ROI of Performance Management



Recognized Performance Leader

- 20 years of innovation ensuring optimal network and application performance
- In-depth visibility to support critical IT initiatives:
 - UC, cloud, big data, application rollouts
- Discover and resolve issues more quickly

Joining the JDSU Family

Optimize Your Network at Every Layer



APPLICATION		1
PRESENTATION	SQL	4
SESSION	CRM	4
TRANSPORT	TCP UDP	4
NETWORK		1
DATA-LINK	Ethernet	1
PHYSICAL		1



Strong and Diverse Customer Base

Technology

Manufacturing

Healthcare

Insurance

Financial services

Retail

Government

Carriers







































































































































What's the Cost of Downtime & Delay?

- IT downtime costs \$26.5 billion in lost revenue*
- Average downtime cost for companies in 2012 was \$161K per hour**
- Second delay in website page-load time equals:***
 - 11% fewer page views
 - 16% decrease in customer satisfaction
 - 7% loss in conversions

^{*} CA Technologies, May 2011

^{**} Aberdeen Group Report, Feb. 2012

^{***}Aberdeen Group, March 2012

Application Challenges

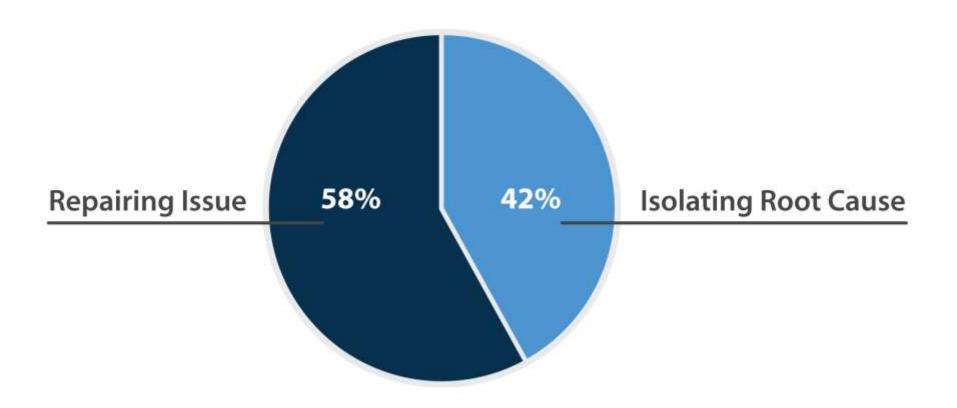
- Complex and highly distributed
- Tiers maybe virtual or accessed via WAN/Internet



- 61% report decreased visibility into user experience after move to cloud*
- IT staffs without APM spend
 46.2 hours per month in war-room meetings**

^{*}Fifth Annual State of the Network Study, Mar. 2012 **TRAC Research, October 2012

Turning the Troubleshooting Tide



TRAC Research, Inc. October 2012

Application Performance: Monitoring Best Practices



1. Monitor Variety of Technologies

Voice & Video

 Cisco, Microsoft, Avaya, Nortel, Shoretel, Polycom, etc.

Databases & Middleware

 Oracle, MySQL, MS SQL, Sybase, DB2, Informix, WebSphere, DynamoDB etc.

Virtual Environments

Citrix VMWare, Microsoft, Sun, storage, etc.

Network Services

Email, DNS, DHCP, Telnet, file sharing, etc.

WAN Optimization & Load Balancing

Cisco, F5, Riverbed, HP

Cloud Providers

Amazon, Google, Rackspace (Cloudkick)















