New tricks from old dogs

Upgrade Console and APMConnect

Tim Dargavel, Response Systems

EDGE User group, Belgium
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Who are Response Systems?

CA Gen product specialist company

- Founded in 1996 in the UK
- Over 150 CA Gen customers globally
- A long-established CA Technologies product partner
- Acquired by Facet Consulting from Australia in 2007

Extended product offerings for CA Gen customers

- *Access Gen* provides developer productivity capability
- *QA Console* enables automated standards compliance
- ***Upgrade Console*** delivers instant CA Gen upgrade impacts
- ***APMConnect*** enables real-time APM for CA Gen.

Upgrade Console
Faster CA Gen upgrades

CA Gen upgrades

Necessary, but sometimes risky and expensive

- New features needed to deliver business capability
- Needed for compatibility with infrastructure software
- Usually require considerable testing and disruption

Why? Due to application behavior changes

- Only identified during wide and thorough testing
- Remediation undertaken as problems encountered
- So deployment success becomes tied to testing effort

Now we can take the guess-work out…

Upgrade Console brings a new approach

Upgrade Console can be used up front to

- Identify all known incompatibilities
- For all versions of CA Gen from R5.1
- For every supported technical platform

So you can start your Upgrade knowing

- All the code changes needed to fix incompatibilities
- So therefore precisely where to focus testing effort
- Project starts with effort, duration and risk all defined

So how does it work?

