Using APIM with DevTest 9.5

Daniel Mazzei, Associate Engineering Services Architect

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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!

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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

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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

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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.

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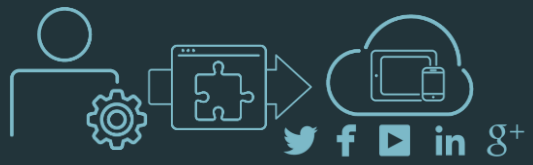
Leveraging DevTest Within the API Gateway

PLAN

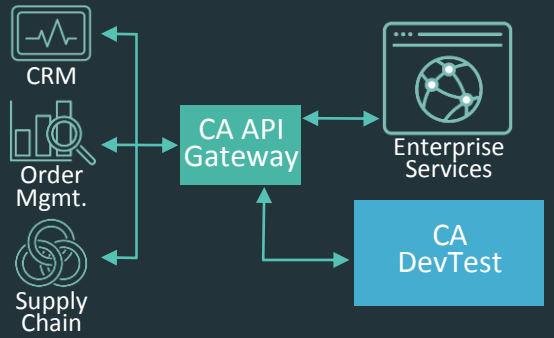


Provide **developers** a **directory** of **virtual services** enabling **better** service **discovery** and **consumption**, **accelerating cloud** and **mobile app development**

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

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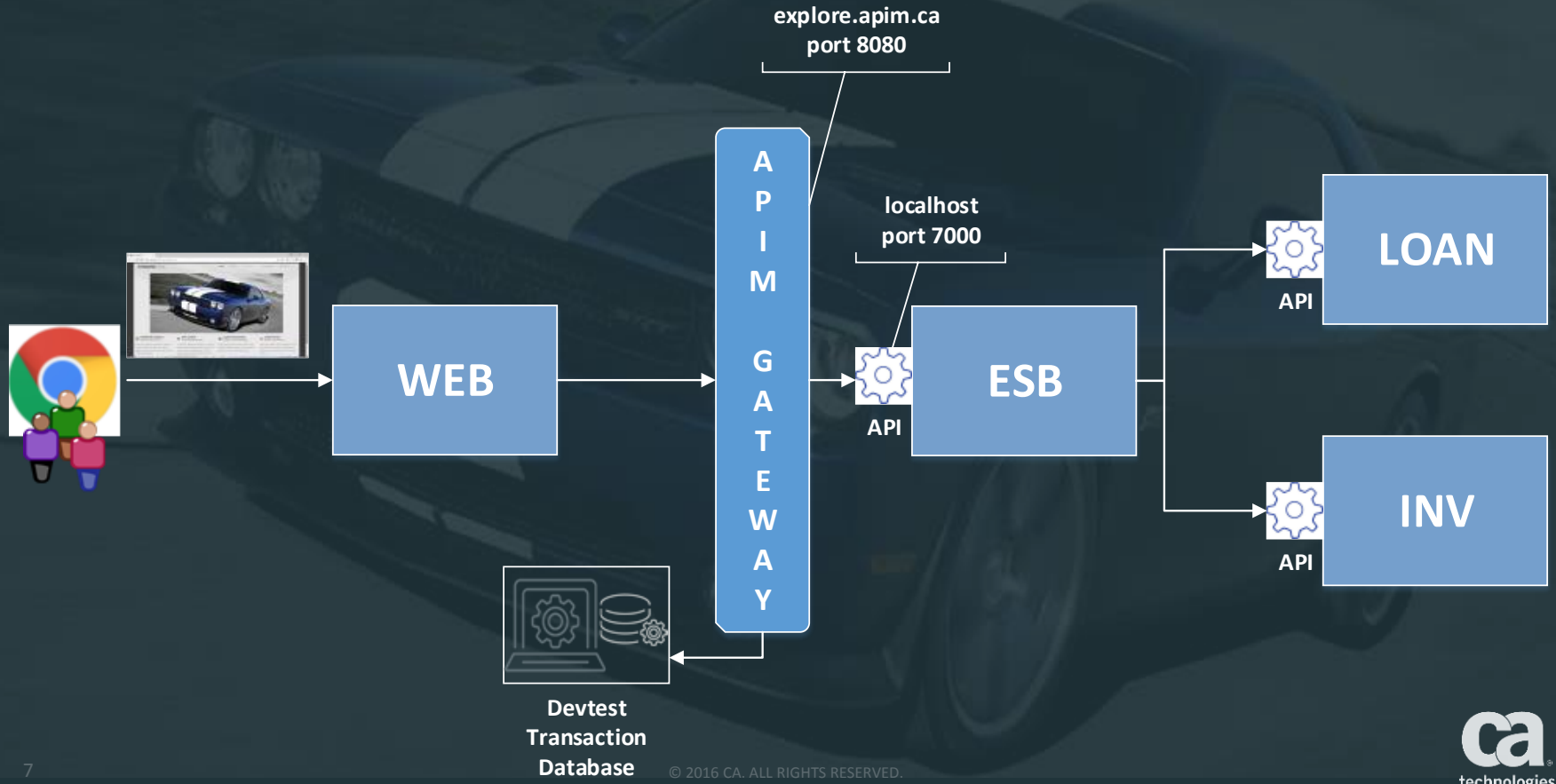
FORWARD CARS Architecture



