Can you monitor your CA Gen applications in real-time?

APMConnect for CA Gen
APMConnect for COBOL

Customer outreach
Hamburg, Germany
Thursday 27th September.

Who are Response Systems?

Independent Software Vendor (ISV)

- Founded in 1996 in the UK, with over 150 customers globally
- A long-established CA Technologies product partner
- Acquired by Facet Consulting from Australia in 2007
- Offices in Australia and the United Kingdom

Product offerings for z/OS application customers

- **APMConnect for Cobol** enables real-time APM on Cobol
- **APMConnect for CA Gen** enables real-time APM on CA Gen

Product offerings for CA Gen customers

- *Access Gen, QA Console and Upgrade Console.*

Overview

The **changing world** of Application Performance Monitoring

An overview of the APMConnect **solution architecture**

A look at key product **features**

APMConnect demonstration

A summary of solution **benefits.**
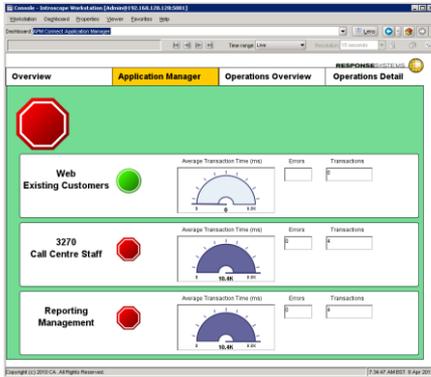
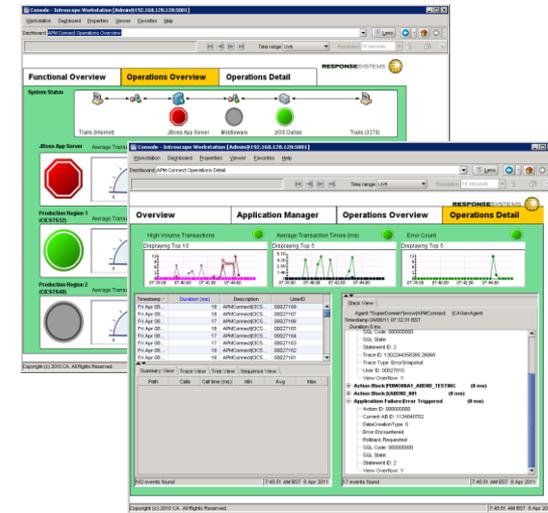# the changing world of APM

The fundamental demands are unchanged

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
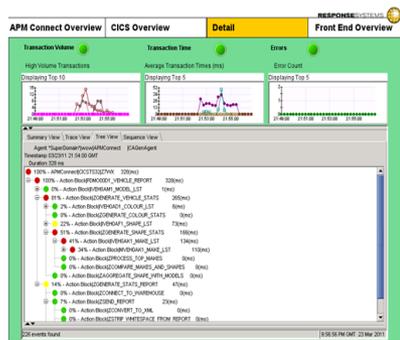
APM demands driven by application complexity