1. Specify your versions
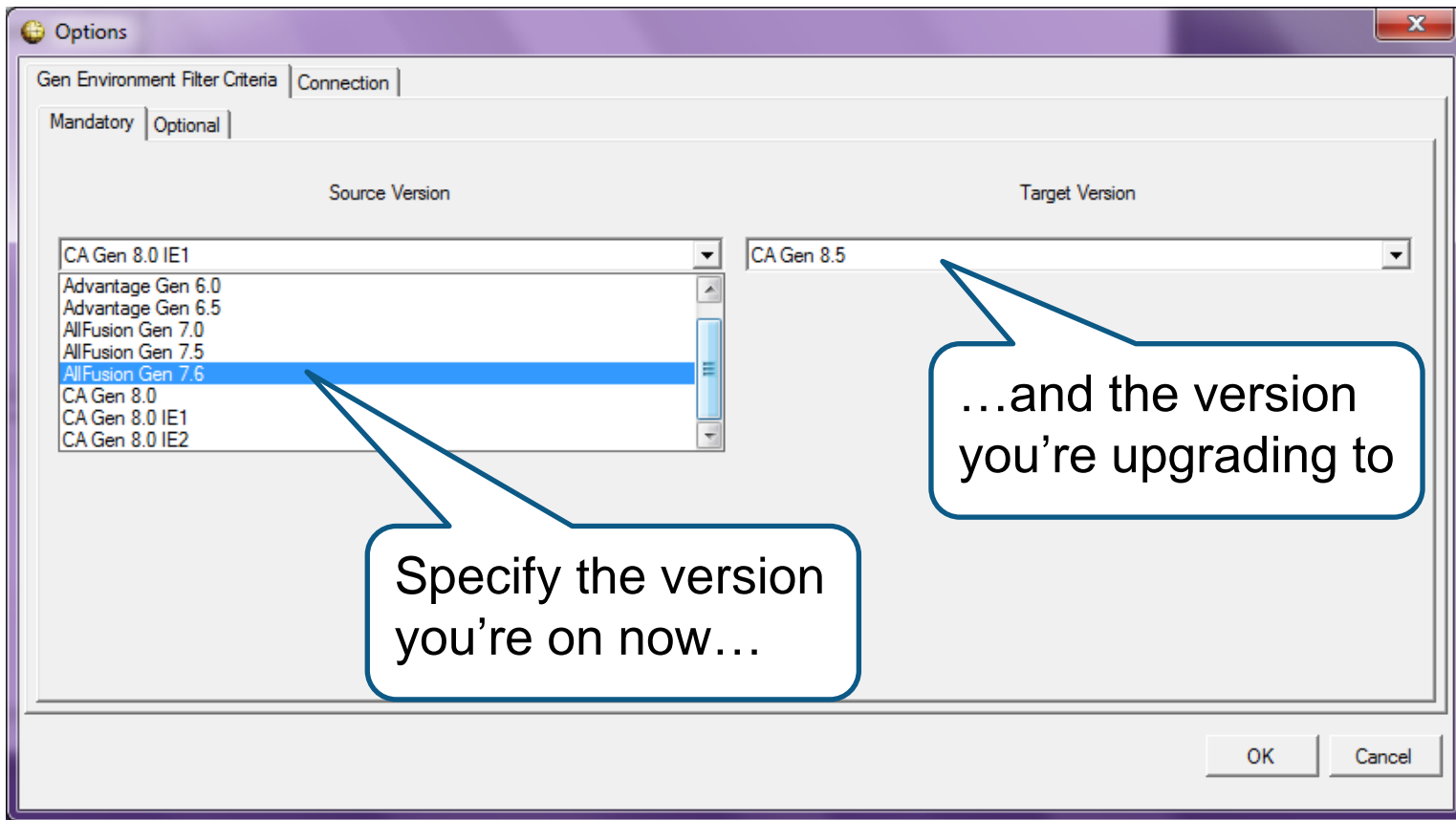
1. Specify your versions and platforms

… and all of your application platform technologies

2. Summarise the issues in the model

…and produce the Summary

Choose the (entire) model to check…

2. Summarise the issues in the model

Every object checked and shown as passed… or…

2. Summarise the issues in the model

… or failed one or more specific checks that apply

2. Summarise the issues in the model

… selecting a specific check shows all affected objects in the model …

… and provides all relevant information on the issue

3. Get the detail for each issue identified

…and get the detail

Select all the objects that have been identified with issues…

3. Get the detail for each issue identified

Shows the model name and all options you chose

3. Get the detail for each issue identified

Scrollable list shows every module with code snippets

Along with the advice on what to do about each issue

What customers are saying:

*"The Upgrade Console was an invaluable component of our analysis and **saved us significant effort** by describing what and where we had to change in our applications.*

*"Our quality assurance was simplified as **we were able to reduce our testing cycles** - because we knew exactly where to focus our testing effort.*

*"An additional benefit of Upgrade Console came from employing the product to **validate** that **the upgrade remediation changes**, made by developers, were correctly completed".*

David Morris, PMP
CA Gen Upgrade Project Manager
Australian Customs and Border Protection Service.

APMConnect

Insight to CA Gen application performance

Application Performance Monitoring
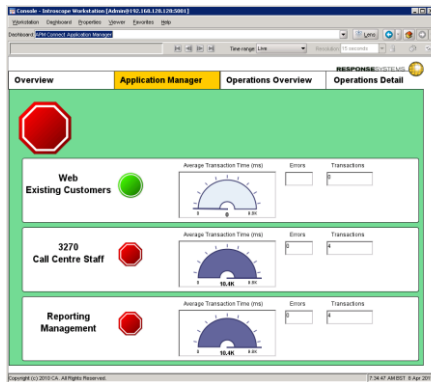
Service Assurance – is everything ok?
For ICT and Business owners – is the functionality I
am responsible for being delivered?

