

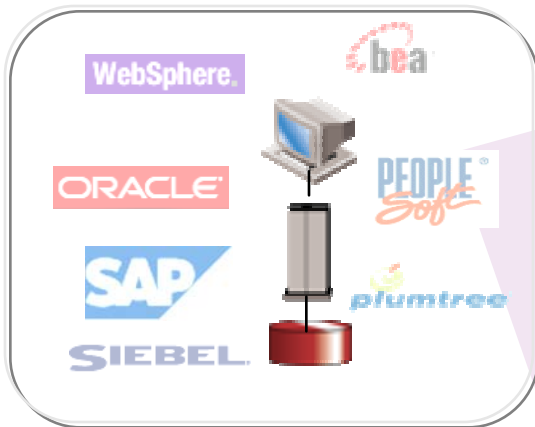


Application Performance on the Branch Office WAN

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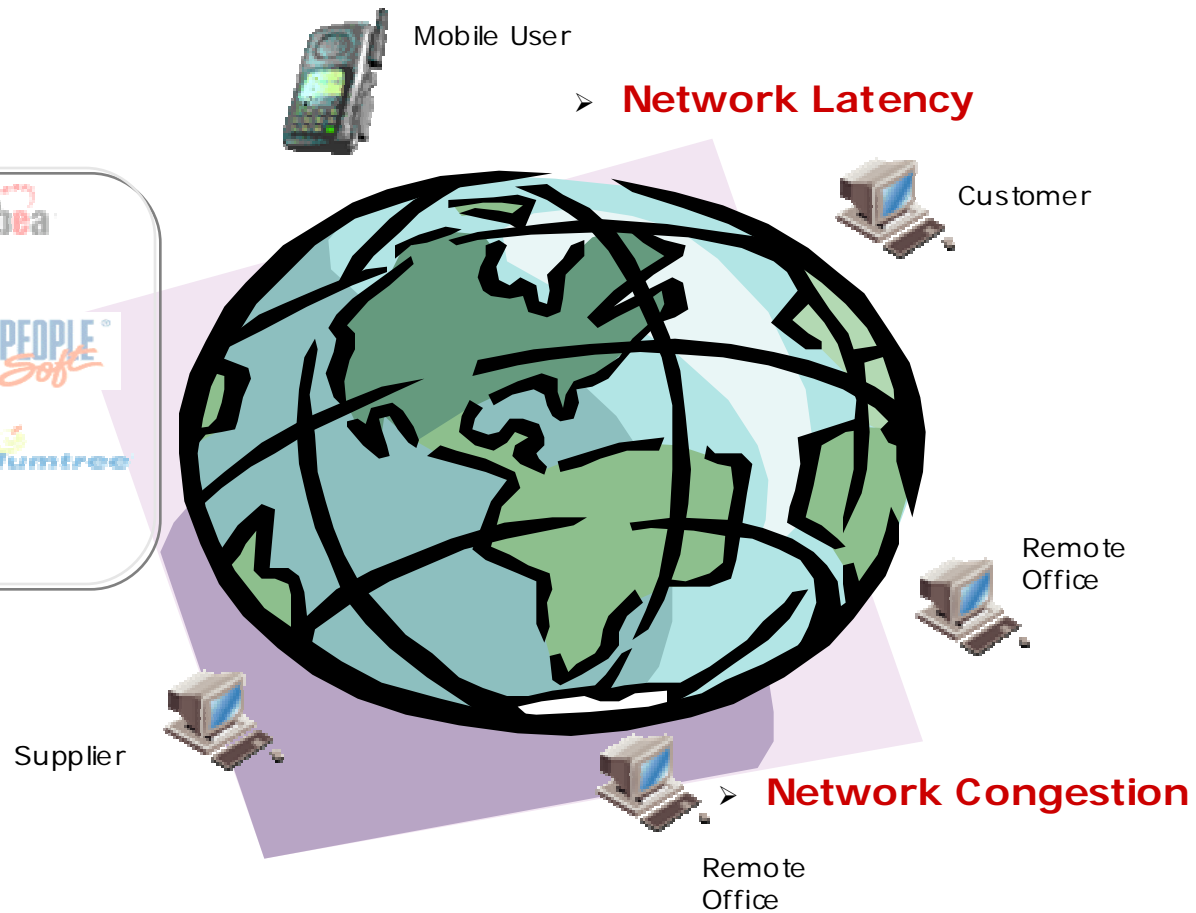
Application Performance in the Enterprise

