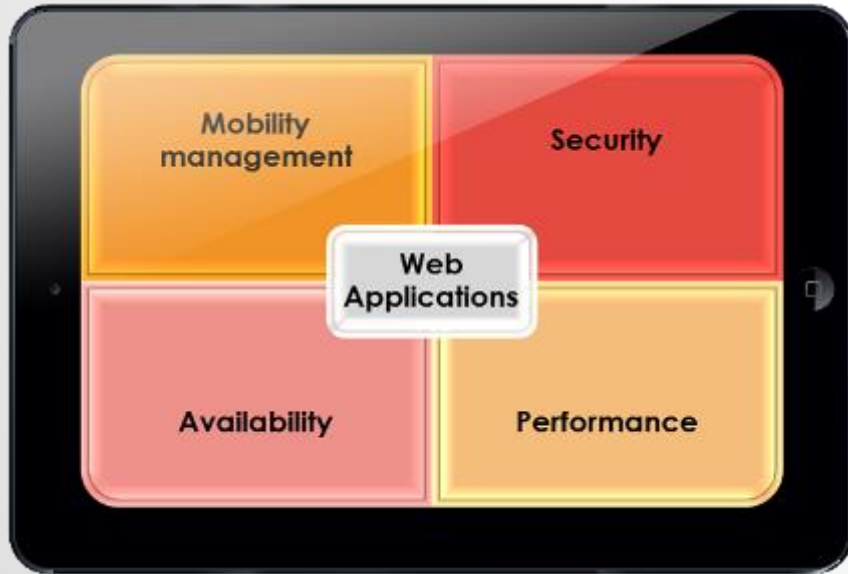# BOOSTEDGE Enterprise Edition

ACTIVNETWORKS
OUR VALUE PROPOSITION

Our Mission

HELP ENTERPRISES REALIZE THE POTENTIAL OF THE MOBILE INTERNET WORLD

Mobility management

Security

Web Applications

Availability

Performance

Pure Software,
Clientless
&
Plug'n Boost

vmware

or

BOOSTEDGE

or

BOOSTEDGE

COMPRESSION AS A SERVICE

Immediate ROI
Web Traffic reduced by up to 75%
Response time up to 10 times faster
Reduce your mobile data bill

Ultimate Web Accelerators
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BOOSTEDGE IS AN ADC

