

What's New in 8.0 - Part 2

CA Continuous Application Insight

Product Management

January 2015



Agenda

- Product Renaming
- Review of notable enhancements in 8.0
 - CA Continuous Application Insight
- Questions & Answers

CA Continuous Application Insight 8.0 Highlights

New Workflows	Enhanced Agent	Enhanced Support Matrix
Tracking and Monitoring Business Transactions	Importing Data	Expanded Support
<ul style="list-style-type: none">▪ New Ticket Generation Workflow for improved ticket creation and management▪ New Finding Defects Workflow with advanced search for analytic visualization (mapping of paths, path overlays with metric data/exceptions), building baselines and virtual services, defect replay, and annotations (pinning) of paths for defect tagging and more!▪ New Doc Gen Workflow enables the full documentation of the business process by mapping the architecture, paths plus annotation	<ul style="list-style-type: none">▪ New remote agent calibration and configuration with an easy to use interface for the agent administrator▪ New VSE Companions via REST and CLI for JSON, JMS and MQ Series to help get data from Virtual Services runtime into CA Path Finder.▪ New Splunk integration for faster data input into paths from well known monitoring system	<p>Complete testing on CA Path Finder supported agent platforms including:</p> <ul style="list-style-type: none">▪ IBM WebSphere Application Server▪ JBoss▪ Oracle WebLogic Server▪ SAP NetWeaver▪ TIBCO Business Works▪ TIBCO Enterprise Message Service▪ webMethods Integration Server

CA Continuous Application Insight

New Asset Generation Workflows

Generate Baseline tests, Virtual Services, and documentation

- Identify transaction with full payload text search
- Merge duplicate transactions to get rid of clutter in UI and to act on them as a group
- Shelf sets of transactions from different time slices and agents
- Create composite models from multiple agents
 - Web services served by multiple app servers behind routers
 - Create single virtual services to isolate dependencies for desktops
- Create Baseline tests and Statefull Baseline tests
- Document the environment and assets generated

New Search of Transactions

Keyword Search, Time frames, Refinements

The screenshot shows the DevTest Portal interface. The top navigation bar includes the CA Technologies logo, the text 'DevTest Portal', and a user profile 'admin'. The left sidebar contains navigation links: Home, Create, Manage, Monitor Tests, and Application Insight (selected). The main content area is divided into a left sidebar for refinements and a right section for search results.

Refined By

- Agent**
 - ☐ JBoss_LISABank
- Category**
 - ☐ Web Http
 - ☐ EJB
 - ☐ JDBC
 - ☐ Framework
- Exec Time (ms)**
 - Enter Search Text
- Class Name**
 - Auto Complete Search...
 - ☐ com.itko.examples.ejb3.ejb3accountcontrolbean
 - ☐ com.itko.examples.ejb3.ejb3usercontrolbean
 - ☐ com.sun.proxy.\$proxy104
 - ☐ com.sun.proxy.\$proxy110

Search Bar

Enter Search Text 1 Day

Search Duration : 1 Day

Results: 10

Name	Start Time	Wall Time	CPU Time	Agent	Actions
/lisabank/login.do	2014-09-23 14:28:27 2...	467 ms	358 ms	JBoss_LISABank	<input type="button" value="🔗"/>
/lisabank/buttonclick.do	2014-09-23 14:28:04 6...	184 ms	156 ms	JBoss_LISABank	<input type="button" value="🔗"/>
/lisabank/createaccount.do	2014-09-23 12:24:07 0...	14372 ms	1466 ms	JBoss_LISABank	<input type="button" value="🔗"/>
/lisabank/buttonclick.do	2014-09-23 12:23:57 1...	2278 ms	1466 ms	JBoss_LISABank	<input type="button" value="🔗"/>
/lisabank/home.do	2014-09-23 12:23:52 3...	143 ms	140 ms	JBoss_LISABank	<input type="button" value="🔗"/>
/lisabank/	2014-09-23 12:23:51 7...	583 ms	514 ms	JBoss_LISABank	<input type="button" value="🔗"/>
/lisabank/login.do	2014-09-23 12:23:45 8...	5845 ms	1965 ms	JBoss_LISABank	<input type="button" value="🔗"/>
/lisabank/login.do	2014-09-23 12:23:31 6...	1247 ms	1138 ms	JBoss_LISABank	<input type="button" value="🔗"/>
/lisabank/login.do	2014-09-23 10:35:54 2...	1437 ms	1263 ms	JBoss_LISABank	<input type="button" value="🔗"/>
/lisabank/	2014-09-23 10:35:40 6...	336 ms	310 ms	JBoss_LISABank	<input type="button" value="🔗"/>

