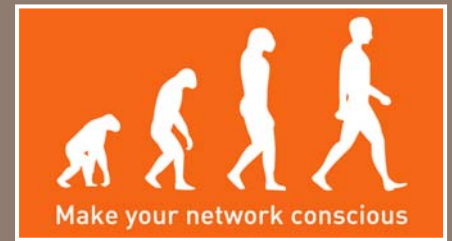


ENHANCING APPLICATION PERFORMANCE without more bandwidth?

Christophe PERETOU

AGENDA

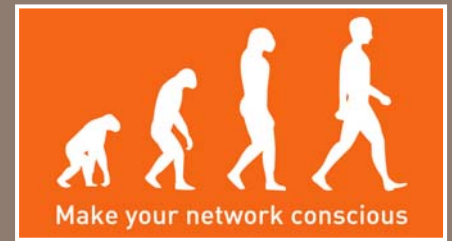


Introducing Streamcore

Service Providers & Enterprises challenges

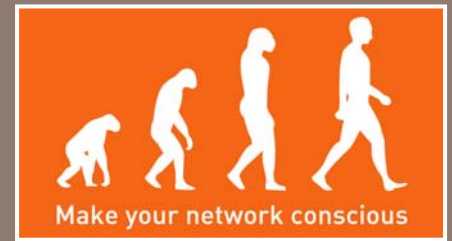
What can we do?

STREAMCORE AT A GLANCE



- ▶ **Headquarters: Emeryville, California Development: Paris, France**
- ▶ **More than 15,000+ sites, 10 Million Users Worldwide**
- ▶ **With Streamcore, Management can expect to:**
 - Maximize the efficiency of resources and simplify operational processes
 - Receive Timely ROI of Network and Application expenditures
- ▶ **IT Directors can:**
 - Guarantee predictable and consistent performance of critical business applications
 - Ensure efficient use of network resources to optimize WAN capacity
- ▶ **Network Managers will:**
 - Have control and visibility over the network and applications
 - Map technology and business needs with automation and ease of management.



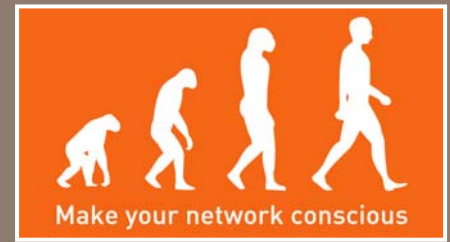


Introducing Streamcore

Service Providers & Enterprises challenges

What can we do?

WAN APPLICATION DELIVERY: CHALLENGES



IT Challenges

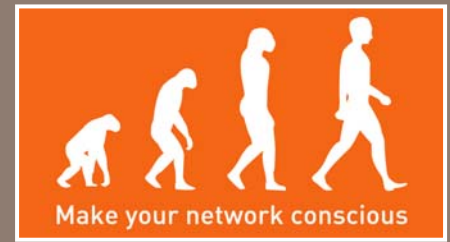
**MPLS, VPLS, Wimax,
SLA**
Voice over IP/ Unified Com
**Mobile applications,
Nomads**
E-collaboration
SOA
SaaS
Virtualization
Servers consolidation
Security

