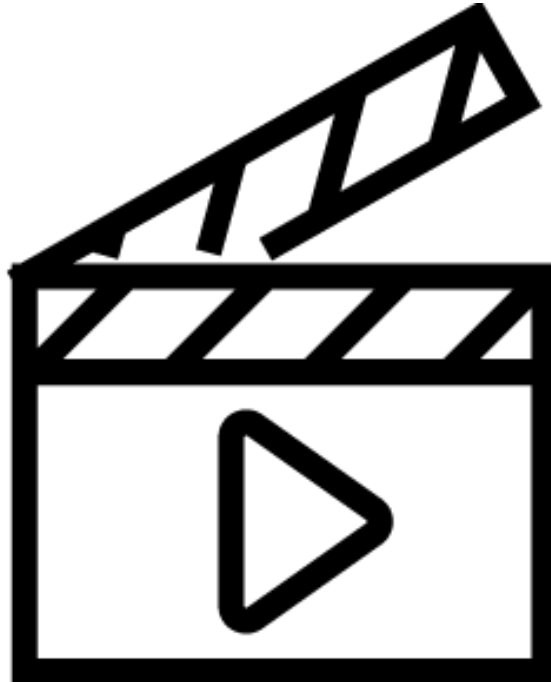
VSE Detail

VSE Name	# of Virtual Services	Transaction Count (Selected Period)		Transaction Count (Daily Average)	Host Name	Port
VSE	2	365		11	balan06n207480.ca.com	2013
VSE9	1	5		0	balan06n209350.ca.com	9009
VSE4	1	281		9	balan06n209350.ca.com	9004
VSE7	1	5		0	balan06n209350.ca.com	9007
VSE8	1	5		0	balan06n209350.ca.com	9008
VSE2	1	338		10	balan06n207480.ca.com	9000
VSE5	1	155		5	balan06n209350.ca.com	9005
VSE3	1	324		10	balan06n207480.ca.com	9001
VSE10	1	91		2	balan06n209350.ca.com	9010
VSE6	1	5		0	balan06n209350.ca.com	9006

Page 1 of 1 | 25 items per page

Displaying 1 - 10 of 10

Feature Demo!



Access New CA Service Virtualization Features

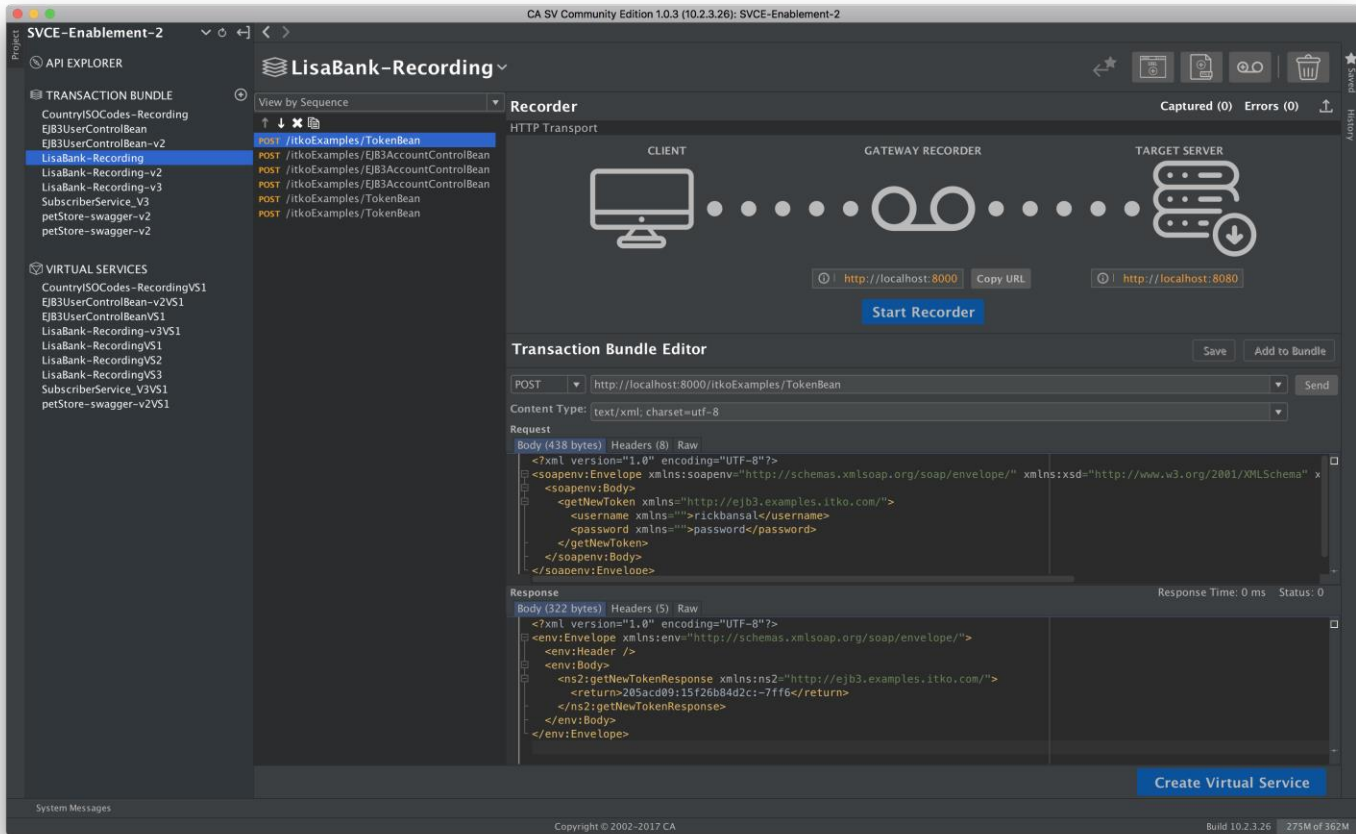
- **Enhance API functionality** regarding test execution and reporting
- **MQ 9 Support**
- **Support Proxy servers when recording virtual services through gateway mode**