Merge repeated transactions

Simplify when working with data driven testing

Search Duration : 1 Day

Results: 10

Export/Import Repeated Paths

Name	Start Time	Wall Time	CPU Time	Agent	Actions
/lisabank/login.do Merged (3)	2014-09-23 14:28:27 285	2583 ms	358 ms	JBoss_LISABank	
/lisabank/buttonclick.do	2014-09-23 14:28:04 668	184 ms	156 ms	JBoss_LISABank	
/lisabank/createaccount.do	2014-09-23 12:24:07 058	14372 ms	1466 ms	JBoss_LISABank	
/lisabank/buttonclick.do	2014-09-23 12:23:57 150	2278 ms	1466 ms	JBoss_LISABank	
/lisabank/home.do	2014-09-23 12:23:52 309	143 ms	140 ms	JBoss_LISABank	
/lisabank/	2014-09-23 12:23:51 721	583 ms	514 ms	JBoss_LISABank	
/lisabank/login.do	2014-09-23 12:23:31 640	1247 ms	1138 ms	JBoss_LISABank	
/lisabank/modifyuser.do	2014-09-23 10:35:49 676	3336 ms	3198 ms	JBoss_LISABank	

Path details with agent boundaries

View details of transactions, navigate, and zoom

The screenshot displays the DevTest Portal interface. The top navigation bar shows the path `/lisabank/login.do`. The main view area shows transaction details for a specific transaction ID: `ec773730-432e-11e4-b35a-005056a53927`. The transaction start time is `2014-09-23 10:35:54 284` and the wall time is `1437ms`.

The transaction diagram illustrates the flow of the transaction, showing the sequence of activities and their durations:

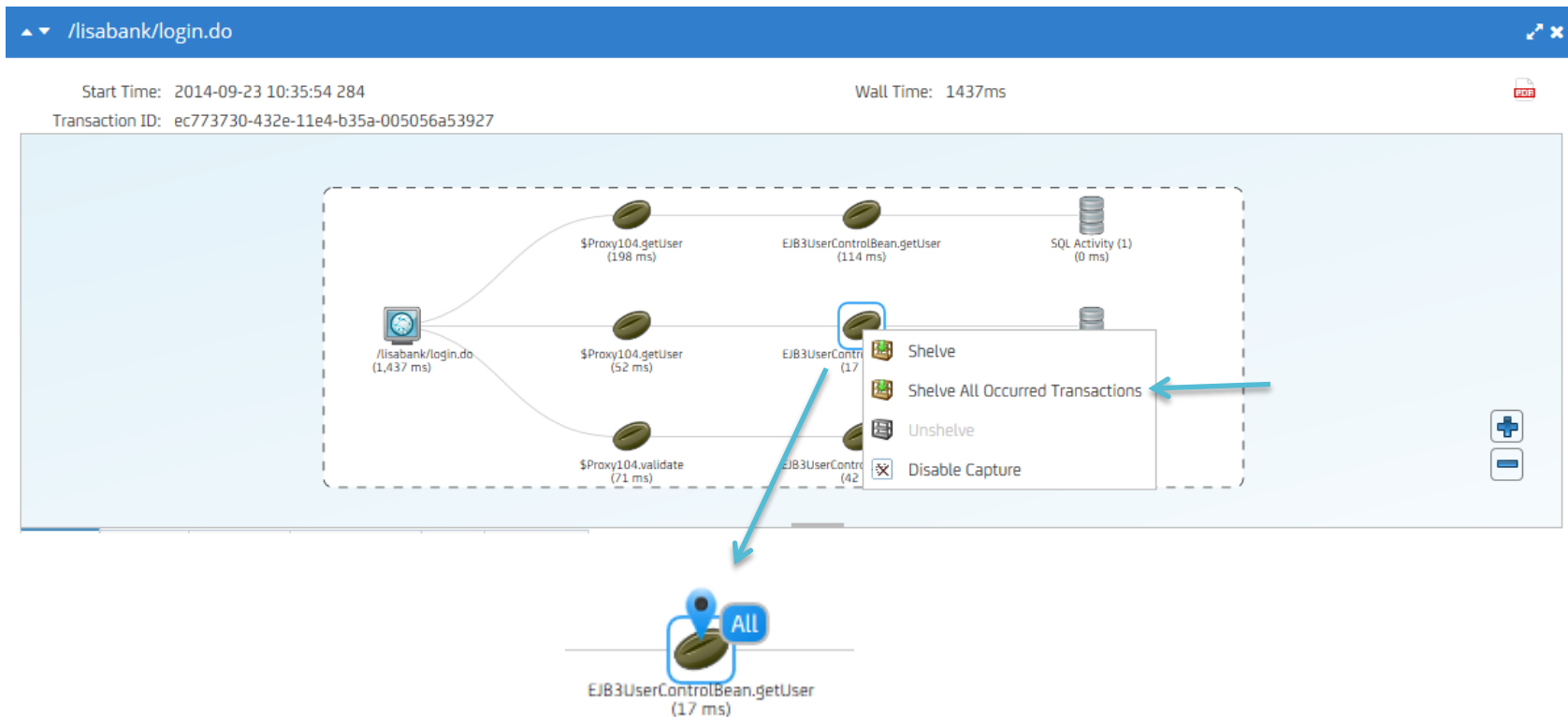
- `/lisabank/login.do` (1.437 ms)
- `$Proxy104.getUser` (198 ms)
- `EJB3UserControlBean.getUser` (114 ms)
- `SQL Activity (1)` (0 ms)
- `$Proxy104.getUser` (52 ms)
- `EJB3UserControlBean.getUser` (17 ms)
- `SQL Activity (1)` (0 ms)
- `$Proxy104.validate` (71 ms)
- `EJB3UserControlBean.validate` (142 ms)
- `SQL Activity (1)` (0 ms)

The diagram also shows the response XML, which is a JSON object representing a user entity:

```
<com.itko.examples.entity.User>
  <login>lisa_simpson
  </login>
  <pwd>60fAfQq+W0R4HrLgSfPodkWRw9I=
  </pwd>
  <fname>lisa
  </fname>
  <lname>simpson
  </lname>
  <email>lisa.simpson@itko.com
  </email>
  <phone>123-456-7890
  </phone>
  <ssn>295-20-0146
  </ssn>
  <newFlag>true
  </newFlag>
  <roleKey>REGULAR
  </roleKey>
  <accounts class="org.hibernate.collection.PersistentSet">
    <initialized>true
    </initialized>
    <owner class="com.itko.examples.entity.User" reference="..../>
    <cachedSize>1
    </cachedSize>
    <role>com.itko.examples.entity.User.accounts
    </role>
    <key class="string">lisa_simpson
```