Triage – where are my problems?
Avoid the blame-game - quickly identify
exactly where in the application stack the
problems exist – so they can be remedied
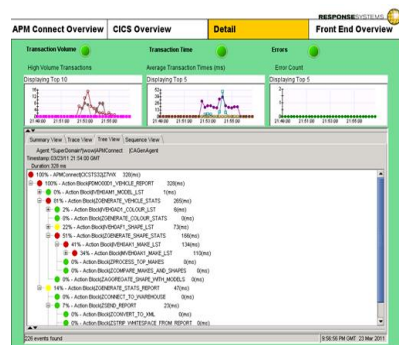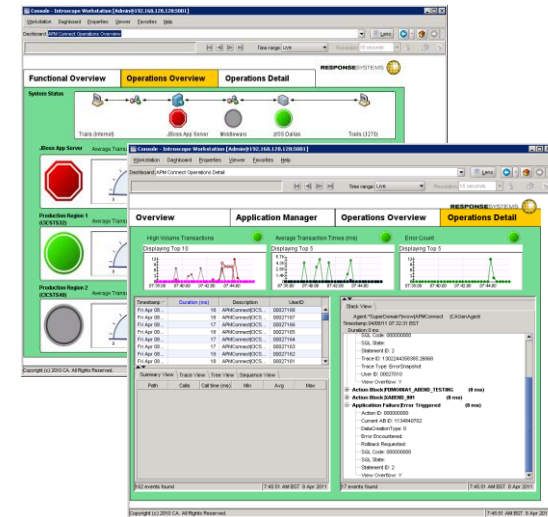
Performance – can I get more from my resources?
Identifying hotspots and bottlenecks within large and
complex applications can unlock significant cost savings

Applications are all now multi-platform

Business transactions run across multiple technical platforms

... so effective triage depends upon a **single integrated monitoring view end-to-end**

... where the ability to **deep-dive inside applications** on each platform becomes crucial.
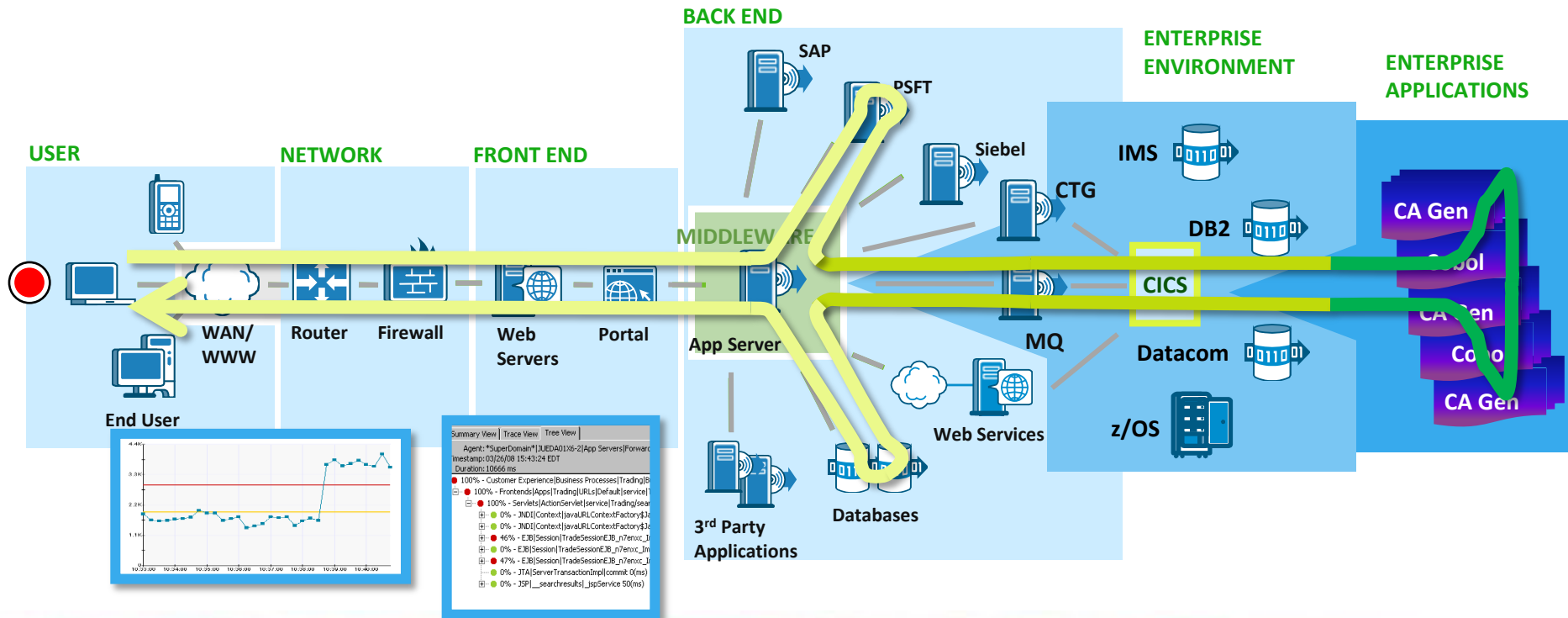
How does APMConnect work?

