

PERFOR M DAY

DCRUM & SaaS Roadmap

Michael Allen

DC RUM Roadmap Update...



12.2

Triage Packet-Level Analysis
App Availability Analytics
Web 2.0 Mobile and Web for
DCRUM with dynaTrace RUM

DCRUM with dynaTrace RUM
Complete SAP Ecosystem with RFC
Modern UX and new OOTB
Dashboards
SMB/CIFS, SQL, SSL, ...

12.3

Automated Fault Domain Isolation
NPM-Based Workflows and Analysis
Auto-Discovery and Zero-Config
Monitoring
MS Lync, Oracle EBS
EAP Universal Decode
Enterprise Scalability with Clustering
& HA

Jan 2014

Dec 2014

DC RUM 12.3: The "top 5" summary



News



Auto-discovery

Discover all network applications, servers and client locations, start performance monitoring instantly



App-Aware NPM

Network Performance Analysis workflow bridges the Network and Applications teams



Office 365 performance

The new Lync VoIP decode and ability to recognize the cloud-based Office 365 services



RMI, CORBA middleware

Expand end-to-end performance analytics across critical enterprise middleware with no agents



Easy start with the enterprise apps

Packaged application wizard enables quick DC RUM setup for SAP, EBS, Siebel, with business-relevant reporting

Reasons for upgrade



Scalability made simple

Scale out with parallel report servers, automatically balancing the analysis load



Automated slowness analytics

Employ real-time analytics to find reasons of transaction slowness, shorten time to dispatch the troubleshooting



Network vs. Server precision

Leverage enhanced client-network-server performance analysis model now available in CAS



Citrix availability analysis

Citrix monitoring got better with the ICA and CGP availability analysis and application traffic reporting



Better reporting and alerting

Improve information flow efficiency with diagrams, rolebased report access and enhanced alerts

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12.3

Automated Fault Domain Isolation NPM-Based Workflows and Analysis Auto-Discovery and Zero-Config Monitoring MS Lync, Oracle EBS EAP Universal Decode Enterprise Scalability with Clustering & HA 12.4

Autodiscovery
Thematic workflows
Added L2 awareness
Universal Decode; Field SDK
Enterprise Apps Up-Levels
Citrix Up-Level (AppFlow, TCAM)
20Gbps+ Scalability
Currency