New CA Service Virtualization Offerings

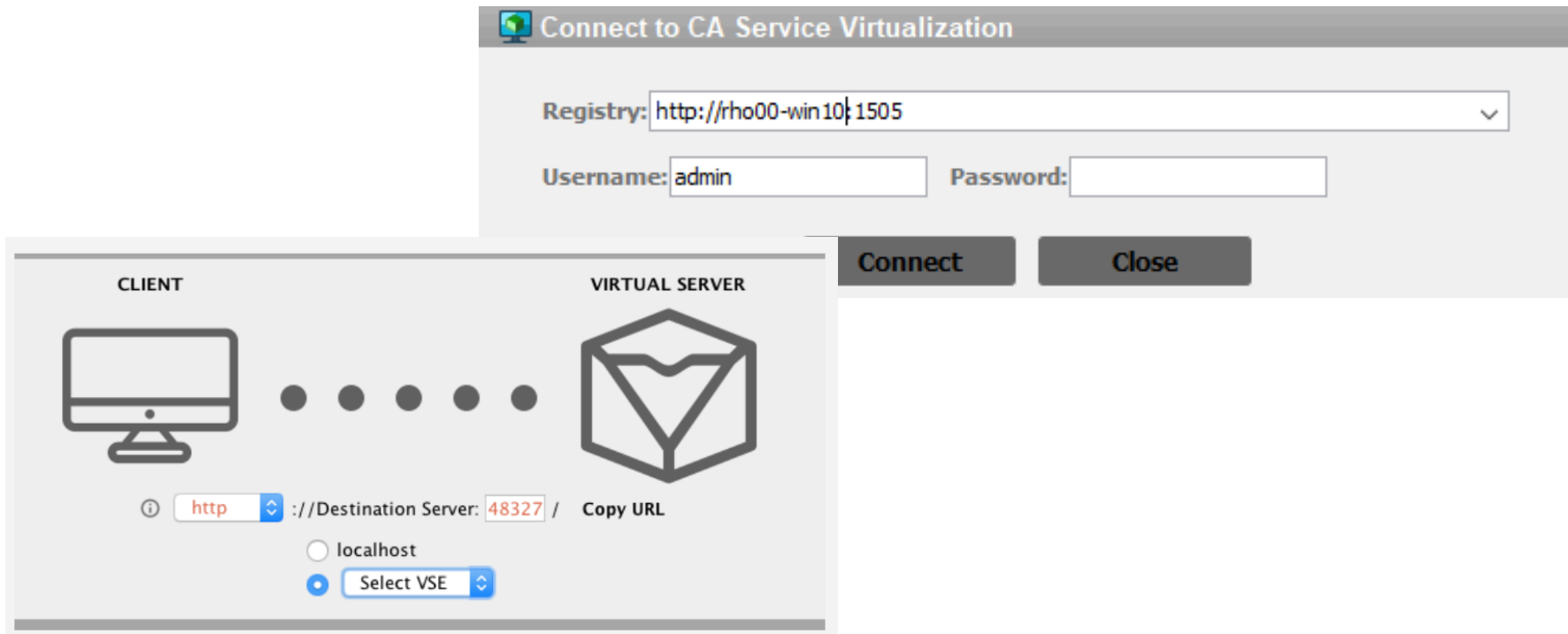
- **CodeSV** fluent, Java-based interface (API) that allows developers to code the behavior of an endpoint – essentially allowing you to virtualize HTTP traffic in just a few minutes
 - <http://codesv.io/>
- **CA Service Virtualization Community Edition** simple webservice virtual service creation
 -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