APMConnect solution architecture

Enterprise

Control

APMConnect
Configure and
Deploy

Execution

APMConnect
Agent

COBOL Apps

CA Gen Apps

CA Gen Apps

APMConnect Configure and Deploy
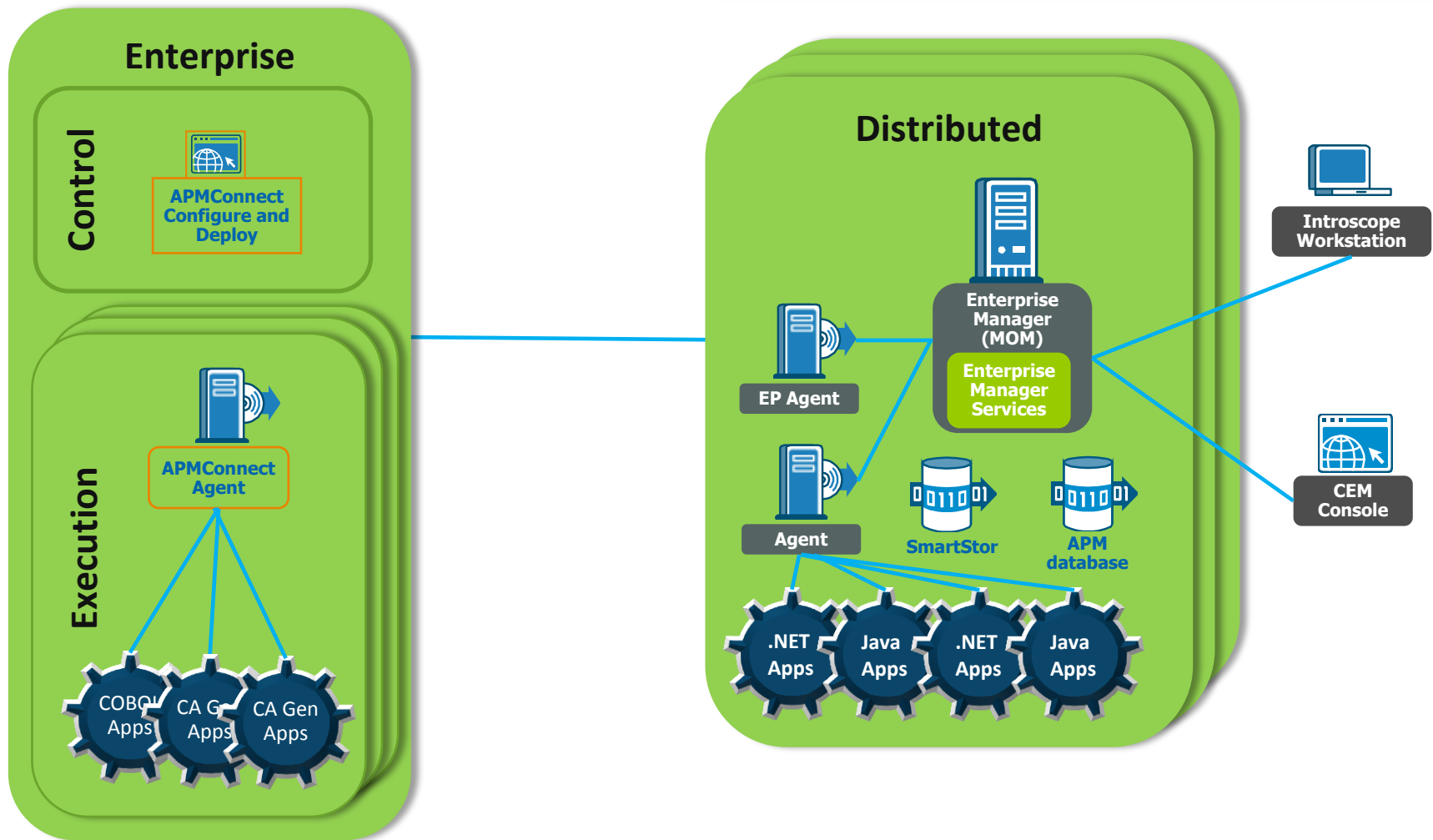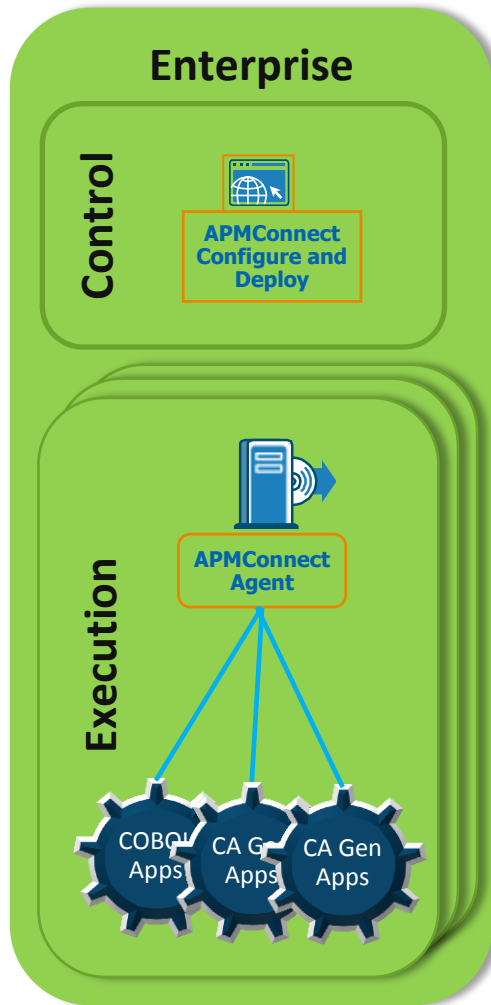
- Rapid deployment to Execution server/region
- Manages Transaction Trace filtering
- Monitors APMConnect Agents