Jan 2014

Dec 2014

2H 2015



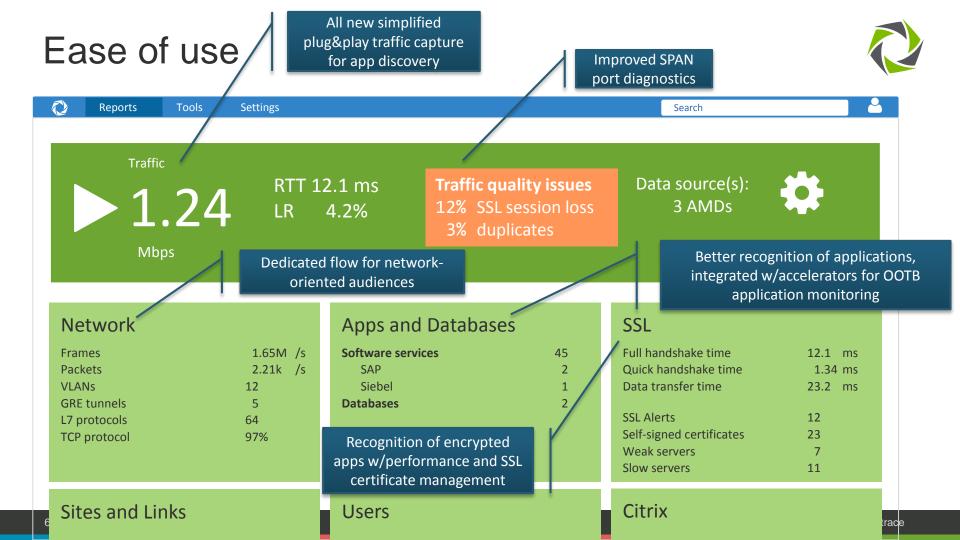
Autodiscoverycentric reporting

Auto Recognition of applications,

Dedicated report workflows to network audiences

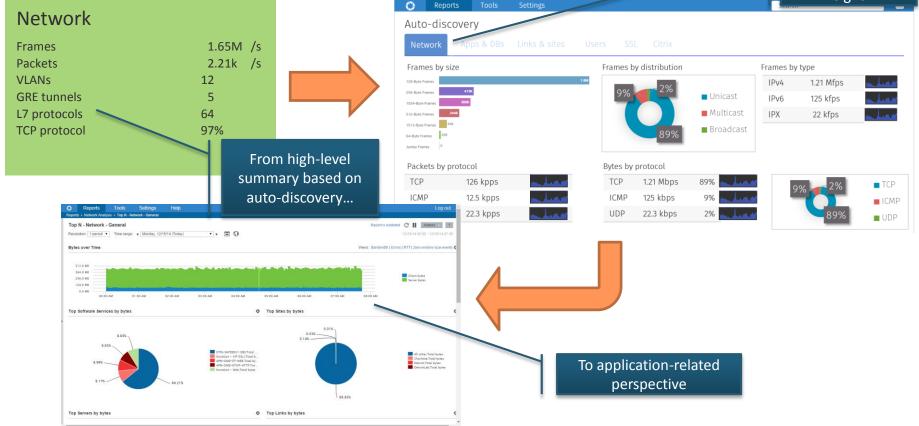
Up-level SPAN port diagnostics





Dedicated auto-discovery flow for network audiences

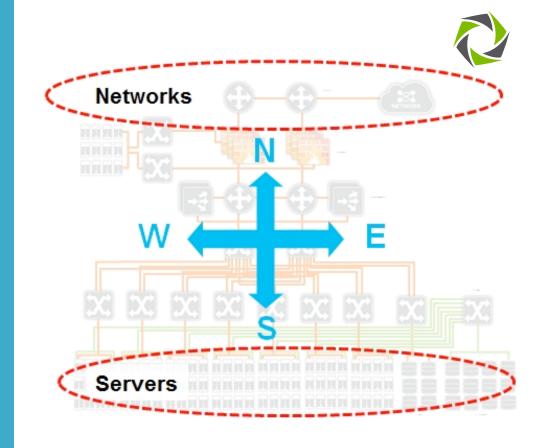
To deeper network-oriented insight...