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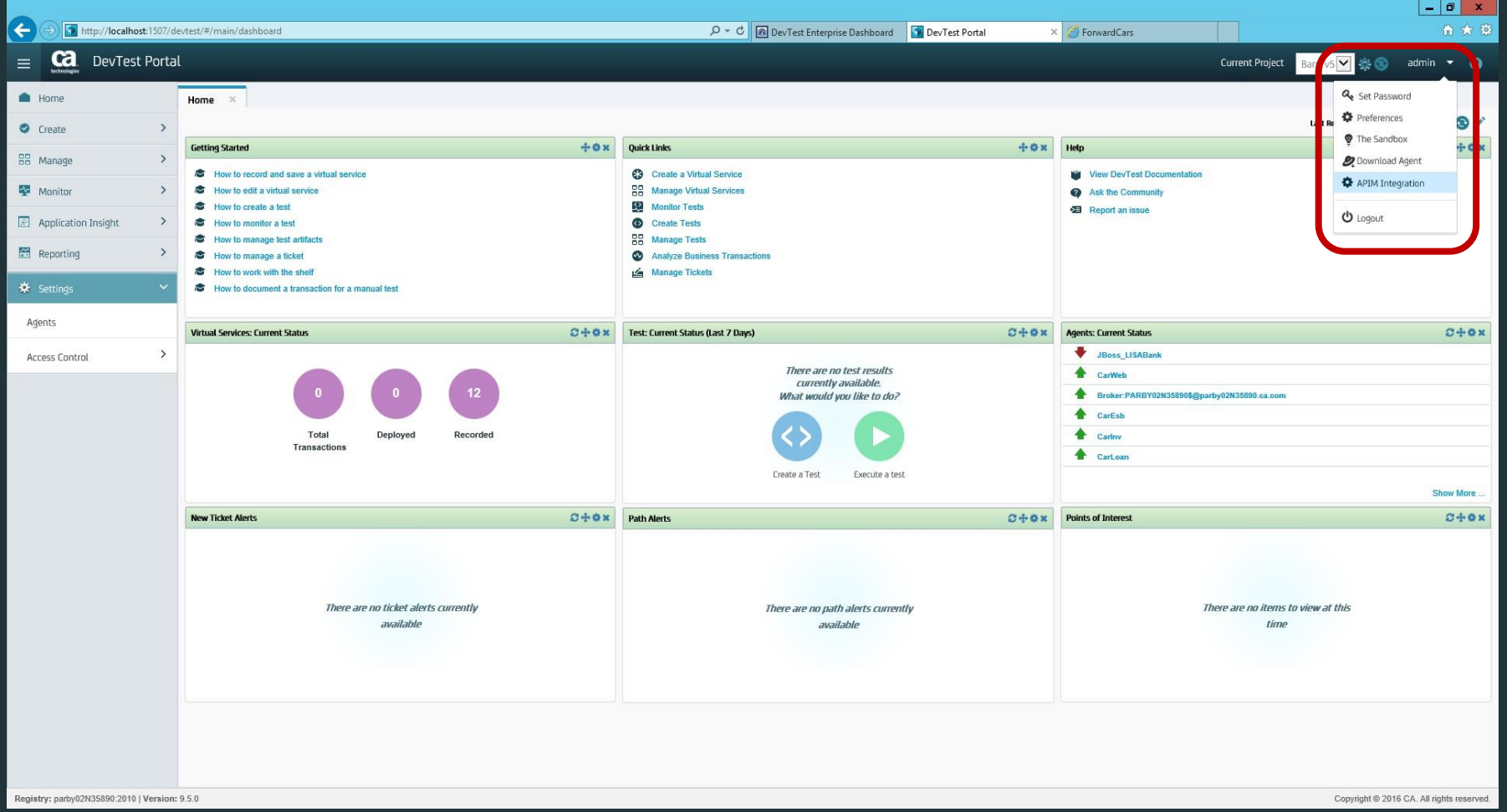

