SMART FINDINGS

Visibility into Complex, Hybrid Cloud Infrastructures

**Business results depend on a new approach
to service assurance through Smart Data**

A PRESENTATION OF FINDINGS BY

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and Digital Disciplines* and Cloud Expert

NETSCOUT®

The Takeaway

This e-book summarizes the key findings from Joe Weinman's white paper, which breaks-down the blind spots to visibility and underscores the business value of a successful Cloud strategy.

The architectures enabling today's increasingly essential digital business strategies and the digital transformation to enable them are becoming exponentially more complex. While micro-services and application ecosystem approaches offer many advantages, the multiplicity of interacting components across disparate environments and layers greatly magnifies the service assurance challenge.

A sound service assurance strategy needs to correlate these technology elements with business services and processes, workflows, and their interactions and dependencies.

WHITE PAPER

New Digital Architectures Require an Innovative Approach to Service Assurance

DOWNLOAD ▶

Smart Findings

1

As digital architectures evolve, complexity increases.

EXPLORE ▶

2

More infrastructure options mean fractured visibility.

EXPLORE ▶

3

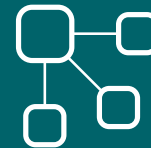You can extract business value from a successful Cloud migration.

EXPLORE ▶

4

With greater resource dispersion comes an emerging fog.

EXPLORE ▶

5

Micro-services bring finer application granularity.

EXPLORE ▶

Smart Finding 1

As digital architectures evolve, complexity increases.

Digital architectures are becoming exponentially more complex at an accelerating rate, due to more infrastructure options, greater resource dispersion, and finer applications granularity.

To keep pace and maintain relevance, service assurance needs to span technologies, industries, and business processes; and shift from silos to a holistic, end-to-end view.

READ THE MIGRATION GUIDE ▶

1 Digital Architectures

2 Fractured Visibility

3 Business Value

4 Emerging Fog

5 Micro-Services

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Smart Finding 2

More infrastructure options mean fractured visibility.

Most established enterprises use a heterogeneous mix of infrastructure approaches, such as legacy and custom systems; containers; private Clouds in enterprise data centers or co-location facilities; and a mix of virtual private Clouds, public Clouds, hybrid Clouds and multi-Clouds.

New ecosystem roles are emerging — such as federated Clouds, Cloud service brokers, Cloud exchanges, and the InterCloud — all networked to one another, to an emerging fog and edge, and to mobile and fixed-user devices. Weinman explores these dynamics in this NETSCOUT webinar.

WATCH NOW ▶

1 Digital Architectures

2 **Fractured Visibility**

3 Business Value

4 Emerging Fog

5 Micro-Services

Smart Finding 3

You can extract business value from a successful Cloud migration.

Weinman offers several case studies across a range of industries that demonstrate successful Cloud strategies that reinforce positive customer experiences and business value. One case study highlights an international pipeline and power company that achieved measurable results by solving service assurance and performance problems.

The company proactively reduced overall MTTR and eliminated vendor finger-pointing with end-to-end service visibility and troubleshooting. With improved service assurance, they reduced the risk of compliance issues and potential crippling penalties.

READ THE CASE STUDY ▶

1 Digital Architectures

2 Fractured Visibility
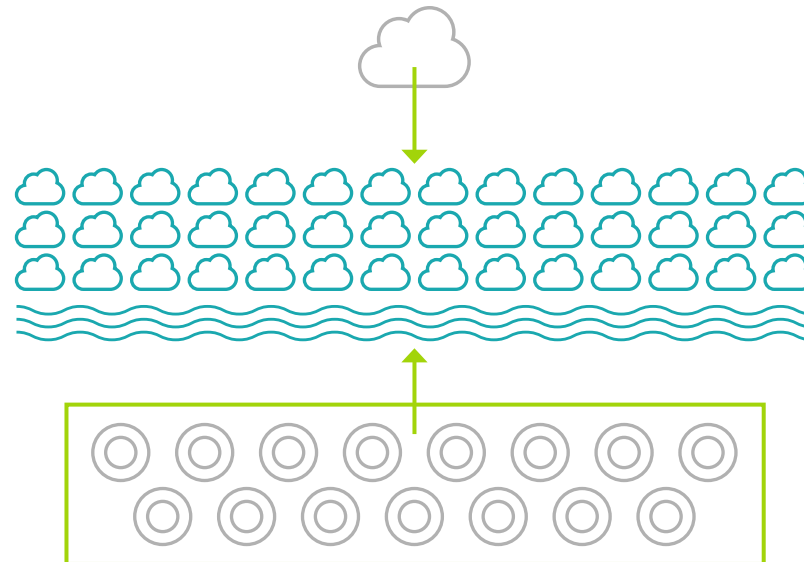
3 **Business Value**

4 Emerging Fog

5 Micro-Services

Smart Finding 4

With greater resource dispersion comes an emerging fog.

As layers between the Cloud and connected devices multiply, functions such as control loops, data compression, and distributed query processing become more difficult for companies to manage. Heterogeneity and complexity crossing into hybrid Cloud and virtualized infrastructures causes pain in maintaining visibility for otherwise thriving companies.

1 Digital Architectures

2 Fractured Visibility

3 Business Value

4 **Emerging Fog**

5 Micro-Services

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Micro-services bring finer application granularity.

Monolithic applications are being refactored into interdependent components such as services, micro-services, and on-demand "serverless" Cloud functions, interconnecting to ecosystems, and executing on distributed, complex environments spanning containers and physical and virtual machines.

These may be implemented in enterprise, partner, or service provider data centers or as Cloud functions, and may be distributed across numerous physical locations and varied elements ranging from the Cloud to the edge and devices.

MORE SMART FINDINGS: WHAT DO CLOUD ARCHITECTS SAY? ▶

1 Digital Architectures

2 Fractured Visibility

3 Business Value

4 Emerging Fog

5 Micro-Services

An innovative approach to service assurance bridges the gap between the business promise and the technical challenges of hybrid solutions.

Summary

The evolution of service assurance through Smart Data.

A new approach to service assurance through Smart Data ensures that relevant wire data is collected, aggregated, and analyzed in real-time to generate Smart Data that provides critical insight into the performance, availability, and consumption of services, all while ensuring the utmost level of security.

By managing and assuring a broad variety of components, this innovative approach enables greater agility to support migration, and optimization initiatives to accelerate time to value in responding to changing customer demands, emerging market opportunities, or competitive threats.

WEBINAR

Visibility into Complex, Hybrid Cloud Infrastructure

WATCH NOW ▶

What's your strategy?

With Cloud a lynchpin of many companies' DX strategies, optimizing its benefits is a business imperative. Successful Cloud strategies are dependent upon a reliable, high-performance platform and a corporate strategy that supports Cloud adoption, opening the door to increased performance, lowered costs, and flexibility.

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