

Using APIM with DevTest 9.5

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Agenda

0. INTRODUCTION TO APIM

1. INTRODUCTION TO DEVTEST

2. DEVTEST AND APIM, TOGETHER!

3. DEMO ARCHITECTURE

4. DEMO STEPS

5. DEMO TIME!

Introduction to APIM

- What is APIM?
 - CA API Management combines advanced functionality for backend integration, mobile optimization, cloud orchestration and developer management
- What is a Gateway?
 - APIM includes the CA API Gateway, which is an XML firewall and service proxy that controls how web services are exposed to, and accessed by, external client applications
- What is a Policy Manager?
 - The Policy Manager is the user interface that connects with the CA API Gateway and lets you construct web service and XML application policies, manage policy users, configure identity bridging, and configure, audit, and monitor the CA API Gateway

Introduction to DevTest

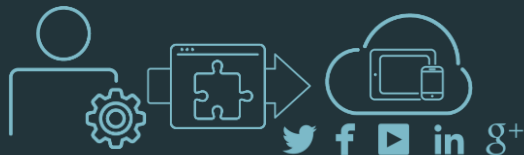
- What is DevTest?
 - DevTest is a suite of fully-integrated development and testing tools that
 - Accelerates software release cycles
 - Increases quality
 - Reduces software testing infrastructure costs
- What is a CA Service Virtualization (SV)?
 - Simulates unavailable systems across the software development lifecycle
- What is a CA Application Test (App Test)?
 - Test harness that can be used for generating functional, regression, user journey and performance tests
- What is CA Continuous Application Insight (CAI)?
 - Provides end-to-end deep transaction tracing and gives visibility into application details and dependencies

Why Use DevTest with APIM?

- DevTest integration with APIM allows users to configure the APIM policy from DevTest and generate API tests and Virtual Services from APIM
- We do this by capturing the request and response data for APIs that are managed by CA API Gateway (a component of CA API Management).
- You can then use CAI to create baseline tests and virtual services for the APIs.

Leveraging DevTest Within the API Gateway

PLAN



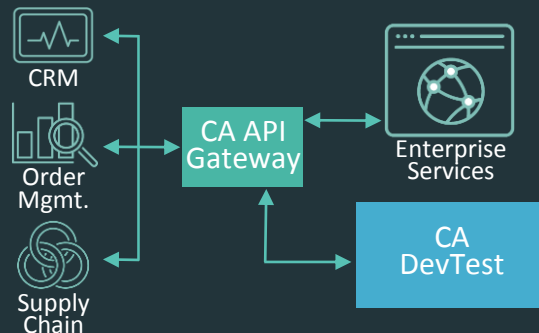
Provide **developers** a **directory** of **virtual services** enabling **better** service **discovery** and **consumption**, **accelerating cloud** and **mobile app development**