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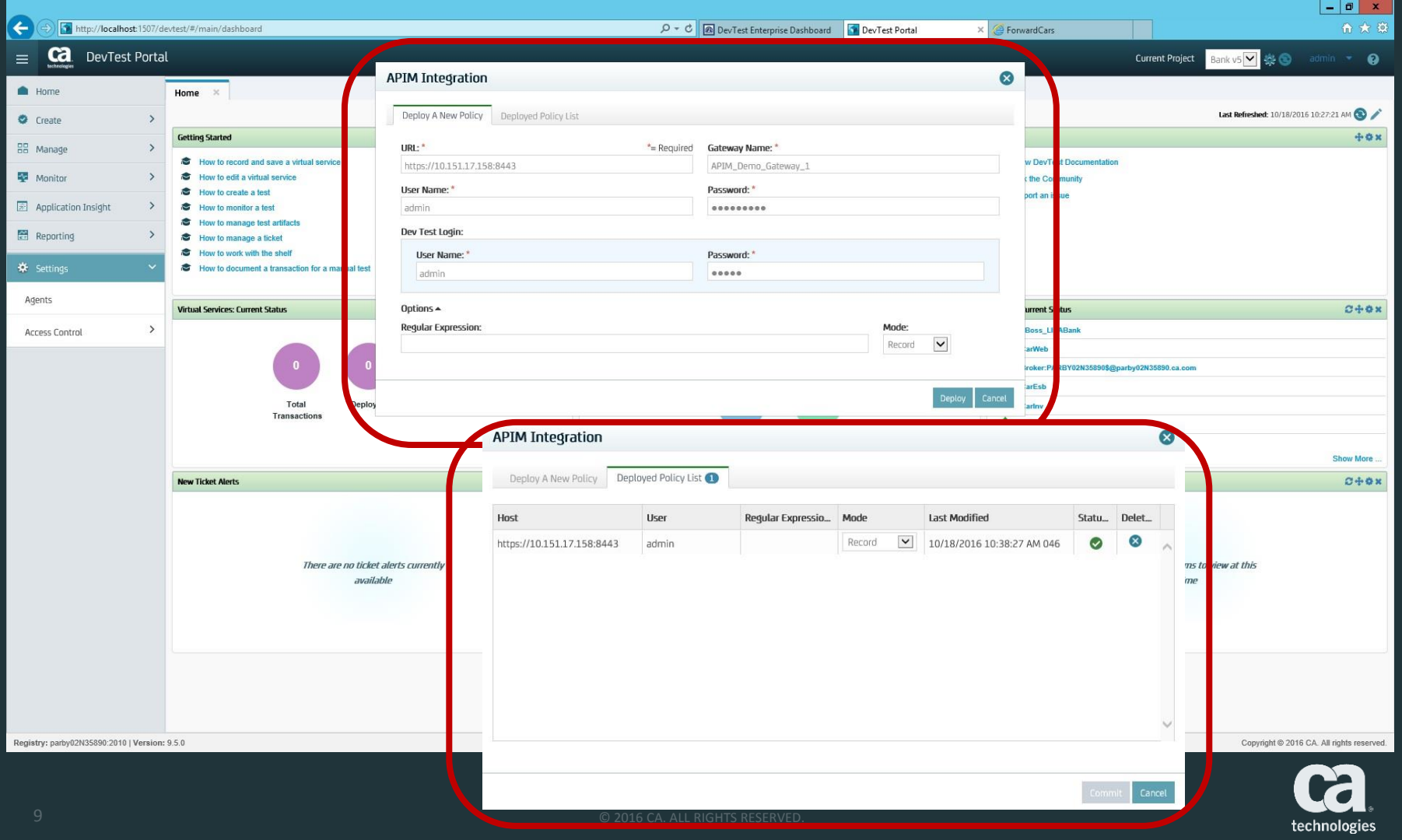

