CA Service Virtualization:
Upgrading to DevTest 10.2

January 2018

Legal Statement

Agenda

1 WHY UPGRADE CA SERVICE VIRTUALIZATION?

2 UPGRADING: TIPS AND TRICKS

3 RESOURCES

4 Q&A

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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!
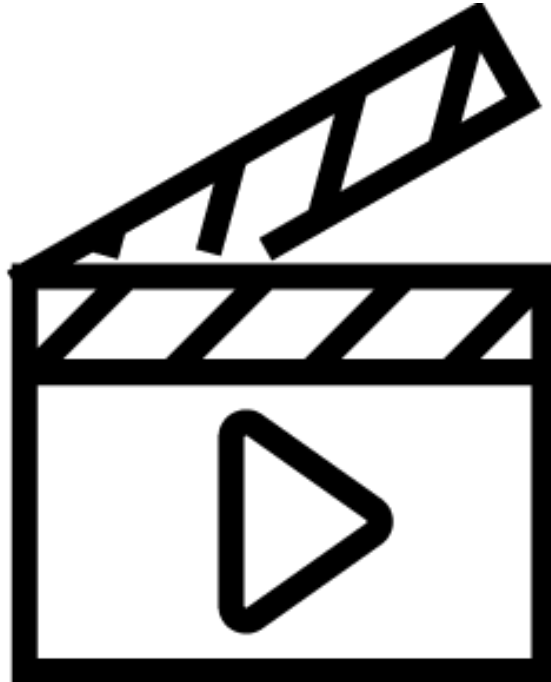
Access New CA Service Virtualization Features