Network Virtualization

App-aware
Network
Infrastructure

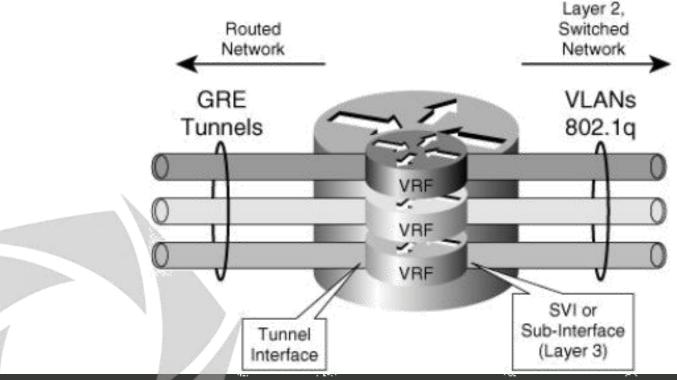
SDN



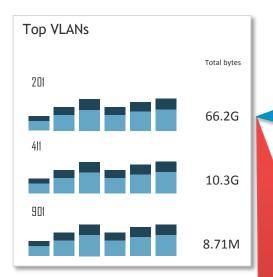
VLANs

Tunnels









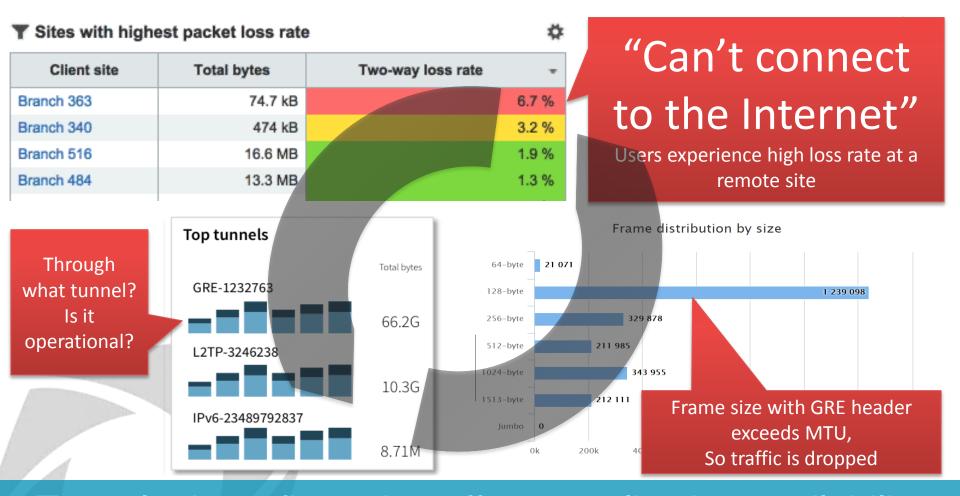


One VLAN exhibiting heavier usage will lead to oversubscription and performance issues in that VLAN

Number of VLANs above 4000 = the environment is getting close to maxing out in terms of VLAN enablement.

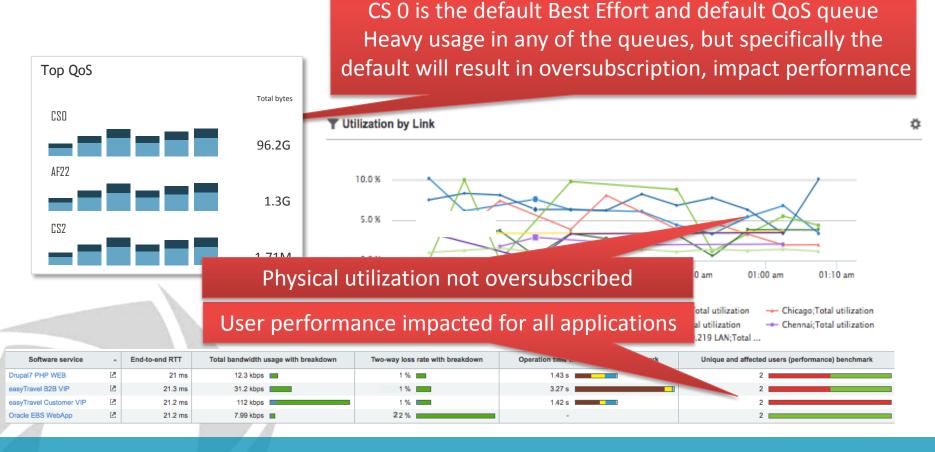
VLAN misconfiguration causes transaction slowdowns





Tunnel misconfiguration affects application availability







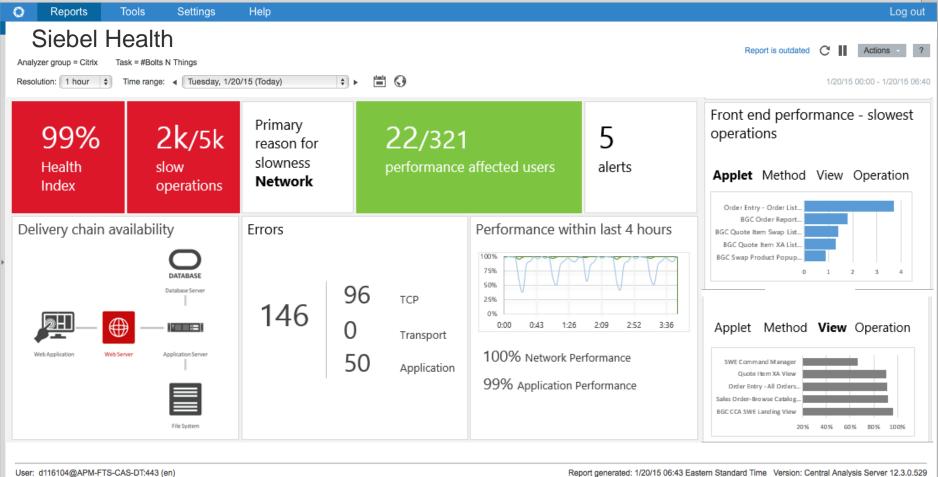
Thematic reporting for:

Identify and fix application specific problems faster

Apps: SAP, Microsoft and Siebel

for databases

for SSL health



apm.demo.compuware.com



HTTP transport decodes unified

For Oracle – Forms and Web

For Exchange – ActiveSync, Exchange Web Services, and everything else

For SOAP – all HTTP decode capabilities instantly available

HTTP transport, app-specific decoding



- Get the deep performance insight into each component of your enterprise application
- For Oracle E-business suite from Oracle Forms, through Web Interface into Middleware SOAP Gateway
- For Exchange from Active Sync, through Outlook Web Applications, Offline Address Book, Exchange Web Services into Outlook Desktop MAPI communication

Software Service	Analyzer	Server	Port	"New Dimension"
HTTP	HTTP	192.168.0.1	8000	EBS / HTTP
HTTP	HTTP	192.168.0.1	8000	EBS / OF
HTTP	HTTP	192.168.0.1	8000	EBS / SOAP
HTTP	HTTP	192.168.0.1	8000	HTTP
HTTP	HTTP	192.168.0.1	8000	OF
HTTP	HTTP	192.168.0.1	8000	SOAP
TCP	TCP	192.168.0.1	8000	TCP

· HTTP traffic recognized by traffic profile

- EBS recognized by URL
- OF traffic recognized by traffic profile
- EBS recognized by URL
- SOAP traffic recognized by traffic profile
- EBS recognized by URL
- HTTP traffic recognized by traffic profile
- URL not recognized
- OF traffic recognized by traffic profile
- URL not recognized
- SOAP traffic recognized by traffic profile
- URL not recognized

All recognized operations All operations not recognized as HTTP reported under TCP Software Service Software Service

The same server and port



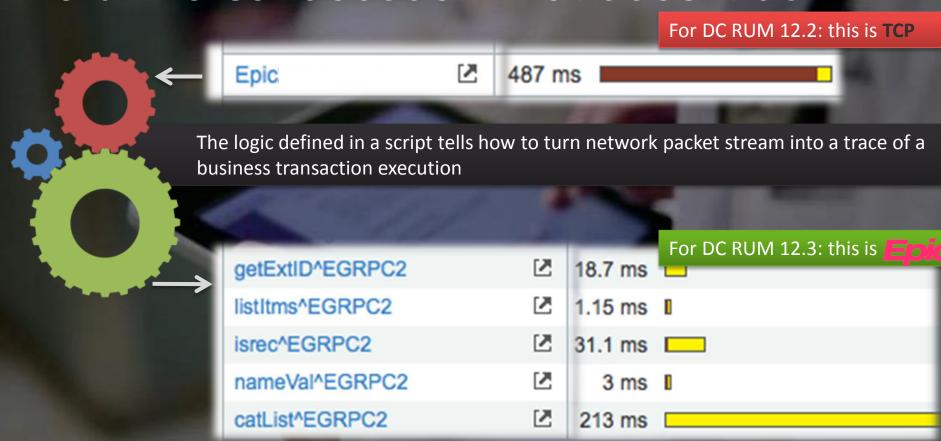
The Universal Decode

SDK

Dedicated Community support



The universal decode: what does it do?



The multi-protocol decode efficiency

Epic decode 12.2:

1200 lines of C++ code

Programmers skills

Compiled into the AMD

Epic decode 12.4:

96 lines of script

System integrator skills

Open

Field-adjustable

Community enabled

Supported with the SDK



Help improving industry-specific application performance: focus on a problem and efficient solution delivery



DC RUM for Citrix

Citrix Thematic Dashboard and Workflow

AppFlow integration for Netscaler environment performance

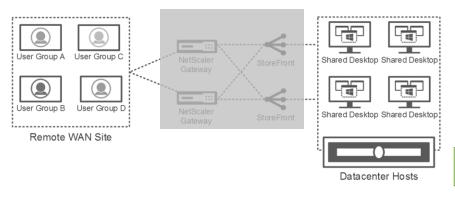


Citrix: sewing the patchwork quilt (ref. Gartner) with TCAM and NetScaler

DC RUM for Citrix 12.3:

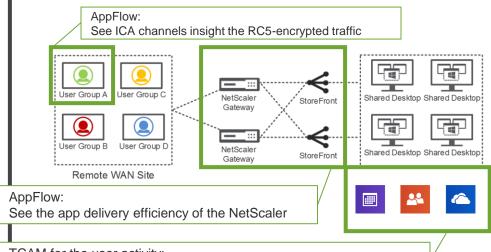
End-to-end performance view

OVE the delivery box



DC RUM for Citrix 12.4:

End-to-end view through the delivery infrastructure



TCAM for the user activity:

See when the app crashes and user can't work, though he can log on

Citrix: sewing the patchwork quilt (ref. Gartner) with TCAM and NetScaler

DC RUM for Citrix 12.3:

RC5 encryption enabled for ICA = NO channel insight

Time range: ◀ Friday, 12/12/14 (Today)

Citrix Channels

Resolution: 1 hour \$

Software Services Published Applications Servers

Service = All other

Module = ICA

Published Application = #SAPGUI

Representation = #SAPGUI

Rep

Channels

Channel Published Application Total b Name #SAPGUI Encrypted operation Find

DC RUM for Citrix 12.4:

AppFlow import from NetScaler = restored ICA channel visibility

Servers

Special Thinwire

CTXCPM (Printer)

Time range: ◀ Friday, 12/12/14 (Today)

Citrix Channels

Service = All other x Module = ICA x Published Application = #SAPGUI x Software ser

Published Applications

#SAPGUL

#SAPGUI

Channels

Resolution: 1 hour

Software Services

•					
Channel					
Published Application	Name				
#SAPGUI	CTXTW (Thinwire)				
#SAPGUI	CTXTWI (Thinwire)				
#SAPGUI	CTXCAM (Audio)				