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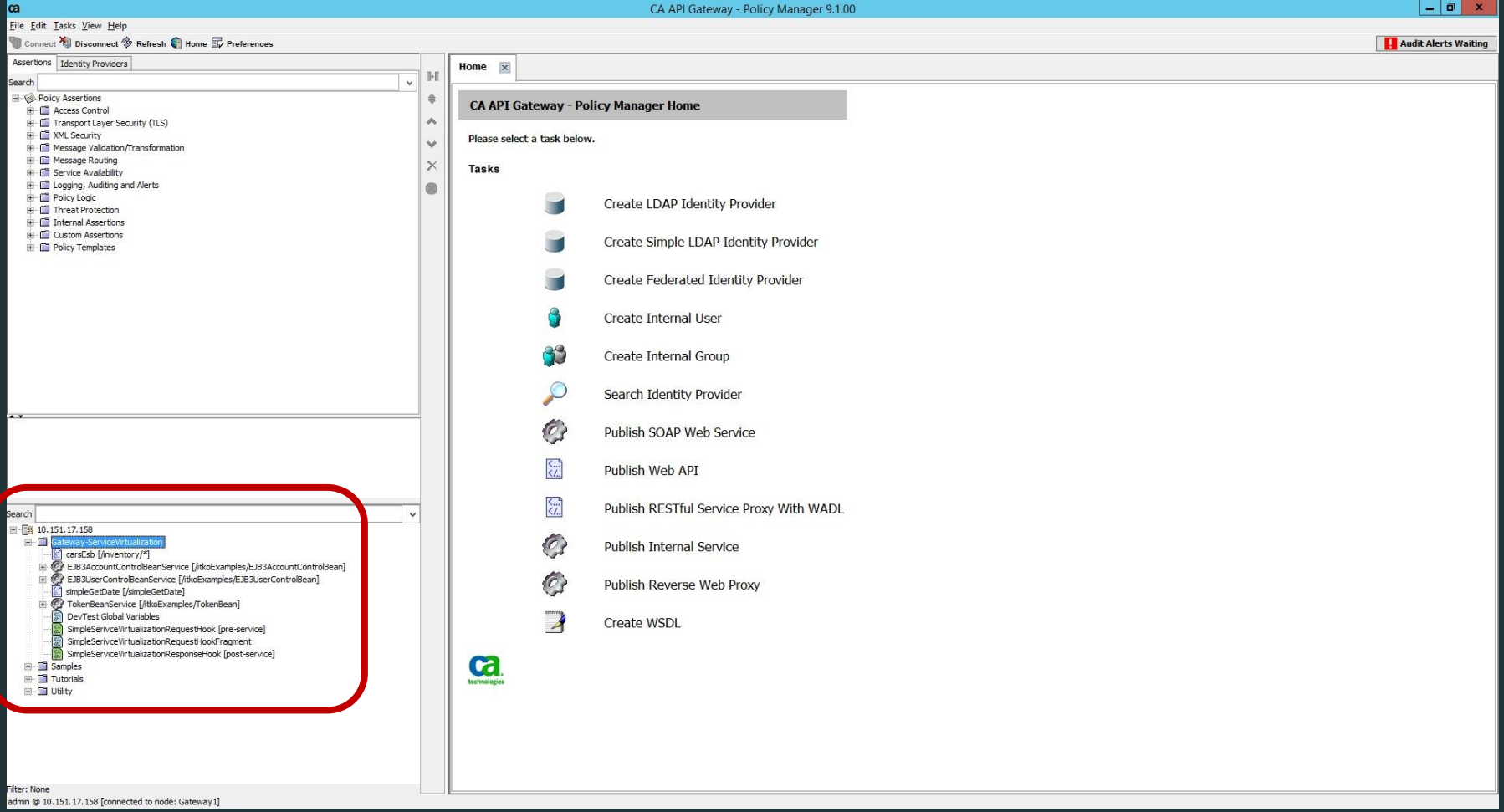