Right Click actions

Add transaction to shelf, merged transactions, all occurrences, remove noise



Shelf View

Generate consolidated baselines, virtual services, PDF documents

The screenshot displays the DevTest Portal interface. The top navigation bar includes the CA Technologies logo, the text "DevTest Portal", and a user profile for "admin". The left sidebar contains a menu with options: Home, Create, Manage, Monitor Tests, Application Insight, Business Transactions, Manage Tickets, Find Defects, Transaction DocGen, and Configure Agents. The main content area is titled "Shelf > Create Virtual Service" and shows a list of "Virtual Services: 3". Each service entry includes a timestamp, a service name, a status (All), and a description. The first service is "2014-09-23_10-35-54_735_EJB3UserControlBean.getUser" with a description "EJB - com.itko.examples.ejb3.EJB3UserControlBean - jnp://141.202.34.95:1099/EJB3UserControlBean/remote {EJB3UserControlBean.getUser}". The second service is "2014-09-23_10-35-54_818_EJB3UserControlBean.validate" with a description "EJB - com.itko.examples.ejb3.EJB3UserControlBean - jnp://141.202.34.95:1099/EJB3UserControlBean/remote {EJB3UserControlBean.validate}". The third service is "2014-09-23_12-24-07_148_Proxy110.addAccount" with a description "EJB - com.sun.proxy.\$Proxy110 - jnp://141.202.34.95:1099/EJB3AccountControlBean/remote {EJB3AccountControlBeanRemote.addAccount}". Each service entry has options to "Treat all transactions as stateless", "Report 'No Match'", or "Bypass Virtual Service". A blue arrow points to the "Create Virtual Service" link in the top navigation bar. Another blue arrow points to the "Show All Agents" checkbox in the top right corner of the virtual services list. A third blue arrow points to the "Business Transactions" link in the left sidebar. A network diagram on the right side of the screen shows various agents and services connected, including "Broker:YANFA01RAS0\$ayanfa01ra50.ca.com", "Phoenix:Administratorayanfa01ra50.ca.com", "RA-NITLV-3-95-2_Agent", "RA-NITLV-3-95-3_Agent", "Registry:YANFA01RAS0\$ayanfa01ra50.ca.com", "JBoss_LISABank", "VSE:YANFA01RAS0\$ayanfa01ra50.ca.com", "Administratorayanfa01ra50.ca.com", and "LW:Administratorayanfa01ra50.ca.com". A blue arrow points to the "JBoss_LISABank" node in the diagram.

DevTest Portal

Home × Business Transactions ×

Create Virtual Service

Shelf > Create Virtual Service

Virtual Services: 3

2014-09-23_10-35-54_735_EJB3UserControlBean.getUser All

EJB - com.itko.examples.ejb3.EJB3UserControlBean - jnp://141.202.34.95:1099/EJB3UserControlBean/remote {EJB3UserControlBean.getUser}

☐ Treat all transactions as stateless

☐ Report "No Match" ☐ Bypass Virtual Service

2014-09-23_10-35-54_818_EJB3UserControlBean.validate All

EJB - com.itko.examples.ejb3.EJB3UserControlBean - jnp://141.202.34.95:1099/EJB3UserControlBean/remote {EJB3UserControlBean.validate}

☐ Treat all transactions as stateless

☐ Report "No Match" ☐ Bypass Virtual Service

2014-09-23_12-24-07_148_Proxy110.addAccount

EJB - com.sun.proxy.\$Proxy110 - jnp://141.202.34.95:1099/EJB3AccountControlBean/remote {EJB3AccountControlBeanRemote.addAccount}