- **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

CodeSV

```
> @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
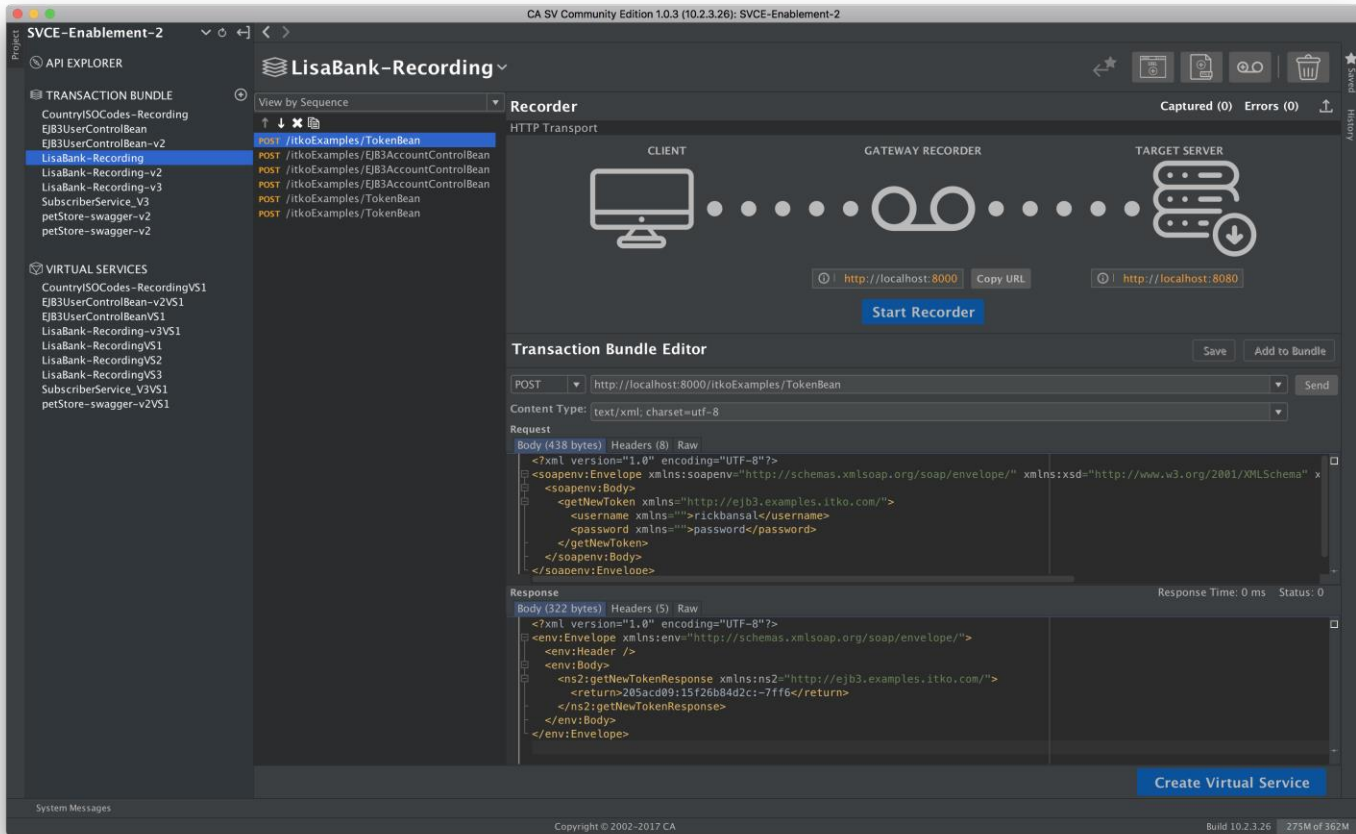
CA Service Virtualization CE – Look and Feel
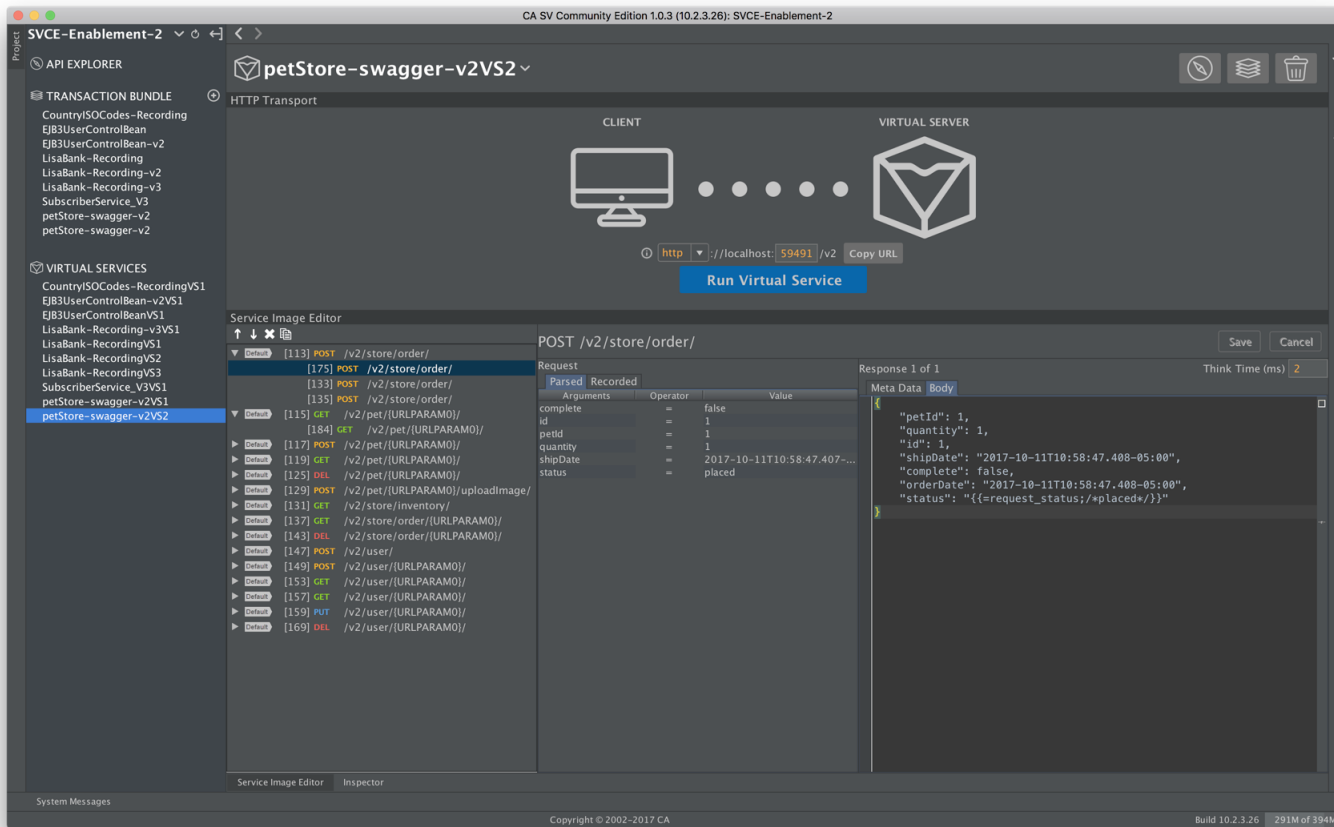
Release Notes: Comparison of Features

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

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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

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

Community Upgrade Center

http://cainc.to/SVUpgradeCntr

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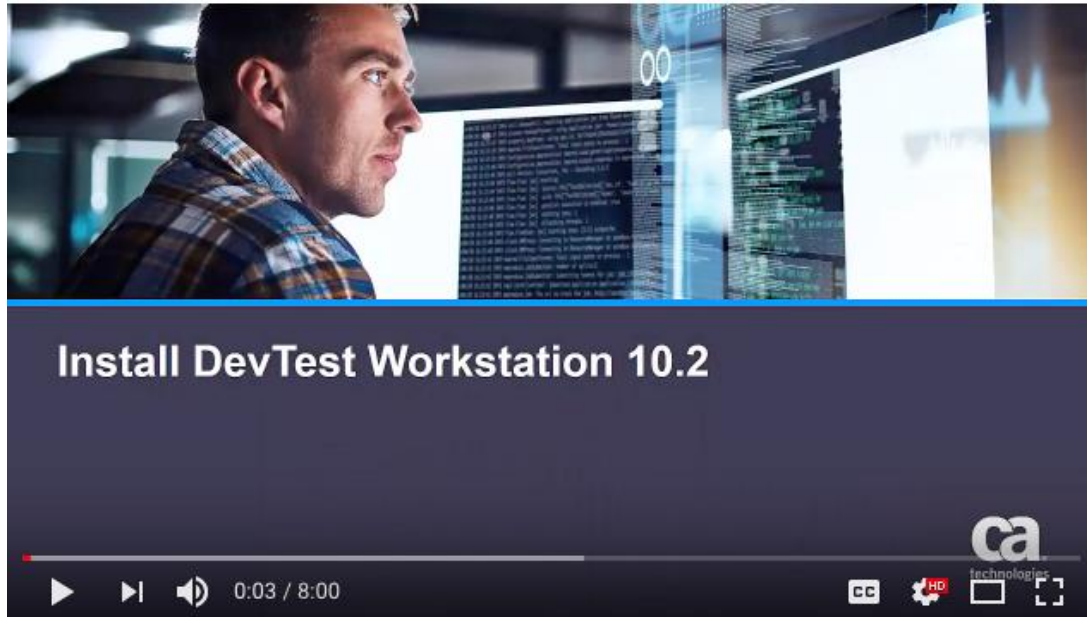
https://www.youtube.com/watch?v=F3nh_DyvlMs&feature=youtu.be

http://cainc.to/EDqrPC

Education Course

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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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.