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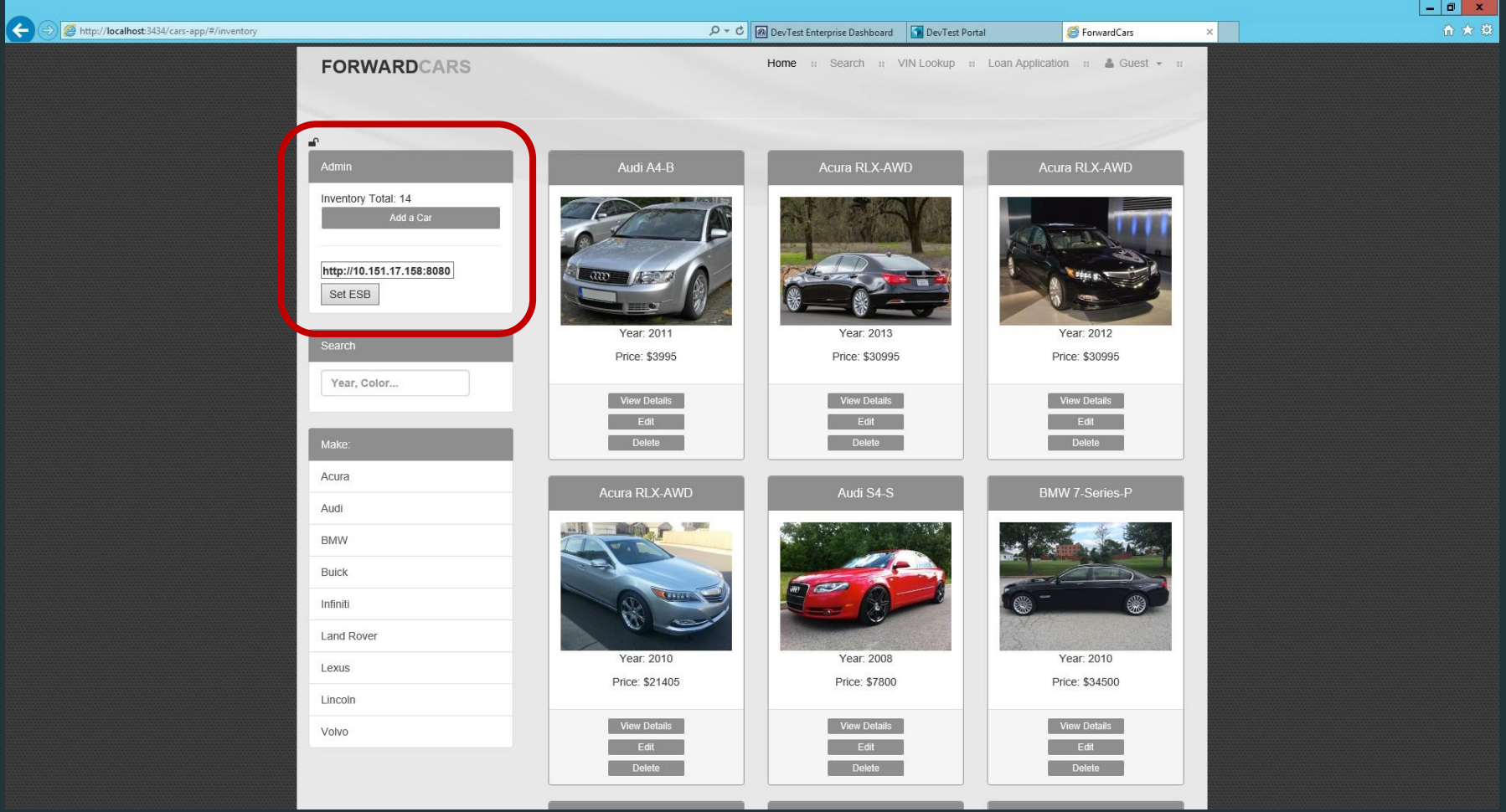