➤ **Backend Latency**



➤ **Security Overhead**

➤ **Network Latency**



➤ **Network Congestion**

Solution Options

- » Ignore user complaints
- » Upgrade network
- » Outsource it to professional services shop
- » WAN Compression/Traffic Shaping solutions
- » Server-side optimization solutions

Option 1

» Ignore user complaints

- Most of my users sit at HQ
- My synthetic monitors report good performance
- Works until somebody finds out that business automation is costing more than it saves

Option 2

» Upgrade bandwidth

- Cost = #branch offices X upgrade cost/office
- Can you upgrade all or most?
- Does not address latency issues
- Users quickly use up additional bandwidth anyway.

Option 3

- » Outsource it to a professional services shop
 - Costs a lot to study the problem
 - Then costs more to rewrite application
 - And then some to upgrade network
 - Improvements may not be much, but you have addressed the problem.

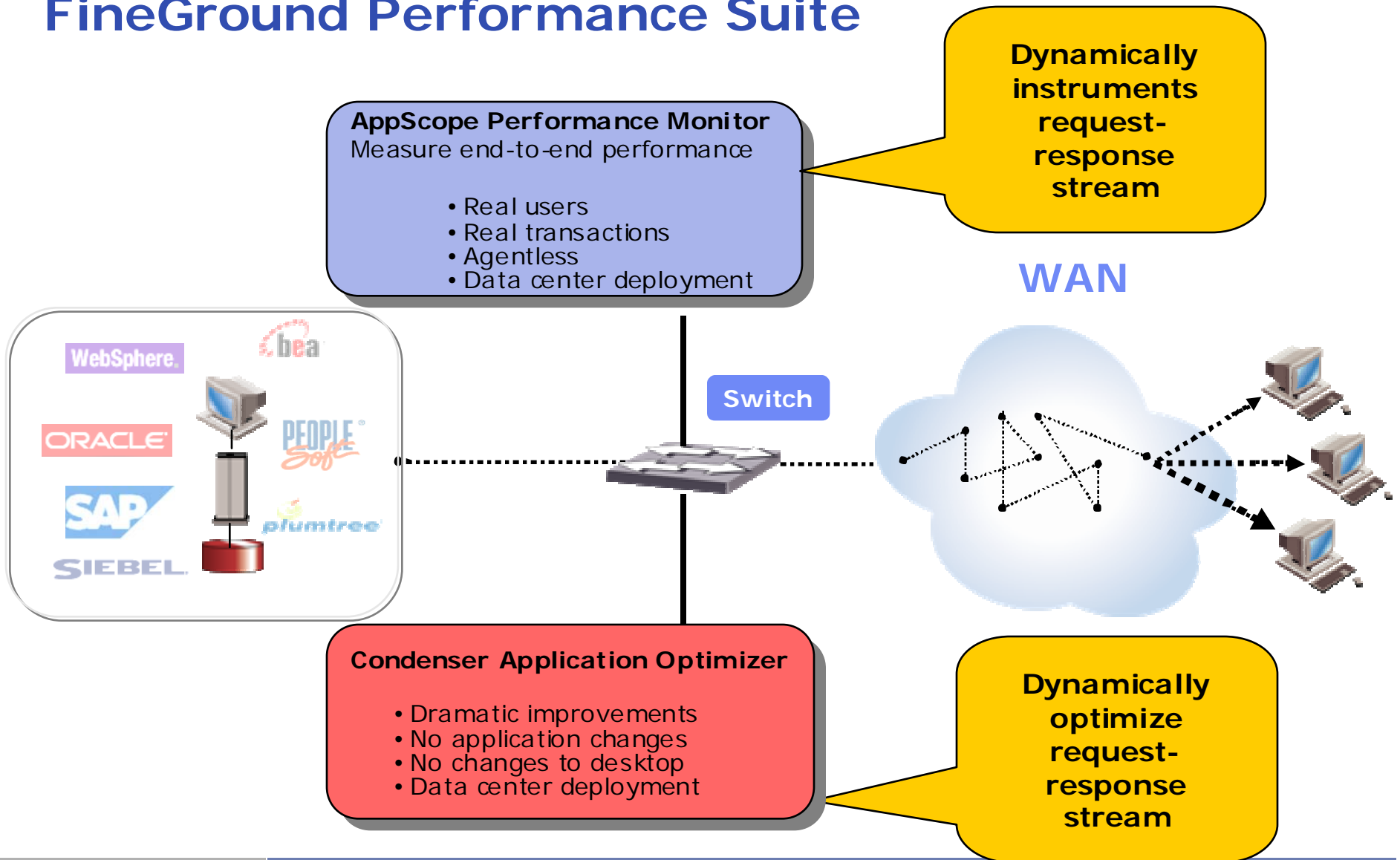
Option 4

- » WAN Compression + Traffic Shaping
 - Another box at each branch to manage
 - Does not help SSL applications
 - Helps legacy client/server applications
 - Does not address latency problems

Option 5

- » Server-side optimization
 - Centralized deployment -> low TCO
 - Works for SSL applications
 - Rapid deployment
 - Can address latency problems

FineGround Performance Suite



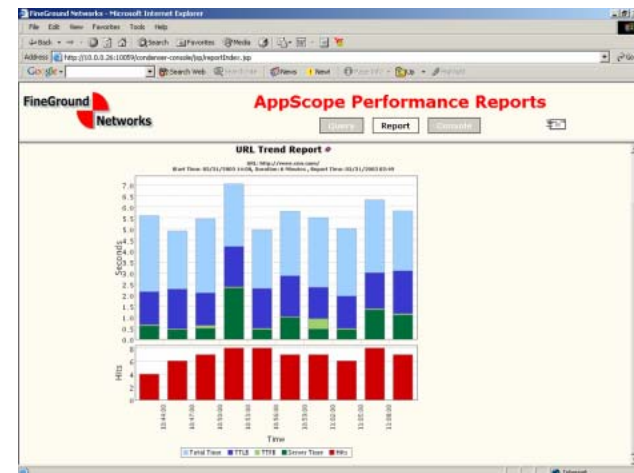
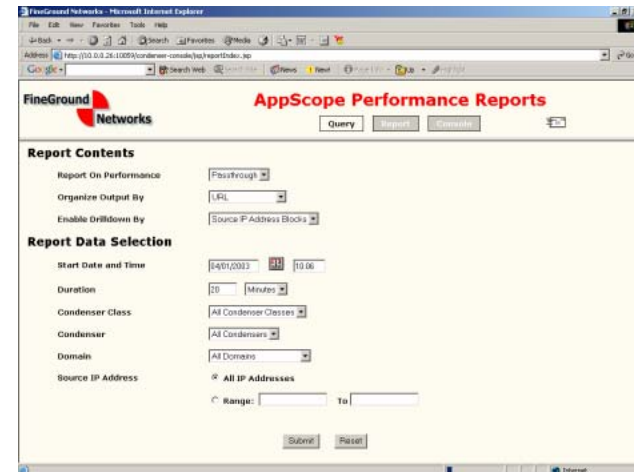
Condenser Application Optimizer

- » Broadest set of technologies