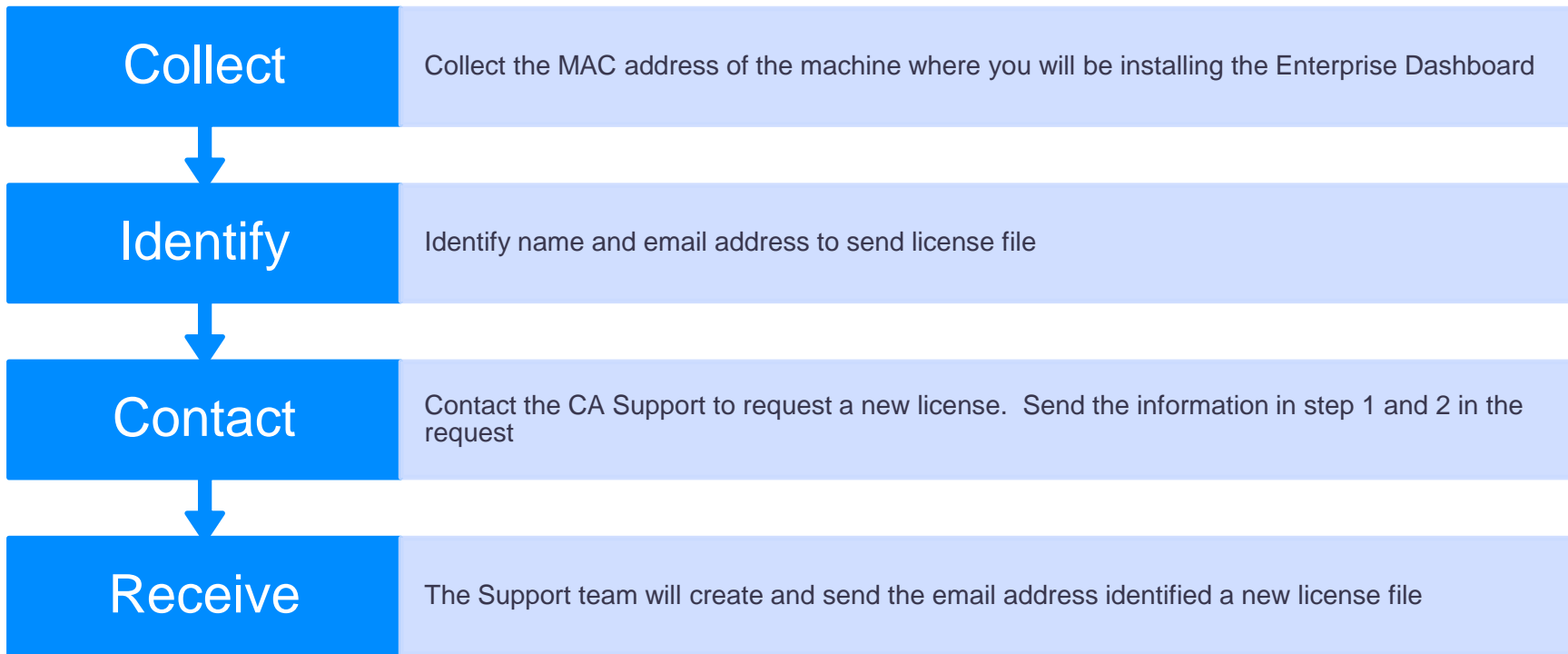


CA Service Virtualization CE



Tips & Tricks

Required for 10.3: Request a New License File



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. Request a new license key
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