**Is the WAN able
to meet all these
challenges ?**

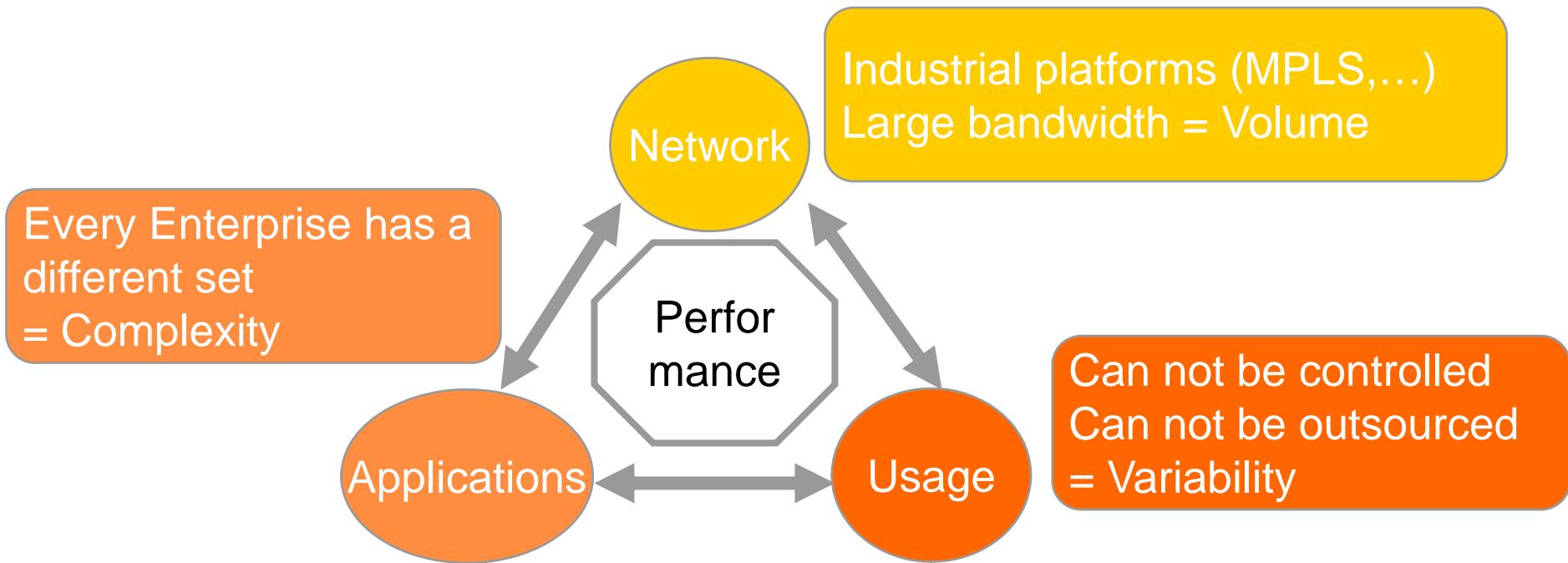
Business challenges

Merging & Acquisition
Focus on core business
**Permanent costs
reduction**
**Accelerating decision-
making**
**Increasing user
productivity**

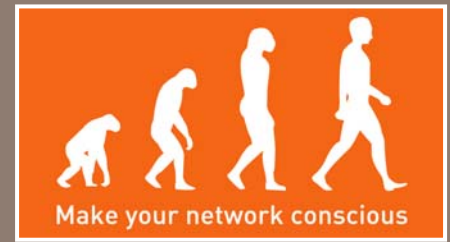
APPLICATION DELIVERY PERFORMANCE



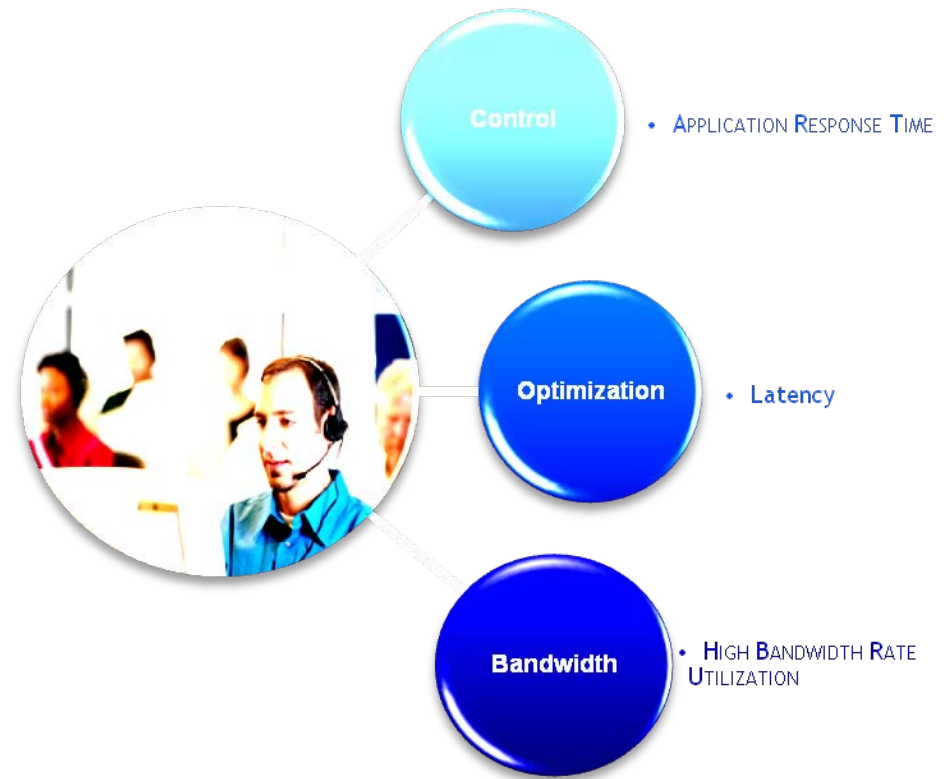
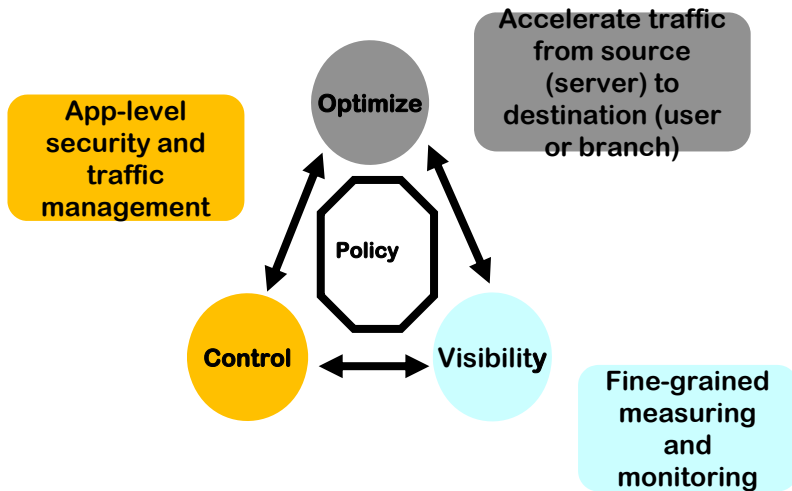
Application delivery performance results from the combination of 3 different spaces