☐ Treat all transactions as stateless

☐ Report "No Match" ☐ Bypass Virtual Service

Business Transactions

Manage Tickets

Find Defects

Transaction DocGen

Configure Agents

Broker:YANFA01RAS0\$ayanfa01ra50.ca.com

Phoenix:Administratorayanfa01ra50.ca.com

RA-NITLV-3-95-2_Agent

RA-NITLV-3-95-3_Agent

Registry:YANFA01RAS0\$ayanfa01ra50.ca.com

JBoss_LISABank

LW:Administratorayanfa01ra50.ca.com

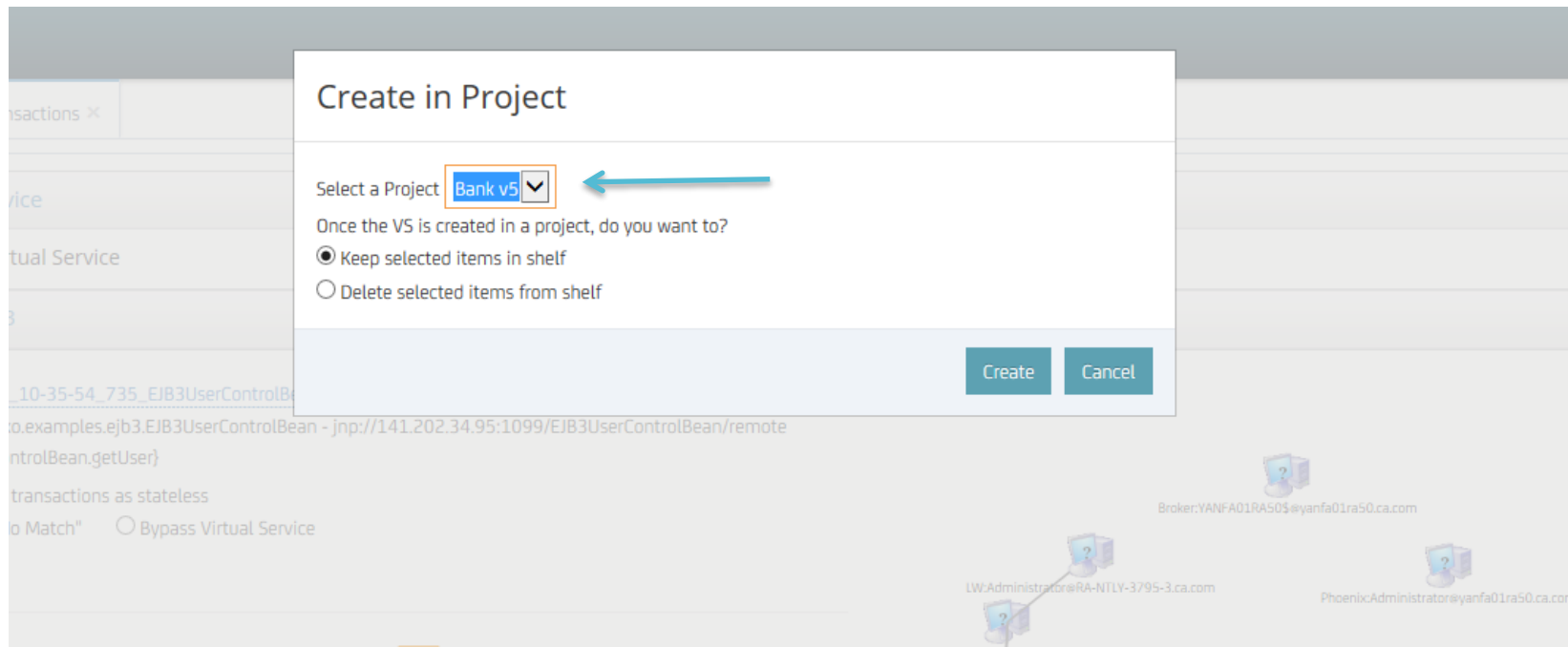
VSE:YANFA01RAS0\$ayanfa01ra50.ca.com

Administratorayanfa01ra50.ca.com

Show All Agents

Integrated DevTest workflow

Create baseline and VS directly in DevTest project. Backwards compatible with existing Workstation