Release Comparison for CA Service Virtualization

Visit:

https://docops.ca.com/dts_release_comparison

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

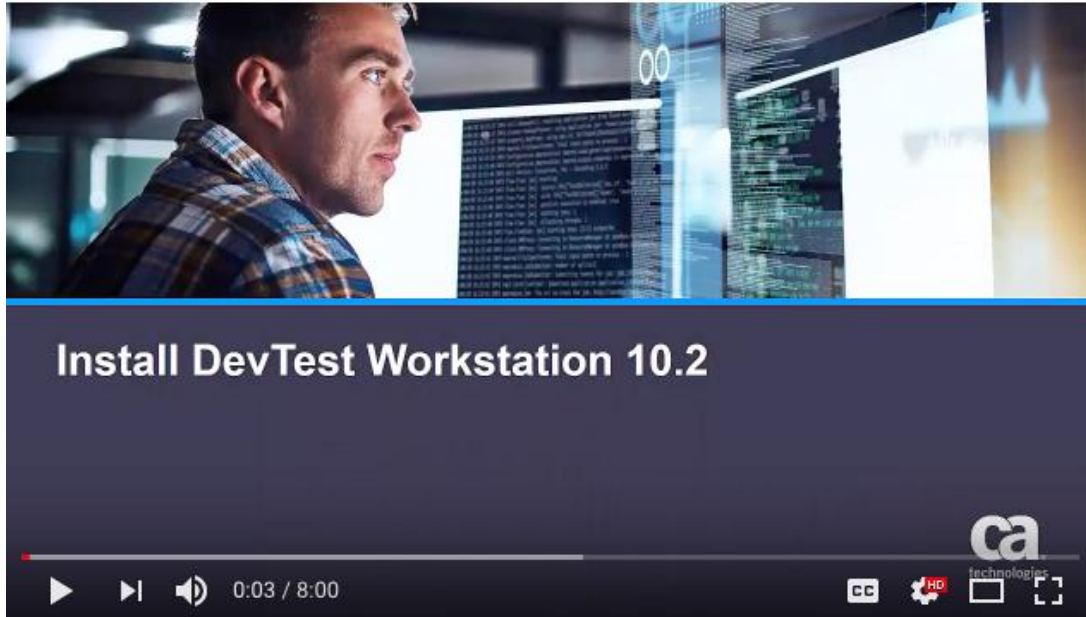
<https://docops.ca.com/devtest-solutions/10-3/en/installing/preparing-your-devtest-upgrade>

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 shows a video player interface for a course titled "88SVV20240 - DevTest Solutions 10.2: Installation and Configuration 200". The video content displays the title "DevTest Solutions 10.2: Installation and Configuration 200" and the course ID "88SVV20240" on a dark blue background with a pixelated pattern. A sidebar on the left contains a "Course Outline" with the following items: "DevTest Solutions 10.2: Installation and Configuration 200" (highlighted), "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 progress bar, and navigation buttons for "PREV" and "NEXT". The CA Technologies logo is visible in the top left and bottom right corners.

ca technologies

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

DevTest Solutions 10.2:
Installation and Configuration 200

88SVV20240

ca technologies

Search...

◀ PREV NEXT ▶

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

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



We are literally reinventing how we create our development plans by sharing our product roadmaps.

**CA Customers,
CA Partners and CA Employees
Register at [CA.com/Roadmap](https://ca.com/Roadmap)**

Still need help?



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

Koustubh Warty:

Koustubh.Warty@ca.com

Beverly Mindle:

Beverly.Mindle@ca.com

Discussed

- Learn about the new features are available in CA Service Virtualization 10.3
- 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.