BUILD



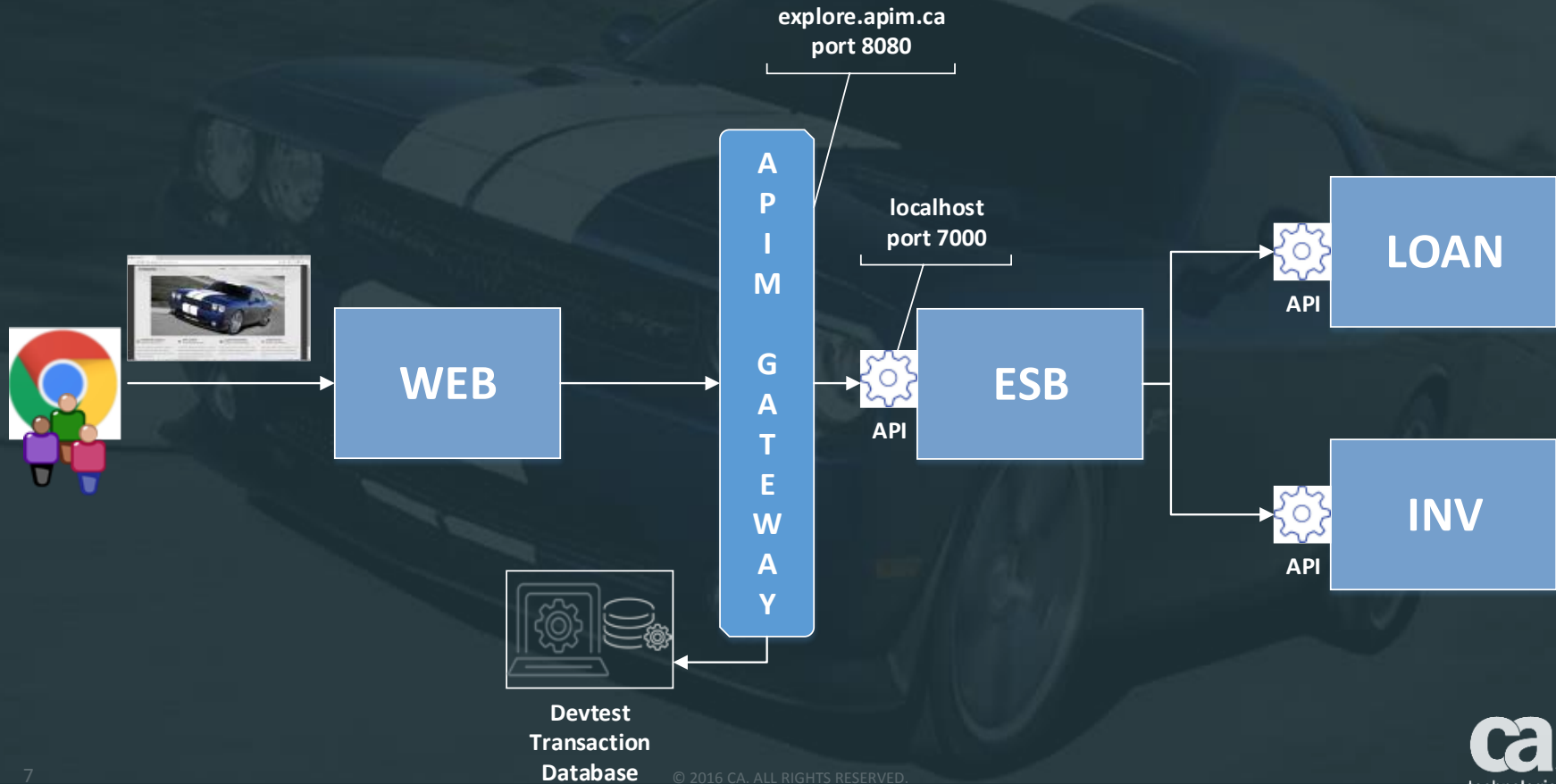
Automatically switch between real and virtualized environments **improving** how **cost** and **maintenance** “constraints” are **managed**

RUN



Faster creation and easier maintenance of virtual services by leveraging API Management data

FORWARD CARS Architecture



DevTest Portal

Current Project: Bar... admin

Home

- Create
- Manage
- Monitor
- Application Insight
- Reporting
- Settings
- Agents
- Access Control

Getting Started

- How to record and save a virtual service
- How to edit a virtual service
- How to create a test
- How to monitor a test
- How to manage test artifacts
- How to manage a ticket
- How to work with the shelf
- How to document a transaction for a manual test

Quick Links

- Create a Virtual Service
- Manage Virtual Services
- Monitor Tests
- Create Tests
- Manage Tests
- Analyze Business Transactions
- Manage Tickets

Help

- View DevTest Documentation
- Ask the Community
- Report an issue

Virtual Services: Current Status

0 Total Transactions

0 Deployed

12 Recorded

Test: Current Status (Last 7 Days)

There are no test results currently available. What would you like to do?

Create Test

Execute a test

Agents: Current Status

- JBoss_LISABank
- CarWeb
- Broker:PARBY02N35890\$@parby02N35890.ca.com
- CarEsb
- CarInv
- CarLoan

New Ticket Alerts

There are no ticket alerts currently available

Path Alerts

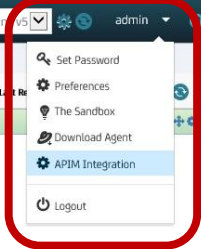
There are no path alerts currently available

Points of Interest

There are no items to view at this time

Registry: parby02N35890.2010 | Version: 9.5.0

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Virtual Services: Current Status

Total Transactions: 0

New Ticket Alerts

There are no ticket alerts currently available

APIM Integration

Deploy A New Policy | Deployed Policy List

URL: * Gateway Name: *

User Name: * Password: *

Dev Test Login:

User Name: * Password: *

Options

Regular Expression: Mode:

APIM Integration

Deploy A New Policy | Deployed Policy List 1

Host	User	Regular Expressio...	Mode	Last Modified	Statu...	Delet...
https://10.151.17.158:8443	admin		Record <input type="button" value="Record"/>	10/18/2016 10:38:27 AM 046	✓	✕