APMConnect Agent

- Integrates with CA Gen transactions
- Configured to dynamically filter by
  - ❑ transaction code
  - ❑ execution duration thresholds
  - ❑ transaction failure thresholds
- Sends data across to Enterprise Manager.
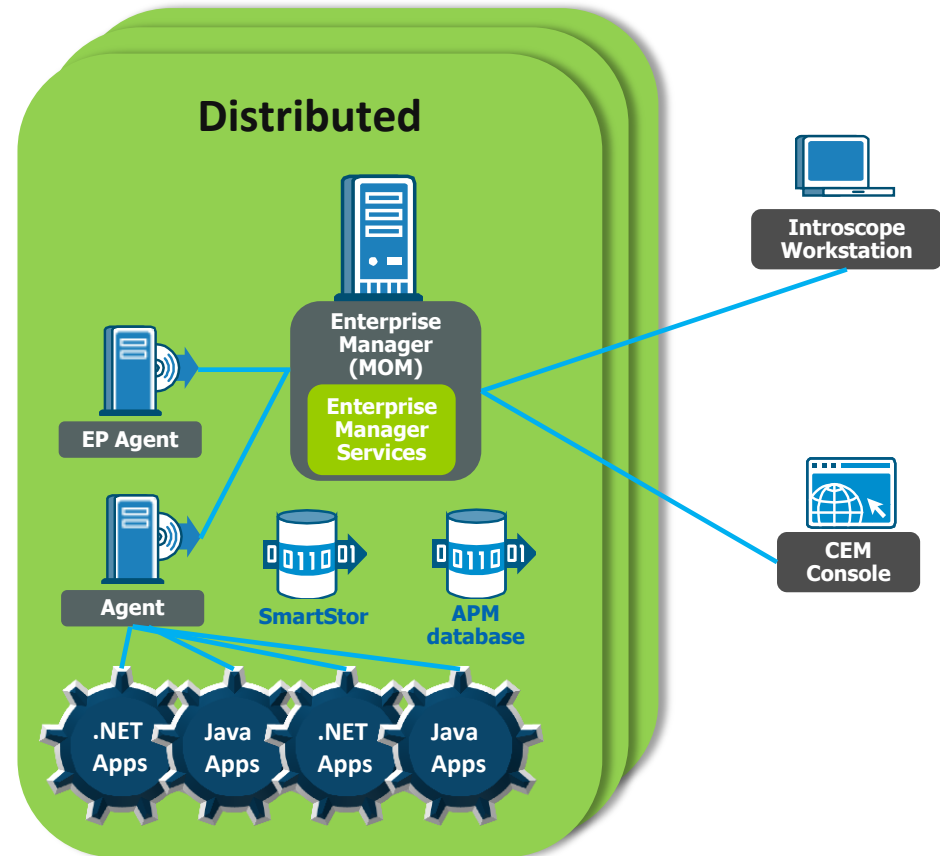
APMConnect solution architecture

Distributed platform

- Java and .NET agents
- APMConnect plugs in through EP Agent
- Seamless and instant

Introscope & CEM

- All the powerful features of world-class APM
- Now with the same deep dive for CA Gen apps.

See inside executing applications

Use the **Tree View** to..

..traffic lights for execution highlights

..and the elapsed time in ms

..see the call stack exploded

..instant visibility to where time is spent.