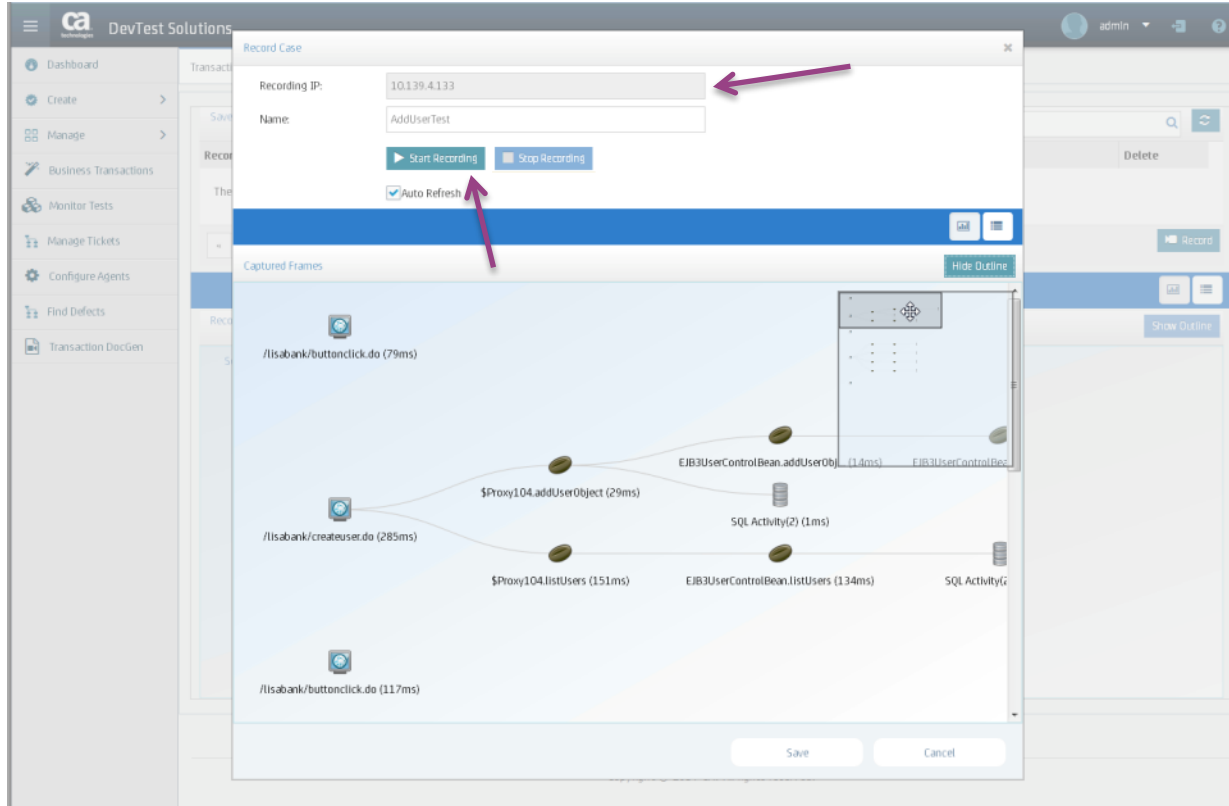
DocGen Workflow

Generate visibility into system architecture and data flows

- Solves problem of “what is behind my UI” or “what is behind my API”
- Transaction paths are dynamically loaded into the UI as they are processed by Path Finder
- Use transactions to document backend code, databases, and can be used to generate assets
- Associate the documentation with your RTC and Rational test cases

Real time live documentation of UI and API's

Visualize what is behind the black box



Find Defects Workflow

New analytics visualized in UI

- Refine and full text search like Business transactions
- Annotations
 - Show log4j messages captured
 - Show exceptions captured
 - Response times percentile
- Pin drops to identify interesting transactions and find them again
- 1 click generation of all assets