▼ Citrix Connection Performance

1.51 340

Total byte

6.83 2.12

449



Reports Tools Settings Help

Log out

Citrix performance dashboard





User Group A
User Group C

NetScaler Gateway

User Group B

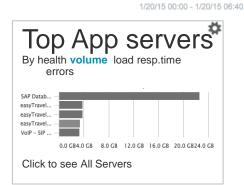
User Group D

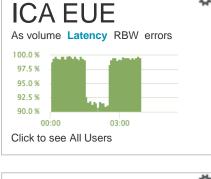
Shared Desktop Shared Desktop

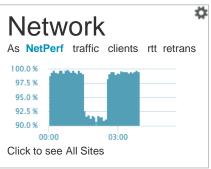
Shared Desktop Shared Desktop

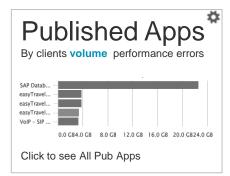
Shared Desktop Shared Desktop

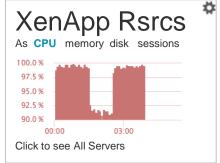
Shared Desktop Shar

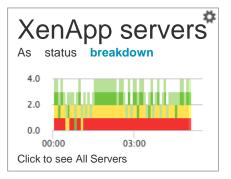












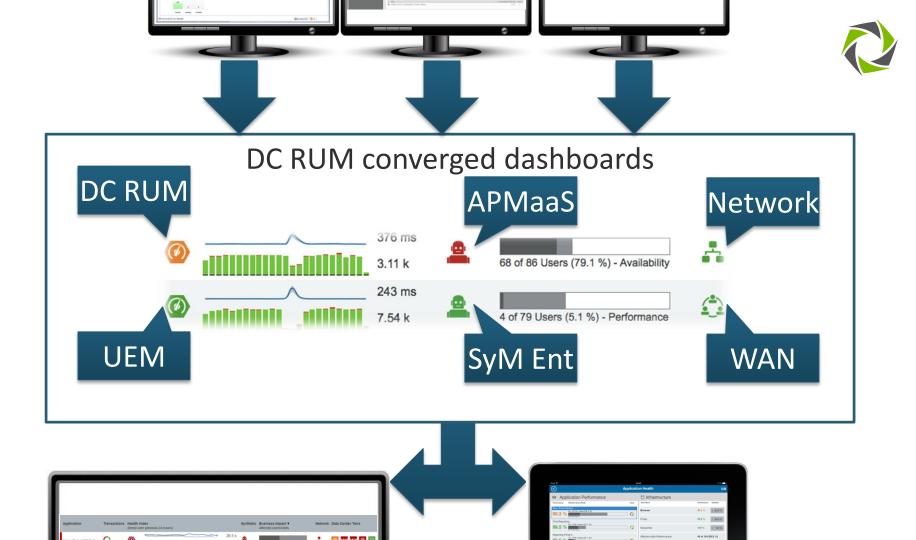


Integrated EUE with the DC RUM

3rd Parties - Splunk / ServiceNow

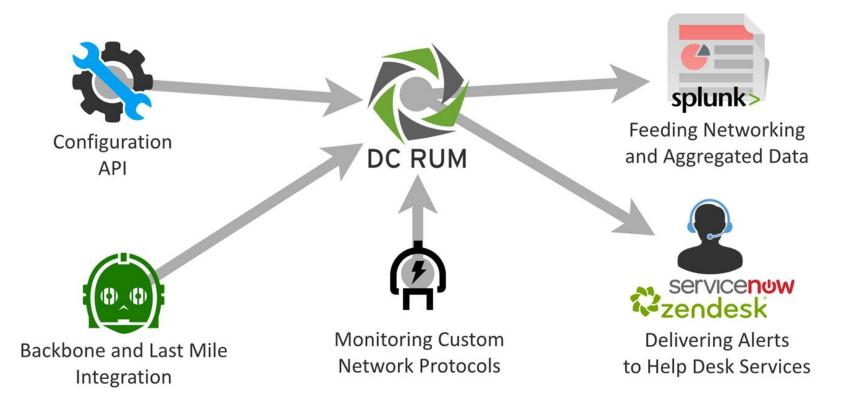
Dynatrace Synthetic Monitoring (Gomez) Last Mile





Integration Friendly







Integrated EUE with the DC RUM

SyM Enterprise
Gomez Last Mile





Apr '15

Single Web UI w/ Ease to Use
Browser Currency (CH)
Modern Rest API platform
Splunk / Integration
Mobile App Push Notif. (June)
Self Service Doc on the Community
RCA & 3rd Party Analy. Advances

Analytics Advancements – Root Cause & 3rd Party







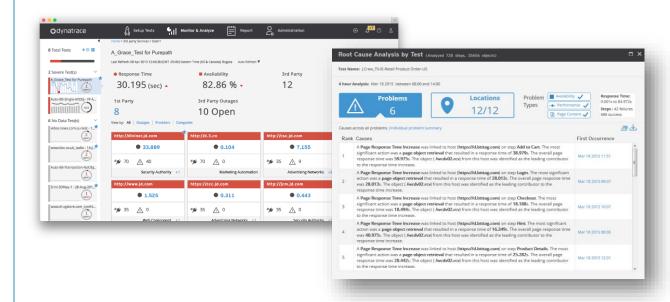
Real-time and Proactive Analytics



User-centric Design







Alert Push Notifications



.₁ 96% 🗗 2:20 PM

Top 10 🤎 C

 \Box

Response Time (sec)

13.350

8.776

7.951

7.424

6.813

6.067





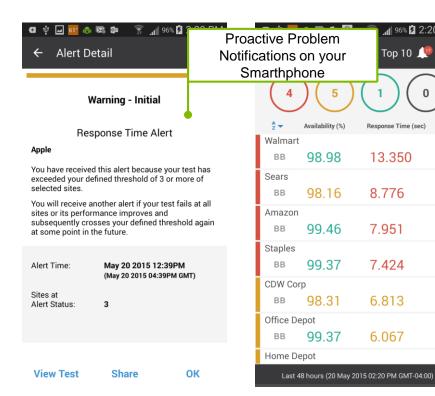
Real-time and **Proactive Analytics**



User-centric Design







Single Management Console All in One with built-in Quick Start Guides







Real-time and Proactive Analytics



User-centric Design



Global Performance Network Advancements



Omni-channel Customer Experience



Modern REST API platform for Enterprise Integration







Real-time and Proactive Analytics



User-centric Design





- Single API that is simpler, faster, and more customizable
- Powered by modern, robust REST API platform
- Supports easy integration with 3rd-party dashboards or applications