Visibility across technology platforms
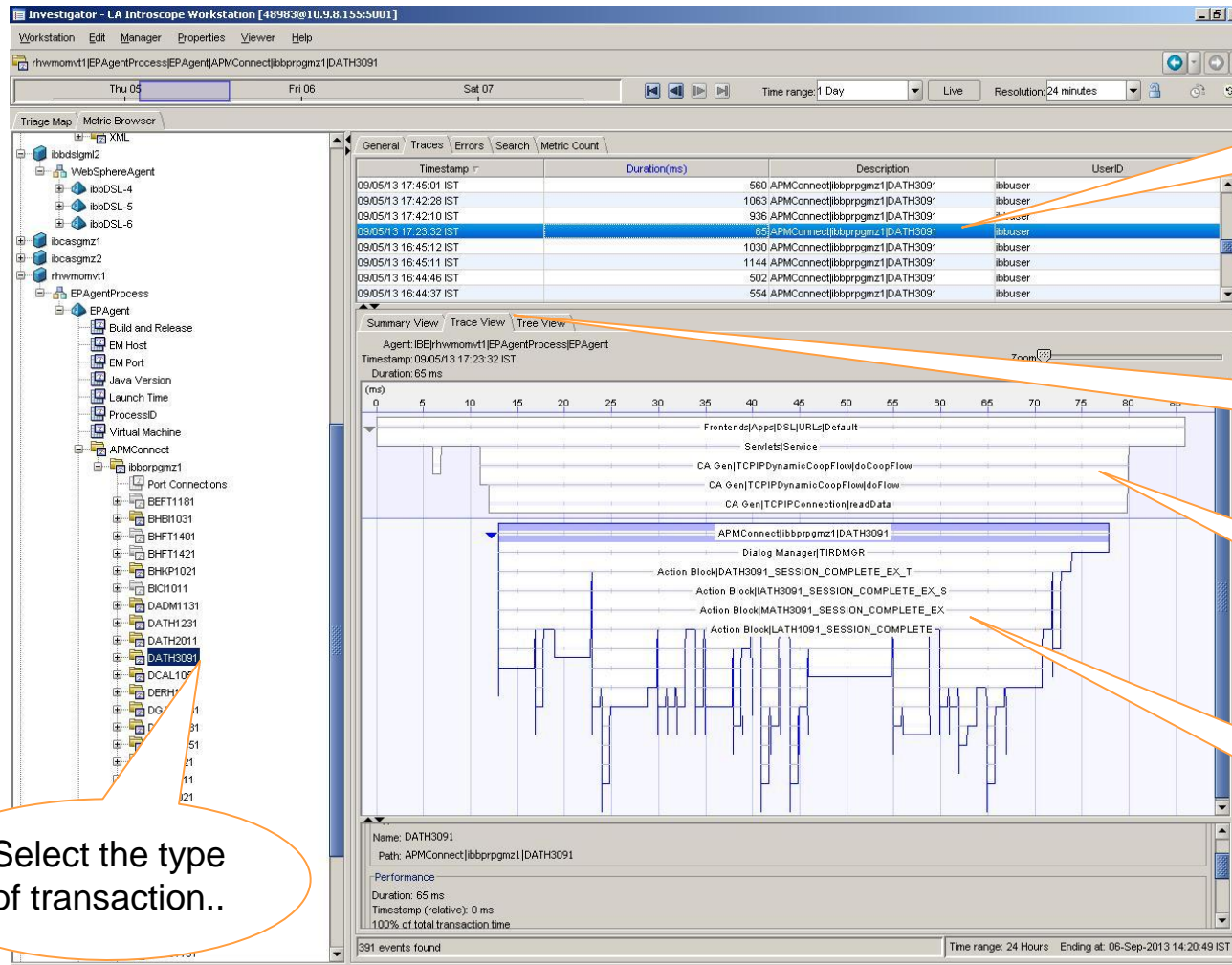
..then the specific transaction..

Use the **Trace View** to see the visual layout..

..the platform running Java..

..calling the CA Gen backend service.

Select the type of transaction..

Uncover performance hotspots

When things go wrong

All transaction failures are caught

.. showing the call stack that executed

.. and the failing action block with the statement in error.

Market leading benefits and features

- ✓ **Pro-active application monitoring in a CA Gen context**
  Minimal footprint enables always-on monitoring
  CA Gen context gives developers information to instantly act on
- ✓ **Sub-transactional visibility in real-time**
  See the execution path inside the transaction, as it occurs
- ✓ **End-to-end cross-platform transaction integration**
  Follow your business transaction across each technical platform
- ✓ **Performance analysis on consolidated transactions**
  Identify hotspots in your application to deliver cost savings
- ✓ **Non-intrusive to executing applications**
  No source code changes, no recompiles, relinks or rebinds needed.

New tricks from old dogs

Accelerating CA Gen upgrades: **Upgrade Console**

- Identifies the issues for the CA Gen upgrade upfront
- Lower cost – Remediation defined and testing is focused
- Lower risk – All required change is known upfront
- Faster time to market – Project duration is reduced

CA Gen application performance: **APMConnect**

- Real-time visibility into executing CA Gen applications
- Visibility into your applications – across all platforms
- Faster time to remediation when things do go wrong
- Better application performance by finding "hotspots".

For further information

Upgrade Console demonstration

– www.response-systems.com/solutions/uc

– Happy to demonstrate on one of your models

APMConnect information or trial

– www.response-systems.com/solutions/apm

– Trial the software in your environment

Contact us

– tim.dargavel@response-systems.com

– +44 7798 523-857 (UK)

– +61 417 009311 (AU).