| Applications are becoming more complex | Identification of where problems lie is now much more difficult | The ability to rapidly identify the where the problem is located is now critical to any remediation. |
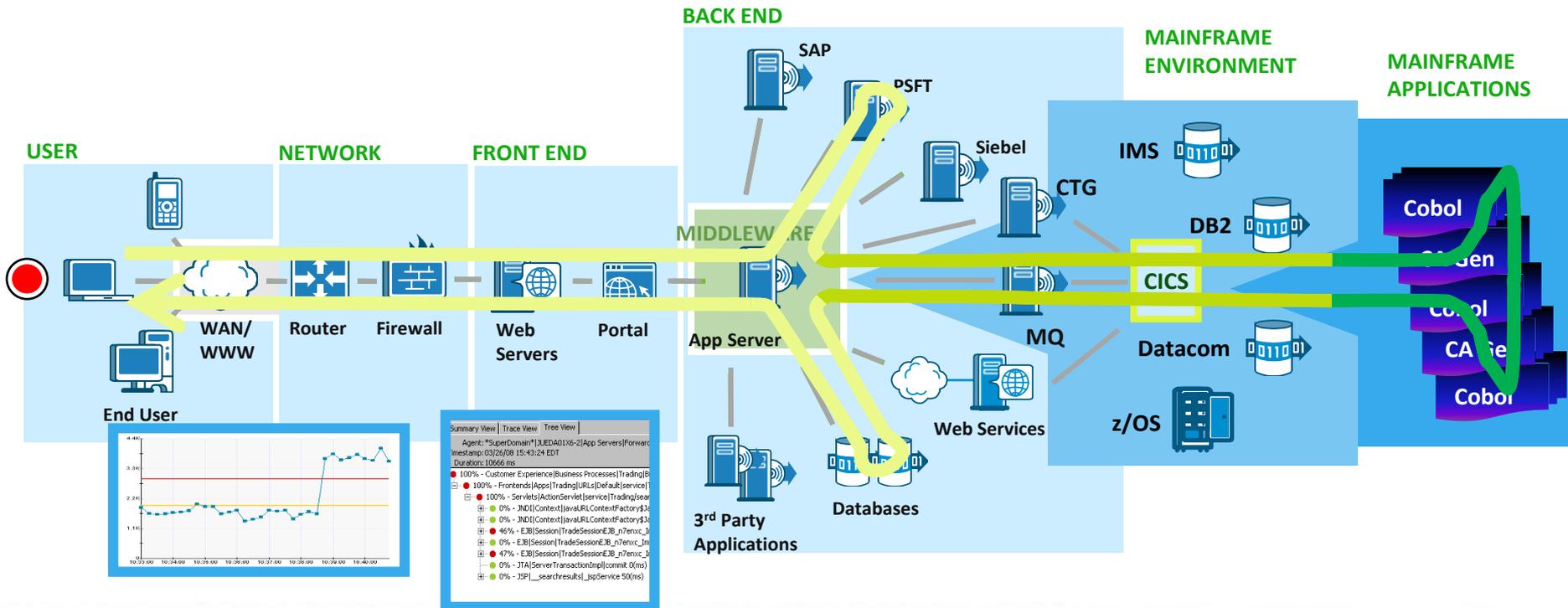
Monitoring capability must match application complexity

"The gulf that has historically divided mainframe systems management and distributed systems management at most IT organizations is extremely problematic when it comes to maintaining the health of the kind of multi-tier applications widely in use today...
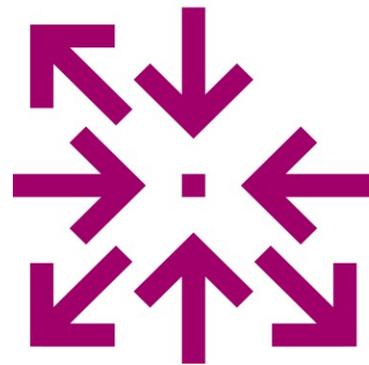
...by offering a practical way to bridge this gulf, tools that collect and assess information from multiple platforms can help IT organizations do a better job of ensuring optimized service levels for these multi-tier applications."
Bill Malik, Research Director, Gartner

Source: CA Press Release, October 2009

Business delivery is application focused

"While most IT operations teams still regard the management of infrastructure components (virtual and real servers, networks, and storage farms) as their core competency, they have increasingly come to understand that these elements deliver **value to the business only in the context of the applications they support**…

…Business decision makers have, in fact, been the most enthusiastic advocates of application-centric IT operations management.. ..to them, the most important and visible element that IT delivers with regard to **business process execution is the predictable and effective flow of application-based transactions.**"
Will Cappelli, Research VP, Gartner