APPLICATION DELIVERY FOOTPRINT

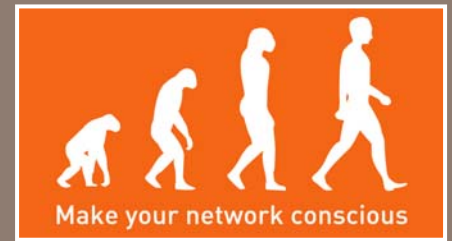


“Application delivery is a network architecture that improves application performance and access”



- ▶ End-to-end platform for managing applications
- ▶ Centralizes policy; distributes control, optimization, and visibility as necessary



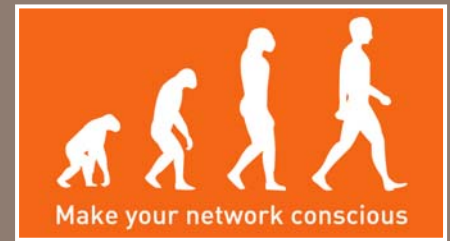


Introducing Streamcore

Service Providers & Enterprises challenges

What can we do?

APPLICATION DELIVERY PLATFORM



CORE FEATURES

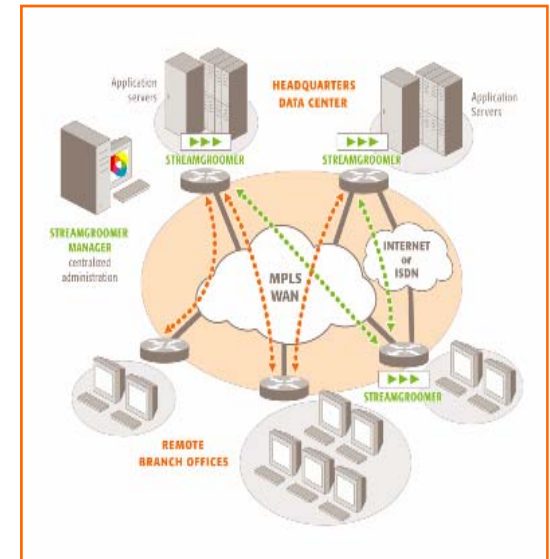
- Centralized Management
- Multi-Tenant Function
- Alarms Generation
- Adaptive Dimensioning
- Customized Reporting

VISIBILITY

- In Real Time
- Historical
- Classified
 - # Business Units
 - # Application
 - # Session
 - # Site
- Troubleshooting

CONTROL

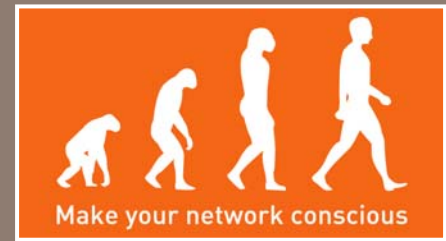
- ABBA Engine
- Advanced QoS
- Shaping
- Grooming
- Encryption