 - Bandwidth optimizations
 - Network Latency optimizations
 - Server capacity and latency optimizations
 - Security optimizations

- » No changes to application or desktop
- » Rapid deployment in the data center
- » **Unfair advantage:**
 - “Performance engineering in a box”

AppScope Performance Monitor

- » Agentless real-user monitoring
 - Live users and transactions
 - Report by IP, URL, or location
 - Open architecture integrates with NSM platforms (Tivoli, OpenView...)
- » No changes to application or desktop
- » Rapid deployment in the data center



ROI Profile: AIG



Industry Vertical
Insurance

Profile

\$75B commercial and personal insurer; 80,000 employees worldwide.

Challenge

Productivity of claims agents impacted by poor performance of claims processing application.

ROI

Avoid costly application rewrite.

ROI Profile: Alcoa



Industry Vertical

Mining and Metals.

Profile

\$22B world leader in home appliances
120,000 employees in 41 countries

Challenge

Poor portal performance hindered business
process automation.

ROI

Avoid additional data centers in Europe and
Latin America.



Summary

- » Application performance at the branch office is a growing problem
- » Doing nothing can limit the business value of IT
- » Upgrading bandwidth can be expensive and not solve the problem
- » Consultants can be expensive and may solve the problem
- » Two-box solutions are best suited for legacy applications
- » Server side solutions are the way to go, but not all are equal: look for solutions that address latency