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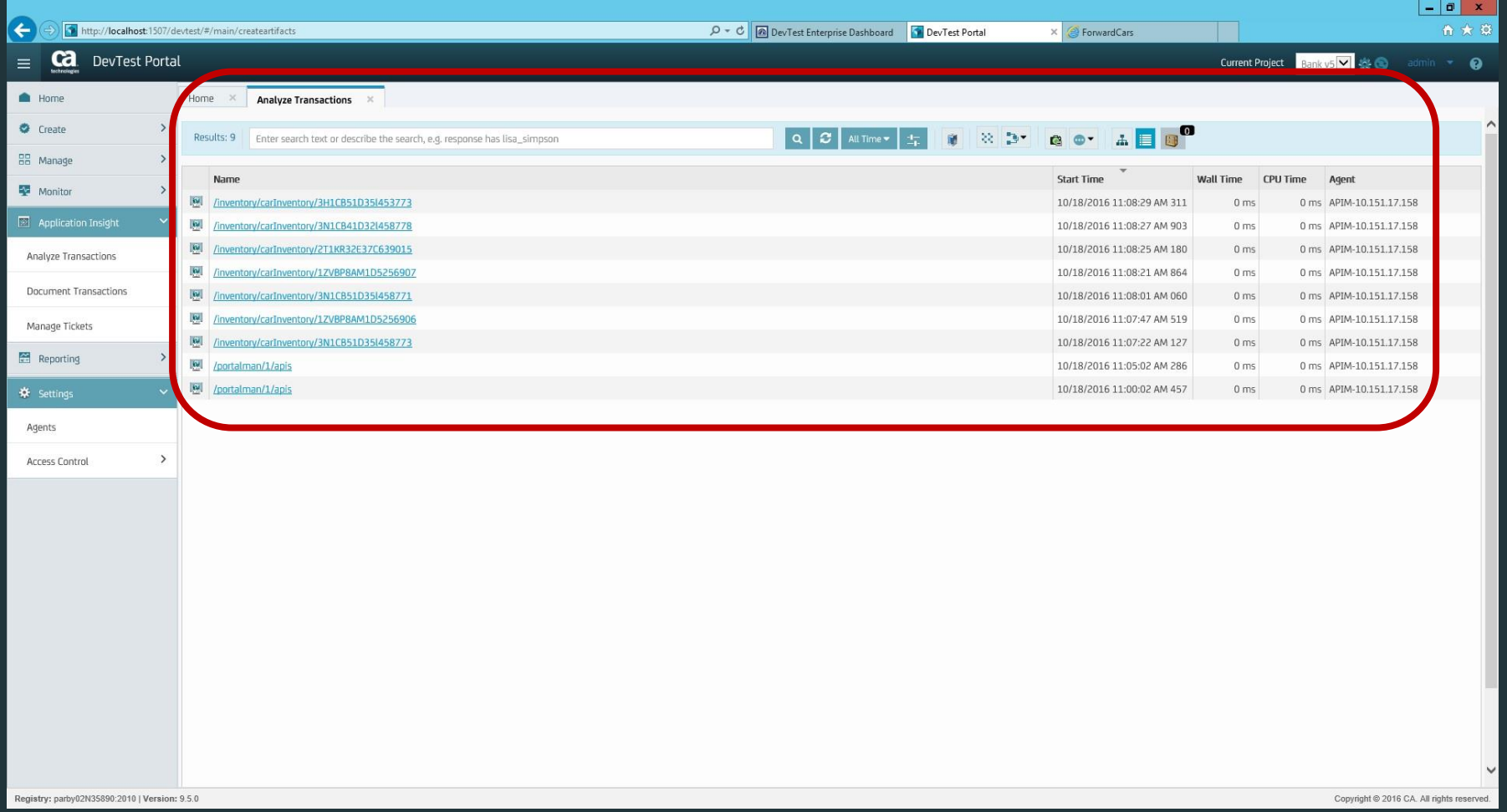