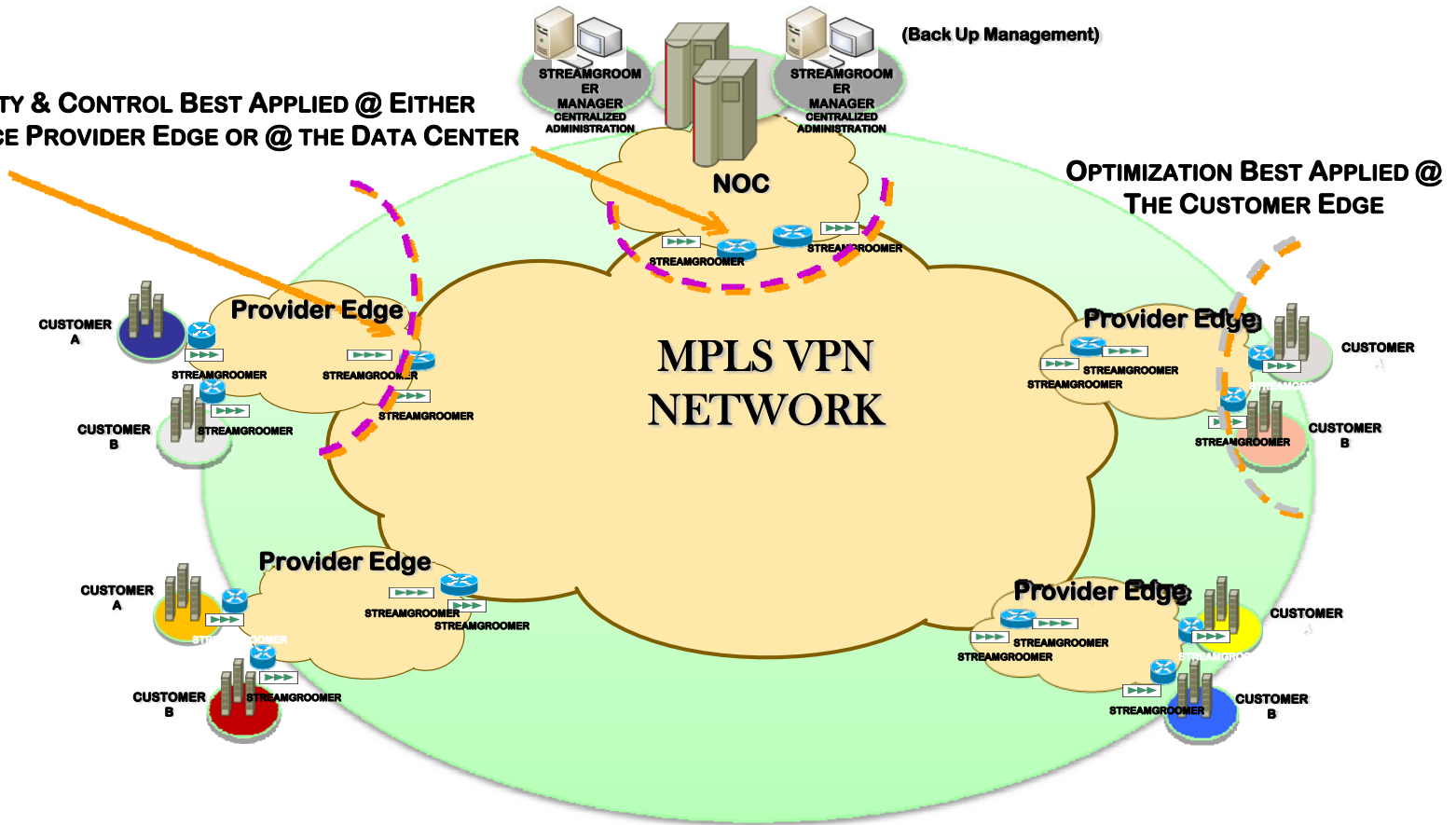
DEPLOYMENT & ARCHITECTURE

- Intuitive Configuration
- Easy insertion in complex networks
- Redundancy Configuration
- Load Balancing WAN

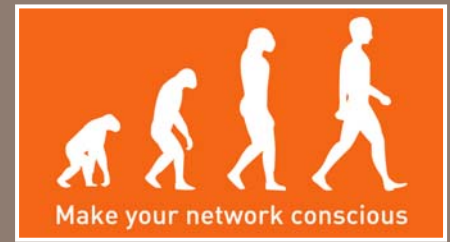
VISIBILITY CONTROL AND OPTIMIZATION DEMARCATON