CA API Gateway - Policy Manager 9.1.00

File Edit Tasks View Help

Connect Disconnect Refresh Home Preferences

Assertions Identity Providers

Search

- Policy Assertions
 - Access Control
 - Transport Layer Security (TLS)
 - XML Security
 - Message Validation/Transformation
 - Message Routing
 - Service Availability
 - Logging, Auditing and Alerts
 - Policy Logic
 - Threat Protection
 - Internal Assertions
 - Custom Assertions
 - Policy Templates

10.151.17.158

- Gateway-ServiceVirtualization
 - carsEsb [Inventory/*]
 - EJB3AccountControlBeanService [/itkoExamples/EJB3AccountControlBean]
 - EJB3UserControlBeanService [/itkoExamples/EJB3UserControlBean]
 - simpleGetDate [/simpleGetDate]
 - TokenBeanService [/itkoExamples/TokenBean]
 - DevTest Global Variables
 - SimpleServiceVirtualizationRequestHook [pre-service]
 - SimpleServiceVirtualizationRequestHookFragment
 - SimpleServiceVirtualizationResponseHook [post-service]
- Samples
- Tutorials
- Utility

Filter: None
admin @ 10.151.17.158 [connected to node: Gateway1]

Home

CA API Gateway - Policy Manager Home

Please select a task below.

Tasks

- Create LDAP Identity Provider
- Create Simple LDAP Identity Provider
- Create Federated Identity Provider
- Create Internal User
- Create Internal Group
- Search Identity Provider
- Publish SOAP Web Service
- Publish Web API
- Publish RESTful Service Proxy With WADL
- Publish Internal Service
- Publish Reverse Web Proxy
- Create WSDL

ca technologies

FORWARD CARS

Home Search VIN Lookup Loan Application Guest

Admin

Inventory Total: 14

Add a Car

http://10.151.17.158:8080

Set ESB

Search

Year, Color...

Make:

Acura

Audi

BMW

Buick

Infiniti

Land Rover

Lexus

Lincoln

Volvo

Audi A4-B



Year: 2011

Price: \$3995

View Details

Edit

Delete

Acura RLX-AWD



Year: 2013

Price: \$30995

View Details

Edit

Delete

Acura RLX-AWD



Year: 2012

Price: \$30995

View Details

Edit

Delete

Acura RLX-AWD



Year: 2010

Price: \$21405

View Details

Edit

Delete

Audi S4-S



Year: 2008

Price: \$7800

View Details

Edit

Delete

BMW 7-Series-P



Year: 2010

Price: \$34500

View Details

Edit

Delete

DevTest Portal

Current Project: Bank us

Home

Create

Manage

Monitor

Application Insight

Analyze Transactions

Document Transactions

Manage Tickets

Reporting

Settings

Agents

Access Control

Analyze Transactions

Results: 9

Enter search text or describe the search, e.g. response has lisa_simpson

Name	Start Time	Wall Time	CPU Time	Agent
/inventory/carInventory/3H1CB51D35(453773	10/18/2016 11:08:29 AM 311	0 ms	0 ms	APIM-10.151.17.158
/inventory/carInventory/3N1CB41D32(458778	10/18/2016 11:08:27 AM 903	0 ms	0 ms	APIM-10.151.17.158
/inventory/carInventory/2T1KR32E37C639015	10/18/2016 11:08:25 AM 180	0 ms	0 ms	APIM-10.151.17.158
/inventory/carInventory/1ZVBP8AM1D5256907	10/18/2016 11:08:21 AM 864	0 ms	0 ms	APIM-10.151.17.158
/inventory/carInventory/3N1CB51D35(458771	10/18/2016 11:08:01 AM 060	0 ms	0 ms	APIM-10.151.17.158
/inventory/carInventory/1ZVBP8AM1D5256906	10/18/2016 11:07:47 AM 519	0 ms	0 ms	APIM-10.151.17.158
/inventory/carInventory/3N1CB51D35(458773	10/18/2016 11:07:22 AM 127	0 ms	0 ms	APIM-10.151.17.158
/portalman/1/apis	10/18/2016 11:05:02 AM 286	0 ms	0 ms	APIM-10.151.17.158
/portalman/1/apis	10/18/2016 11:00:02 AM 457	0 ms	0 ms	APIM-10.151.17.158

Registry: parby02N35890.2010 | Version: 9.5.0

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