Source: Gartner Group, 2010
Magic Quadrant for Application performance Monitoring
Gartner RAS Core Research Note G00173116, Will Cappelli

The evolution of enterprise APM

Early monitoring software (APM 1.0)

- Platform centric – rather than cross-platform
- Infrastructure focused – rather than application focused
- Heavy footprint – see everything, but at a significant overhead
- Eg: BMC TriTune, Compuware STROBE, IBM Omegamon/Expediter

APM2.0 overcame these to meet market demands

- **Wily** largely defined and then led this new market for APM2.0
- A single perspective over multiple application platforms
- APM that is <u>Applications</u> rather than infrastructure focused
- A footprint that enables always-on – providing proactive visibility
- **APMConnect is APM2.0 capability for mainframe applications.**

so how does APMConnect work?
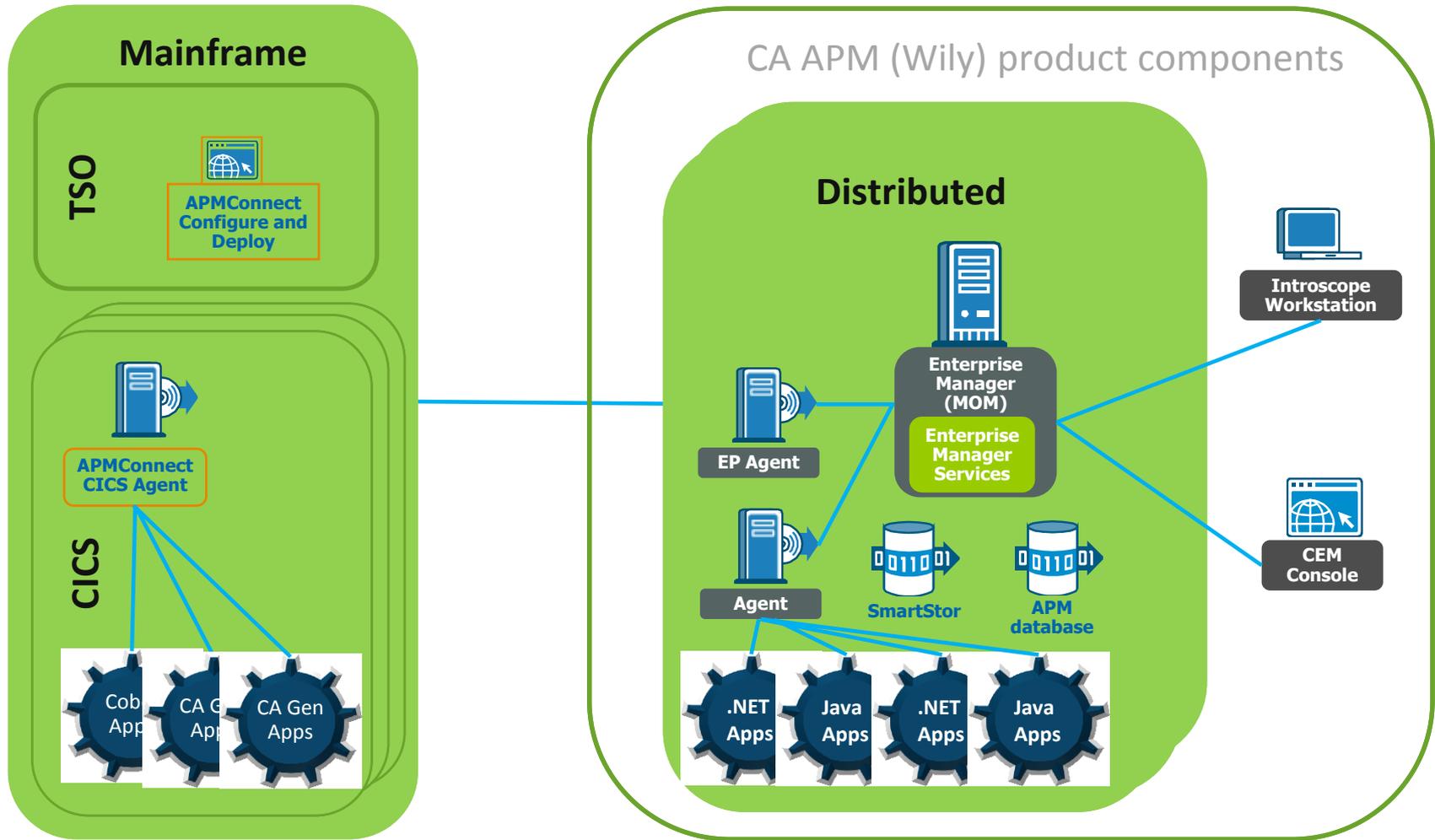
APMConnect solution architecture