WOC	ADC
WAN Optimization Controller	*Application Delivery Controller*

- **1 equipement at each end**

- **Multi-flow / multi-protocols**

- **Works on layer 4 (Transport IP)**

- **1 equipement server side, Clientless**

- **HTTP/HTTPS flow**

- **Works on layer 7 (IP Application)**

- **Acceleration, compression,**

Site A   Site B

WOC   WAN   WOC

BOOSTEDGE
BY ACTIVNETWORKS
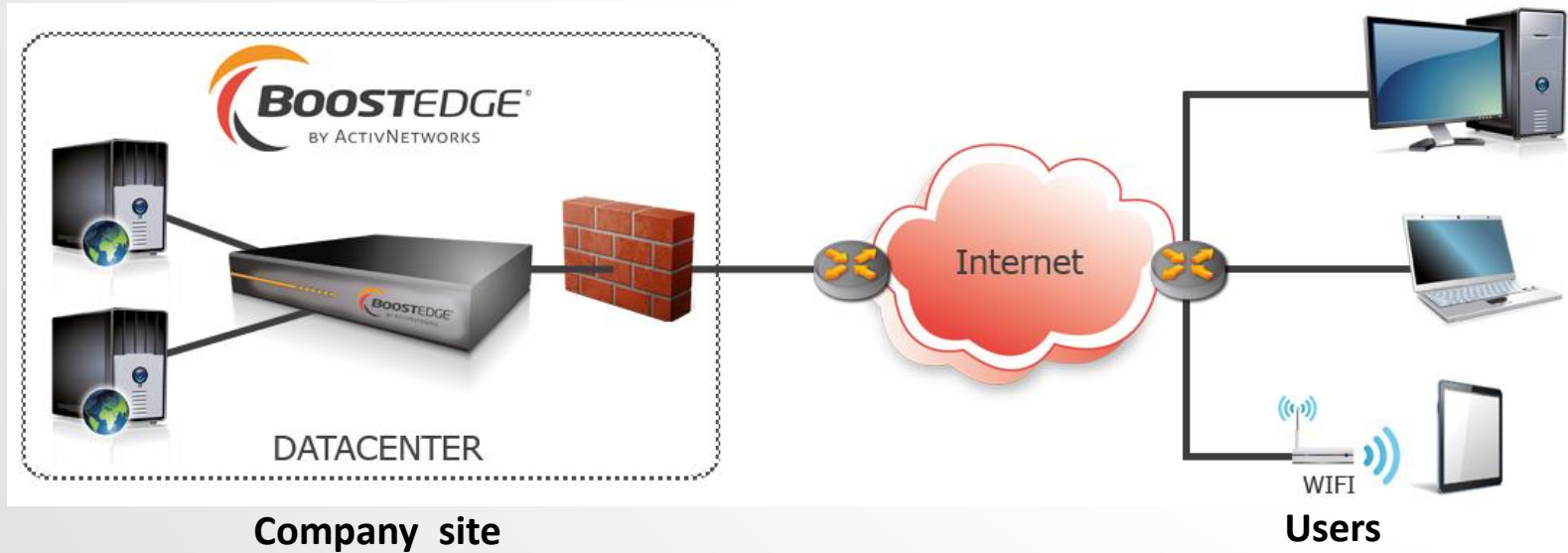
Internet

DATACENTER

WIFI
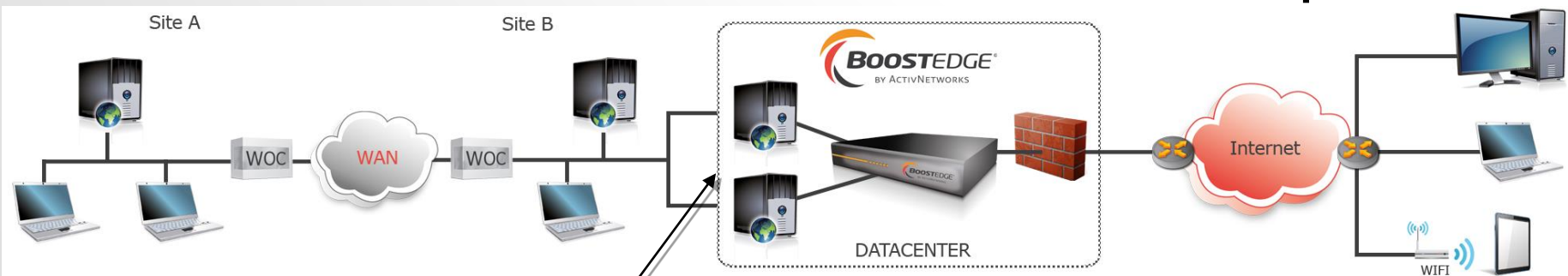
WOC & ADC are complementary solutions

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BOOSTEDGE: ASYMETRIC ACCELERATION APPLIANCE

50% à 75% less traffic

Web responses Time Web **3 to 10x** faster

Company site

Users

WIFI

Clientless acceleration:

Works on any network, no need to add a software on the browsing device

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BOOSTEDGE: COMPRESSION OF ALL HTTP FLOWS

- **BoostEdge compresses data sent by the server**
  - **HTML, XML, CSS, JS, etc.**
  - **Decompression by the browser**

- **Even images & PDF are compressed**
  - **PDF, GIF, JPG, PNG, etc. are said to be incompressible**
  - **BoostEdge uses powerful algorithms based on**

  signal processing technologies
  - **BoostEdge améliore les performances de tous les sites web, même les plus graphiques**

- **Streaming video optimization**
  - **Compression x2 to x3 with no quality loss**
  - **Optimisation of buffers– « Stream Pacing » (« Just in Time Delivery »)**

Typical http traffic reduction	
HTML	5.3
CSS	7.5
JavaScript	4.6
JPEG	6.2
GIF	1.1
PNG	1.3
PDF	8
XML	9
H.263*	2
MPEG-4*	3
H.264*	2.5

Average results obtained in a lab while browsing on a panel of international websites using BoostEdge as a proxy.
(*) video optimization available in Q3 2011

APPLICATIONS
BUSINESS CONTINUITY AND PRODUCTIVITY

DEDICATED BLADES FOR COGNOS, SHAREPOINT & EPM

CUSTOM-BUILT POLICIES AND PROFILES FOR YOUR APPLICATIONS

HIGH AVAILABILITY – STRATEGIC APPLICATIONS ACCESSIBLE FROM ANYWHERE

PROTECT CORPORATE DATA

USER'S PRODUCTIVITY AND COMFORT

DEDICATED WEB APPLICATION FIREWALL

INNOVATIVE, FLEXIBLE AND EASY TO DEPLOY

BOOSTEDGE® *for SharePoint* **BOOST**EDGE® *for Cognos* **BOOST**EDGE® *for EPM*

APPLICATION	TRAFFIC REDUCTION*	RESPONSE TIME IMPROVEMENT*
Microsoft **SharePoint**	5x	4x
Lotus Notes **Domino**	3x	3x
Cognos **remote connection**	8x	4x
Websphere	5x	4x
Hyperion	7x	5x
Siebel	10x	8x
Oracle **e-Business**	5x	4x
JD Edwards	5x	3x
SAP	3x	2x
Average for other applications	3x	2x

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SECURITY
A BUSINESS IMPERATIVE

SSL encryption & SSL offloading

HTTPS at the speed of HTTP

Secure remote access

Protect corporate data

Server and application security

Dedicated WAF

Authentication

Single Sign On (SSO)

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SECURITY *in action*

Atos

Challenges

- Over 52 applications used in a massive way
- 80,000 employees around the world

Our solution : High speed secured access for the 52 applications and the 80,000 employees