Apr '15

Oct '16

Apr '16

Single Web UI w/ Ease to Use
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Touch First UI for Biz and IT v1
UEM & Synthetic Integration (v6.3)
Web-based Recorder EAP
Browser Currency (IE11, CH4x)
REST API v2 - Alerting

Touch First UI for Biz and IT v2
Web-based Recorder GA
Browser Currency (FF)
Auto-Retry on Error
'Hyper' Availability Testing
Virtual Node in a Box
REST API v3 - Provisioning

Touch First UI for Biz & IT





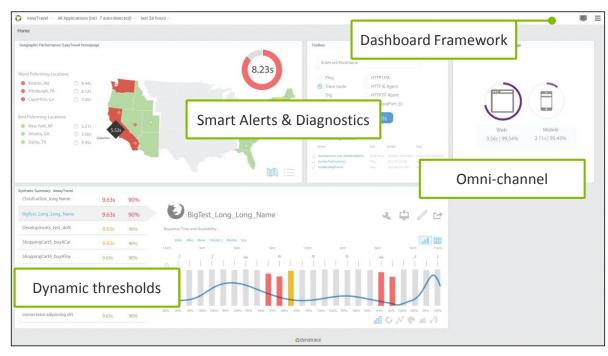




User-centric Design







October '15

Global Network Advances





End-to-end Diagnostics



Real-time and Proactive Analytics



User-centric Design



Global Performance Network Advancements



Customer Experience

'Hyper' – high throughput availability testing





April '16

Deploy everywhere 'Virtual node in a box'

Continuous delivery of mobile and web browser currency







April '15

October '15

April '16

UEM & Synthetic All-in-One







Real-time and Proactive Analytics



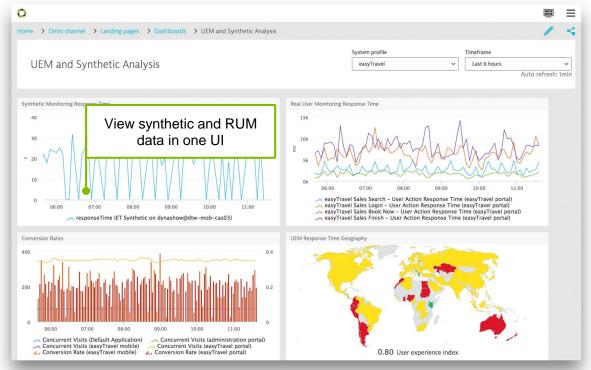
Jser-centric Design



Global Performance Network Advancements



Omni-channel
Customer Experience



October '15



Omni-channel Customer Experience



End-to-end Diagnostics



Real-time and Proactive Analytics

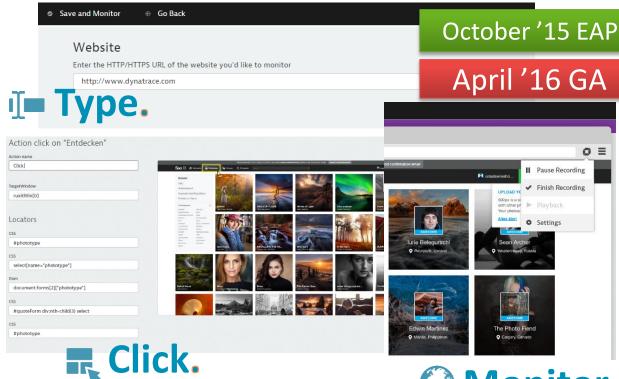




User-centric Design

Easy to Use Web Based Script Creation









Apr '15

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