APMConnect solution architecture

Mainframe

TSO

APMConnect Configure and Deploy

CICS

APMConnect CICS Agent

Cobol Apps

CA Gen Apps

Cobol Apps
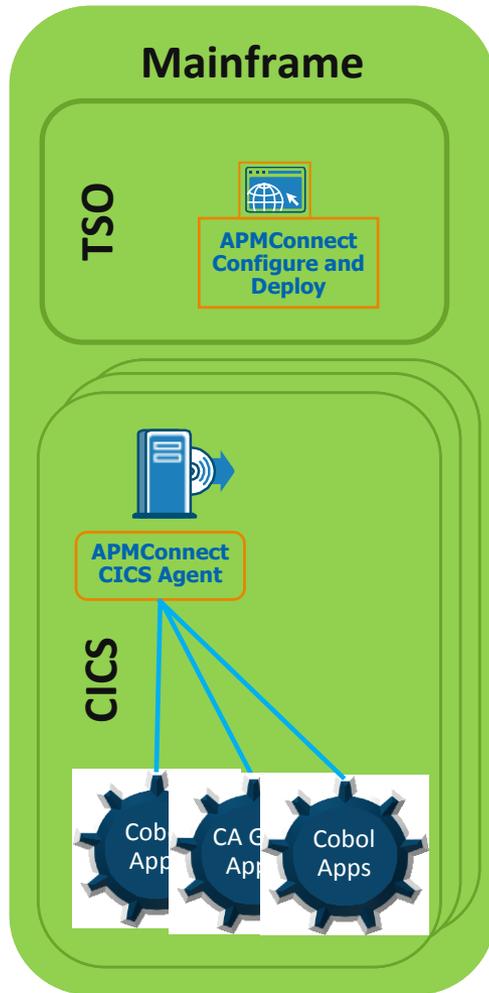
APMConnect Configure and Deploy

- Rapid deployment to CICS regions
- Manage Transaction Trace filtering
- Monitors APMConnect CICS Agents

APMConnect CICS Agent

- Integrates with any CA Gen transactions
- Configured to dynamically filter by
  - ❑ transaction code
  - ❑ execution duration thresholds
  - ❑ transaction failure thresholds
- Sends data across to CA APM (Wily).

APMConnect solution architecture

CA APM (Wily)

- Out of the box
- Known and proven
- 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.

CA APM (Wily) product components

Distributed

Enterprise Manager (MOM)