VISIBILITY & CONTROL BEST APPLIED @ EITHER THE SERVICE PROVIDER EDGE OR @ THE DATA CENTER



APPLICATION DELIVERY SERVICES: VISIBILITY SERVICES



APPLICATION REPORTING & WEB PORTALS

- Network, Application, Usage



APPLICATION PLANNING & TREND ANALYSIS:

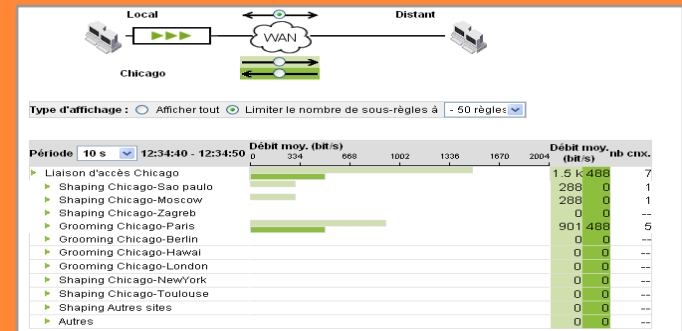
- Long-term application and
network behavior



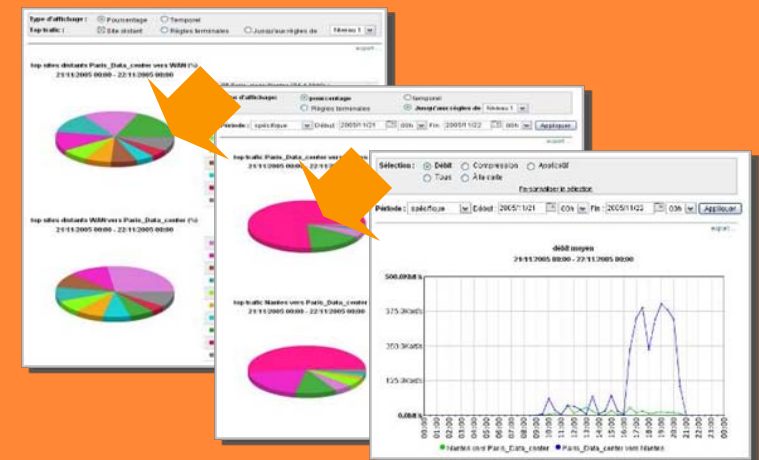
APPLICATION PERFORMANCE MONITORING:

- Real-time monitoring
- Alarms
- Troubleshooting

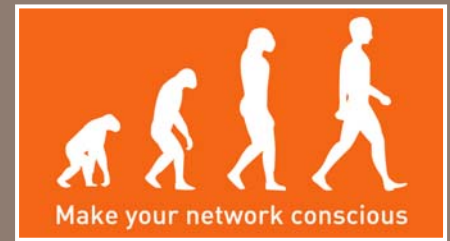
Real time statistics



Consolidated view



PERFORMANCE CONTROL: DELIVERING APPROPRIATE SERVICE



MANAGING INSTANT USER BEHAVIORS

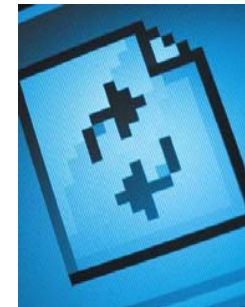
Interaction

- Critical response time
- Must be **accelerated**



Transaction

- Changeable patterns
- Must be **managed**



Transfer

- Minor constraints
- Must be **controlled**

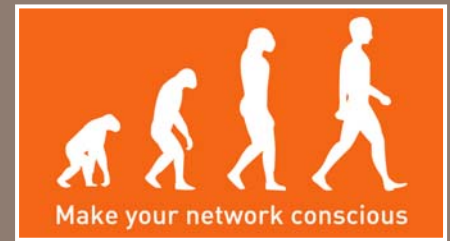


Voice/Video

- High sensibility to jitter and delay
- Must be **protected**

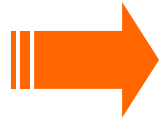


APPLICATION DELIVERY SERVICES: CONTROL SERVICES



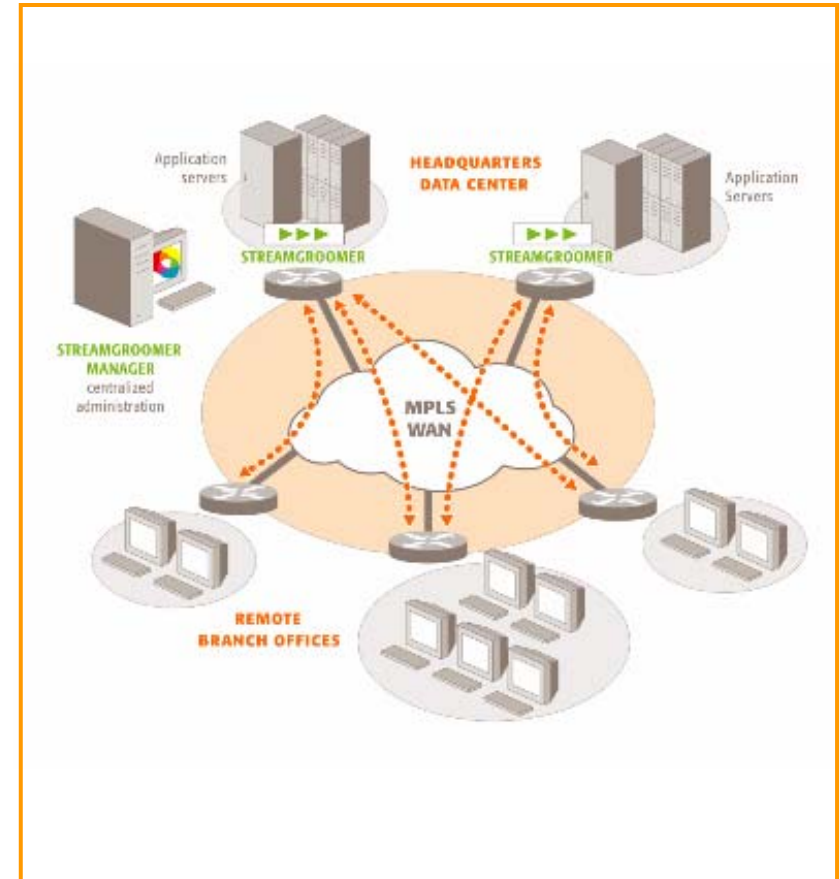
PERFORMANCE CONTROL FROM POP OR DATACENTER:

- Application behavior-based acceleration (ABBA)
- Application prioritization and QoS

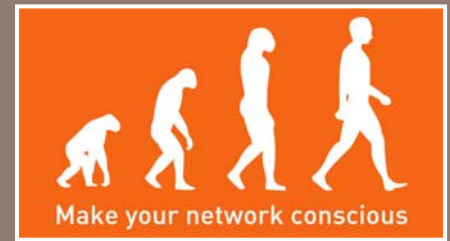


PERFORMANCE CONTROL FROM EDGE-TO-EDGE:

- Any-to-any traffic management
- Compression
- Load-balancing
- Encryption



THE VALUE TO BUSINESS CUSTOMERS: “MAKE YOUR NETWORK CONSCIOUS”



A CONSCIOUS MPLS VPN MUST BE ABLE TO PROVIDE TO ENTERPRISE APPLICATIONS:

VISIBILITY vs Complexity

In real-time

- *Which applications are delivered to which sites and which users?*
- *What is the source of a slowdown?*
- *What is the quality of experience for users?*
- ...

And warn network managers when something is going wrong!

PLANNING vs Volume

Over time

- *How business units use Data Centers resources?*
- *Does the service provider network have the capacity to match the enterprise applications requirements?*
- ...

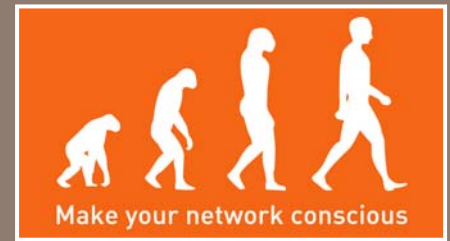
And bring this knowledge to the customer?

CONTROL vs Variability

ALL The Time

- *To automatically accelerate all interactive traffic*
- *To give fair access to an application for all end users*
- *To protect business critical traffic on a per-user basis*
- *To manage end-to-end application delivery with better throughput and security*

FUTURE PROOF YOUR NETWORK WITH STREAMSENSE



Simplify and automate management of Enterprise applications

Over the service provider networks VPN or Internet

Secure the performance of the enterprise business applications

Real-time visibility for SLA response and resolution

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