Annotations

Show log messages, exceptions, 9Xth percentile of response

The screenshot displays the CA DevTest Solutions interface. On the left is a sidebar with navigation options: Dashboard, Create, Manage, Business Transactions, Monitor Tests, Manage Tickets, Configure Agents, Find Defects, and Transaction DocGen. The main area shows a status message: "Successfully created virtual service for session 2014-09-16_11-35-48_684_EJB3UserControllerBean.deleteUser (6 pending (6 success))". Below this are tabs for Dashboard, Business Transactions, and Find Defects. The "Find Defects" tab is active, showing a search duration of 1 Day and 33 results. A search bar is present with the text "Enter Search Text". The main visualization is a flow diagram showing various operations and their durations. A red circle highlights a specific operation: "EJB3UserControllerBean.deleteUser (27ms)". A purple arrow points to the "Annotation" button in the top right corner of the flow diagram. A modal window is open, showing the "Annotation" tab. It contains checkboxes for "Exceptions", "Log Messages", and "Show response time percentile". The "Show response time percentile" is set to 90. The flow diagram also shows other operations like "EJB3UserControllerBean.deleteUser (86ms)", "SQL Activity(1) (5ms)", "EJB3UserControllerBean.deleteUser (16ms)", "EJB3UserControllerBean.deleteUser (8ms)", "SQL Activity(1) (1ms)", "EJB3UserControllerBean.addUser (16ms)", "EJB3UserControllerBean.addUser (12ms)", "SQL Activity(1) (1ms)", "EJB3UserControllerBean.addUser (44ms)", and "SQL Activity(2) (1ms)".

Points of Interest

Drop a pin on the transaction map to remember a position

The screenshot displays the CA DevTest Solutions web application interface. On the left is a sidebar with navigation options: Dashboard, Create, Manage, Business Transactions, Monitor Tests, Manage Tickets, Configure Agents, Find Defects, and Transaction DocGen. The main area shows a 'Business Transactions' view with a search bar and filters. A transaction map is visualized, showing a sequence of operations and their durations. A purple pin is dropped on the 'EJB3AccountControlBean.validate' transaction, which has a duration of 19ms. A context menu is visible over the pin, offering options: 'Pin Transaction', 'Generate All Assets', 'Generate Document', and 'Remove Pin'. The map also shows other transactions like '\$Proxy192.getAccount' (16ms), 'EJB3AccountControlBean.getAccount' (4ms), and 'SQL Activity(1)' (0ms). The interface includes various controls for refining the search, such as 'Search Duration: 1 Day' and 'Results: 60'.

Defect replay – Generate all assets

For a single transaction generate expanded & stateful baseline and VS

The screenshot displays the CA DevTest Solutions web interface. On the left is a sidebar with navigation links: Dashboard, Create, Manage, Business Transactions, Monitor Tests, Manage Tickets, Configure Agents, Find Defects, and Transaction DocGen. The main area shows a 'Find Defects' view with a 'Refined By' section containing filters for Agent, Category, Exec Time, Class Name, Operation, Local IP, Remote IP, Transaction ID, and Point of Interest. A 'Generate All Assets' dialog box is open in the center, with the text 'Select the following assets to generate:' and three checked options: 'Baseline', 'Baseline (Stateful)', and 'Virtual Service'. The dialog has 'Advanced', 'Generate', and 'Cancel' buttons. In the background, a transaction flow diagram is visible, showing steps like '\$Proxy192.getAccount (16ms)', 'EJB3AccountControlBean.getAccount...', and 'SQL Activity(1) (0ms)'. A blue pushpin icon is placed on the diagram, and a callout box with the text 'Pin Transaction', 'Generate All Assets', 'Generate Document', and 'Remove Pin' is shown next to it.

Ticket Generation

Formerly cases

- Same workflow for Alt-Click
- REST only integration into QC defects (dropped activeX VAPI for this only)
- New UI to find and process

Manage ticket list

Time, reporter, status and text search




CA DevTest Solutions

Dashboard | Transaction DocGen | Manage Tickets

Manage Tickets

Reporter: Status: Select a status

Search:

Actions	Title	Date	Defect	Reporter	Status
  	Account Discount not apply	2014-09-16 12:07:58 321	JIRA-11212		New