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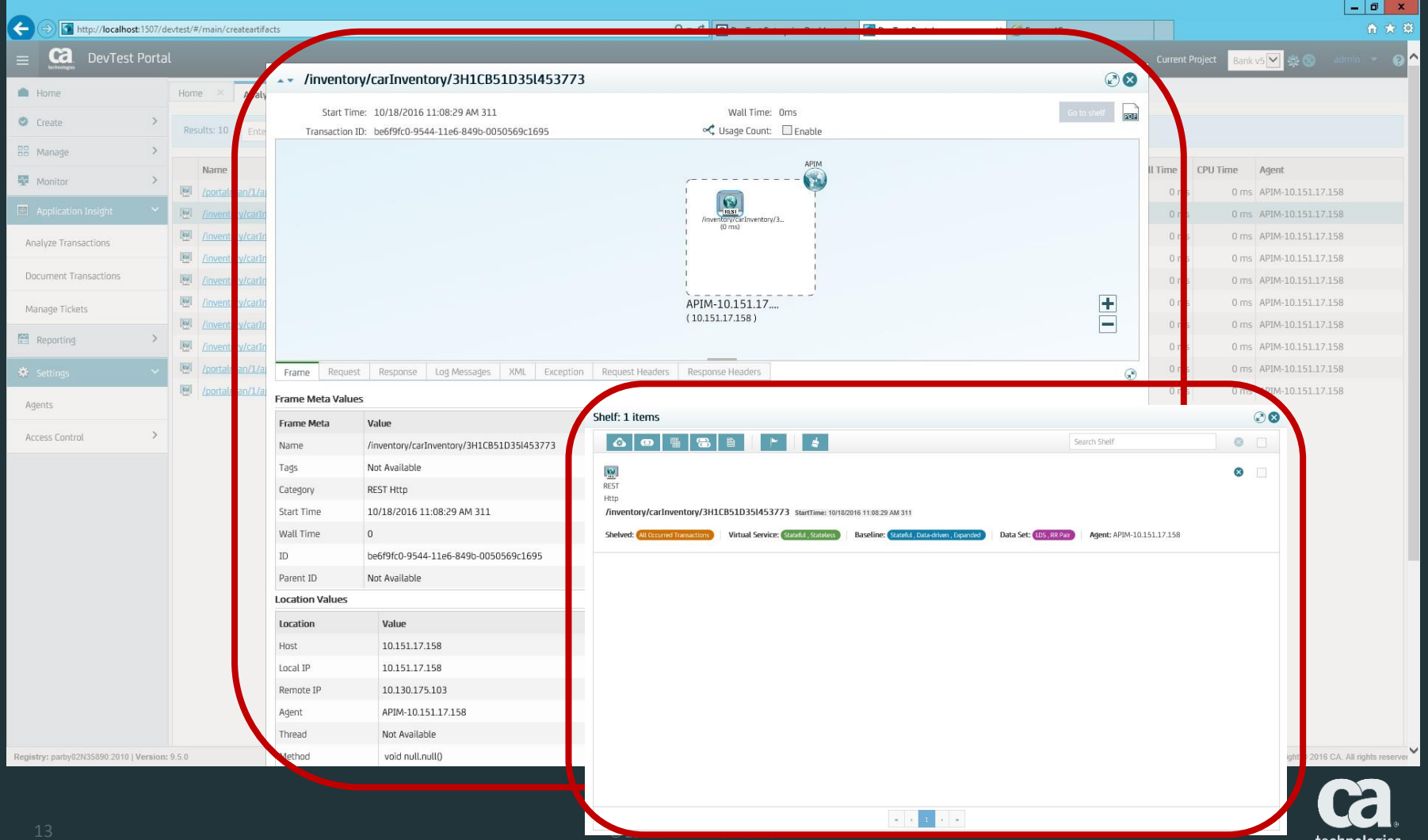
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Wall Time: 0ms
Usage Count: Enable
APIM
APIM-10.151.17....
(10.151.17.158)
Frame
Request
Response
Log Messages
XML
Exception
Request Headers
Response Headers
Frame Meta Values
Frame Meta
Value
Name
/inventory/carInventory/3H1CB51D35l453773
Tags
Not Available
Category
REST Http
Start Time
10/18/2016 11:08:29 AM 311
Wall Time
0
ID
be6f9fc0-9544-11e6-849b-0050569c1695
Parent ID
Not Available
Location Values
Location
Value
Host
10.151.17.158
Local IP
10.151.17.158
Remote IP
10.130.175.103
Agent
APIM-10.151.17.158
Thread
Not Available
Method
void null.null()
Shelf: 1 items
REST
Http
/inventory/carInventory/3H1CB51D35l453773
Shelved:
Virtual Service:
Baseline:
Data Set:
Agent: APIM-10.151.17.158

Daniel Mazzei
Engineering Services Architect
Daniel.Mazzei@ca.com