Enterprise Manager Services

EP Agent

Agent

SmartStor

APM database

Introscope Workstation

CEM Console

.NET Apps   Java Apps   .NET Apps   Java Apps
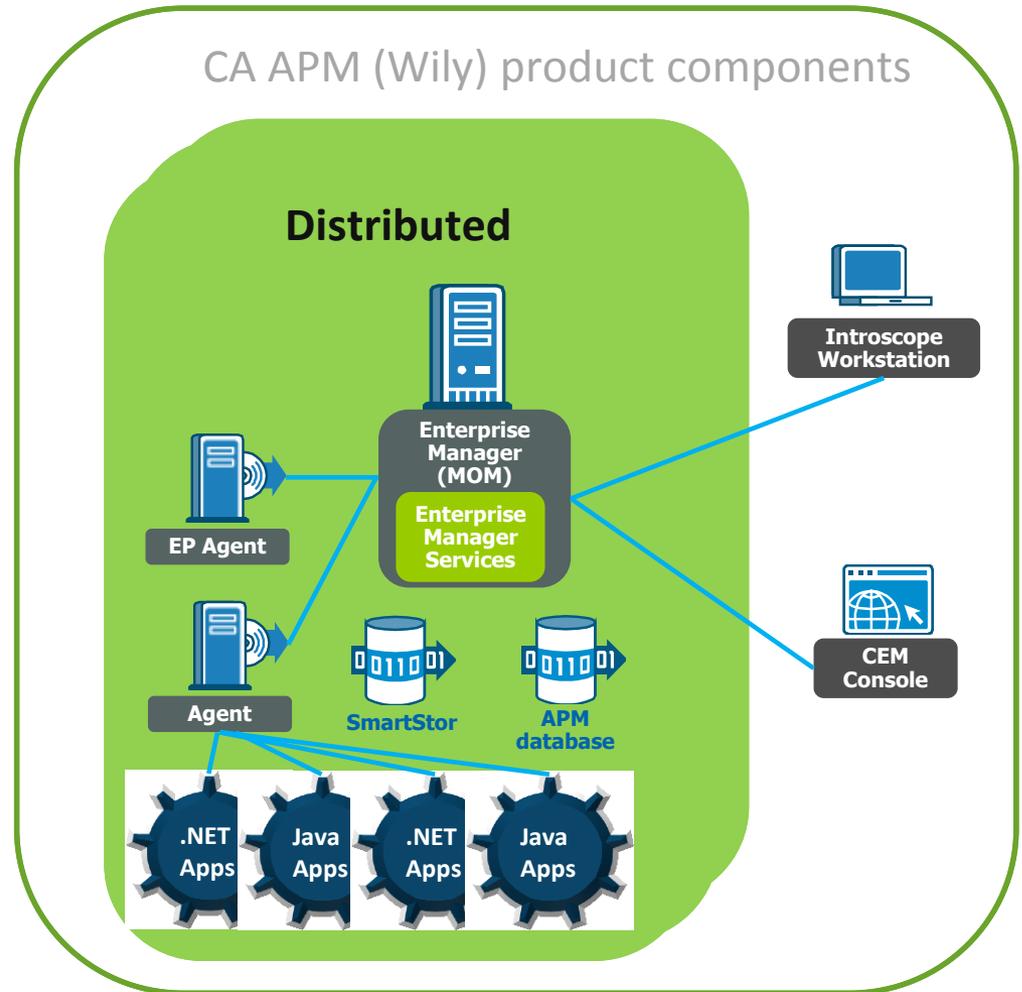
key product features

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

Uncover performance hotspots

When things go wrong

let's have a look - demonstration

what makes APMConnect unique?

Market leading benefits and features

- ✓ **Pro-active mainframe application monitoring**
  Minimal footprint enables always-on monitoring
- ✓ **Performance analysis on consolidated transactions**
  Identify hotspots in your application to deliver cost savings
- ✓ **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
- ✓ **Non-intrusive to executing applications**
  No source code changes, no recompiles, relinks or rebinds needed.

Additional features for APMConnect for CA Gen

- ✓ **Application monitoring in a CA Gen context**

    Monitoring that gives developers information to instantly act on

    Precise error diagnostics for resolving failure incidents rapidly

    No other product provides this real-time CA Gen context

- ✓ **Cross-platform support for CA Gen deployment**

    Drill down inside executing CA Gen mainframe transactions

    See inside executing CA Gen windows client transactions

    Integrate with Java and .NET proxy services across platforms.

Thank you

For further information

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