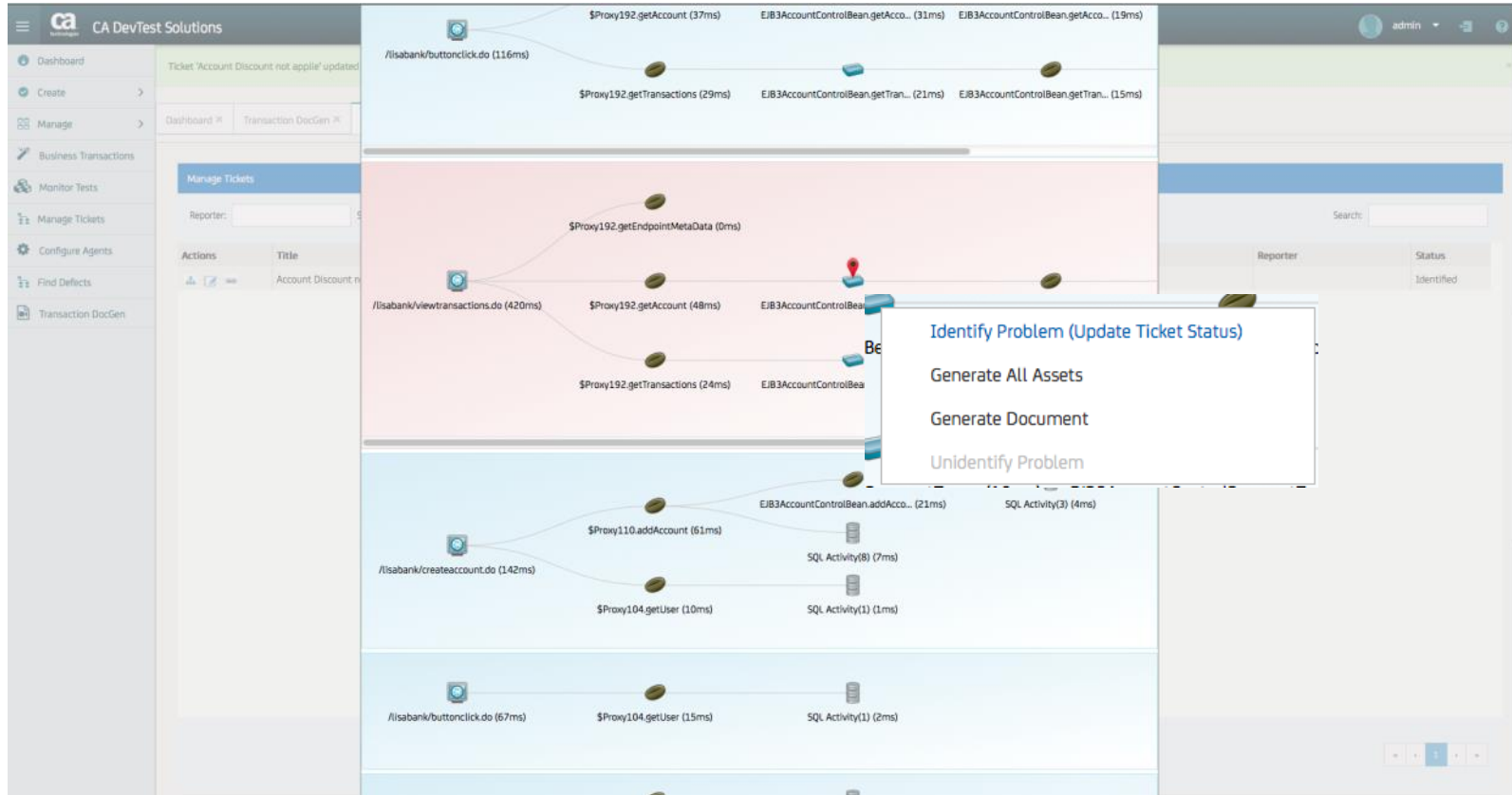
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View paths associated with Ticket



Pin Drop for Identifying the problem

Searchable as a point of interest





Q & A