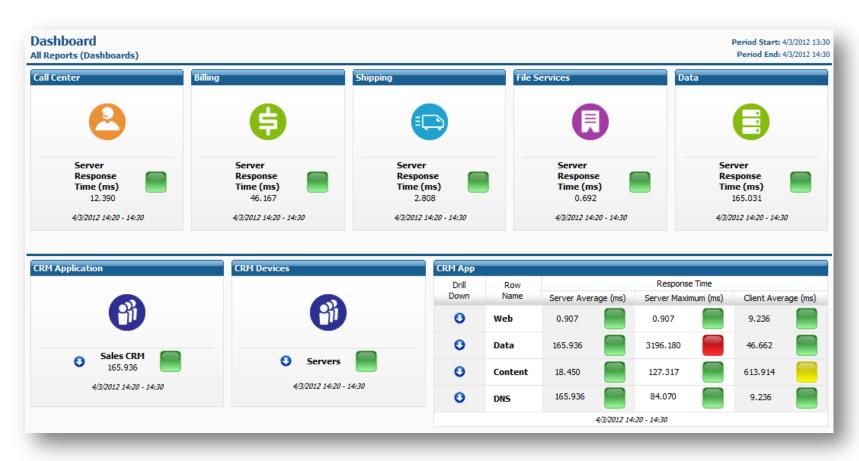




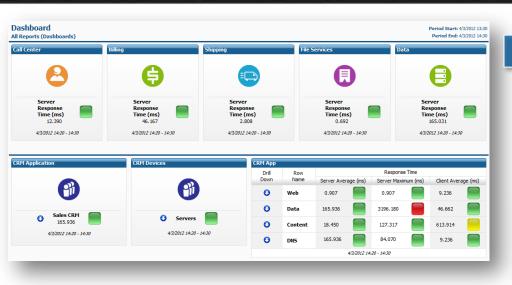
2. Utilize High-Level Reports and Views

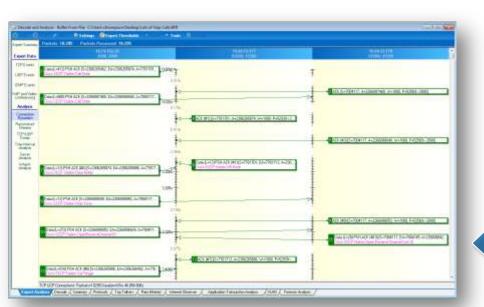
Begin with enterprise views of key items and services

- Tailor views to organization and team needs
- Easily assess condition and scope of the problem



3. Logical Troubleshooting Workflows







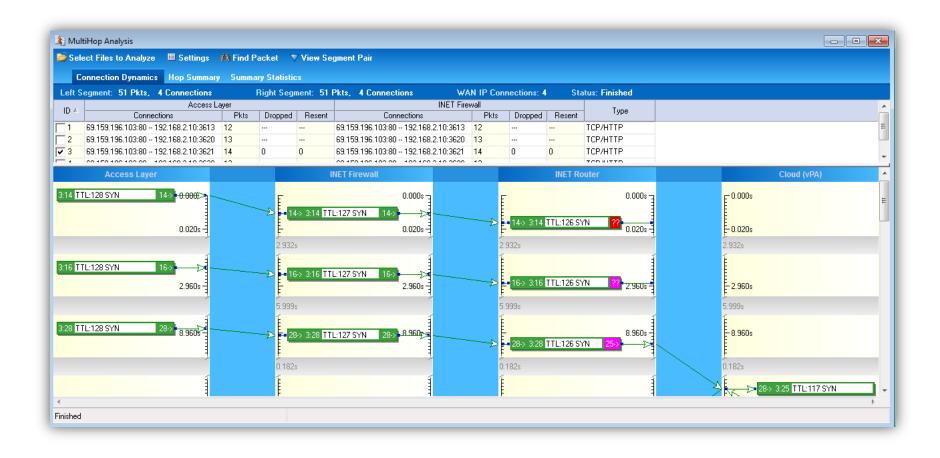
4. Behaviour Learning and Analysis

- Understand and benchmark the environment
- Set dynamic thresholds based on critical elements



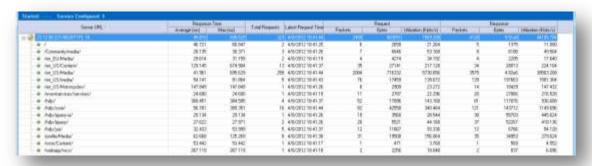
5. Multiple Segment Analysis

Track user-to-provider or *n*-tier conversations and prove point of delay



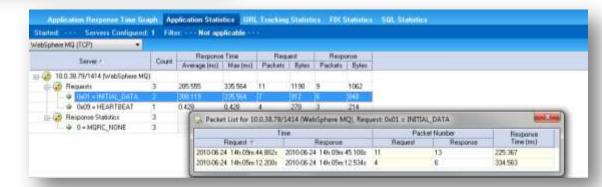
6. Transaction-Level Application Analysis

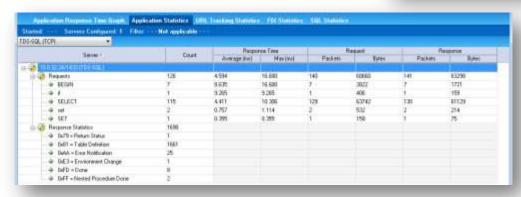
Analyze from error codes what's occurring



Application (Web)

Middleware (MQ)





Database (SQL)

ROI of APM



ROI of APM

Performance Improvement	Business Benefits
Reduced MTTR by 75% or more	Reduced hours spent in war-room meetings monthly by 59%
Critical monthly incidents involving app performance reduced by over 30%	Labor cost managing app performance reduced by \$223,000 on average
Improved success rate of 50% in preventing issues before users impacted	

TRAC Research, Inc.
October 2012

Discussion