BENEFITS

Cyber-attack protection

Load Balancing of 52 applications & Services

Centralization of SSL encryption

Higher performance and security for business processes

Protect the brand image and the Group's expertise

Stats started at **Thu Mar 29 09:33:22 2012** (438 days, 8 hours, 17 minutes, 32 seconds)

Type	Queries	Input	Output	Score
Total	467304417	13T	3027G	4.46 (78%)
HTML	133881162	8765G	1669G	5.25 (81%)
XML	44321032	2642G	432G	6.12 (84%)
CSS	1426216	137G	25G	5.30 (81%)
JS	61238040	1437G	403G	3.56 (72%)
Other Text	226673	30M	28M	1.08 (8%)
GIF	224278449	234G	234G	1.00 (0%)
JPEG	142961	4557M	938M	4.85 (79%)
PNG	382639	229M	146M	1.57 (36%)
TIFF	207	102M	102M	1.00 (0%)
Other Image	593	34M	2064K	17.01 (94%)
Audio	0	0	0	
Video	0	0	0	
FLASH	0	0	0	
PDF	643794	65G	65G	1.00 (0%)
Office	154167	60G	30G	1.99 (50%)
Application	262155	163G	163G	1.00 (0%)

PERFORMANCE
MAXIMIZING EFFICIENCY
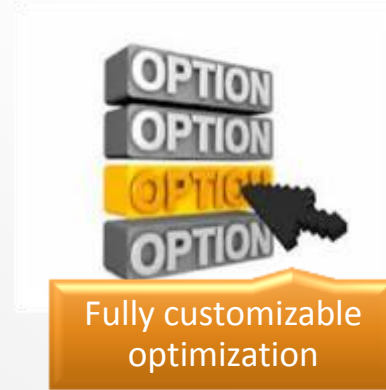

Free the bandwidth

Facilitate applications' deployment

GUI user-friendly and efficient

Monitoring & analytics

Cost control

Increase productivity

Fully customizable optimization

HTTP Optimization

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PERFORMANCE *in action*

Challenges

• Slow daily access to Cognos with tablets for the CFO teams

Our solution : Optimize data flow & secure mobile accesses

BENEFITS

Response time divided by 4 3 seconds vs 12 seconds

**Faster financial dashboards & Data mining consolidation**

Same QoE on Mobility devices as local

Stats started at **Thu May 31 16:09:36 2012** (0 hours, 11 minutes, 21 seconds)

Type	Queries	Input	Output	Score
HTML	4	5652	2726	2.07 (52%)
XML	4	3076K	244K	12.60 (92%)
CSS	2	27K	4287	6.45 (84%)
JS	0	0	0	
Other Text	0	0	0	
GIF	0	0	0	
JPEG	0	0	0	
PNG	39	583K	457K	1.28 (22%)
TIFF	0	0	0	
Other Image	0	0	0	
Flash	0	0	0	
PDF	0	0	0	
Office	0	0	0	
Sub-Total	49	3693K	708K	5.22 (81%)
Audio	0	0	0	
Video	0	0	0	
Other types	16	535K	76K	7.04 (86%)
Total	65	4228K	784K	5.39 (81%)

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AVAILABILITY
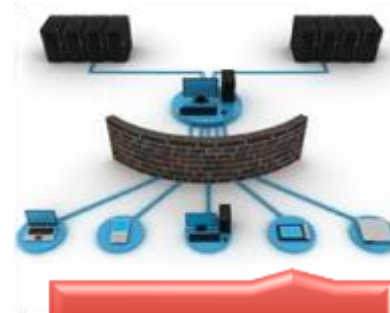## ENSURING BUSINESS CONTINUITY
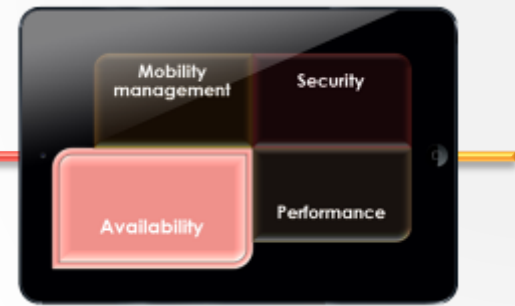
Ensure business continuity

High availability

Website and application availability

Load Balancing

Handle peak periods & seasonality

Deep server's health checking

Evolve at the pace of your growth

Scalable, autonomous and flexible solution

Mobility management
Security
Availability
Performance

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AVAILABILITY *in action*

SOCIETE GENERALE

Crédit du Nord

Challenges

- Interbank flow management for the 750 agencies
- Response time challenge for online banking's million clients

Our solution : Guarantee a 24/7 access for interbank flow and online banking for 1 380 000 customers

BENEFITS

Scalability to handle peak periods ⇨ no downtime

Highly secured exchanges for online banking (SSL encryption)

Ensure a smooth, fast and consistent user experience

End-to-end optimization with only one deployment

Type	Queries	Input	Output	Score
HTML	34	1802K	302K	5.96 (83%)
XML	0	0	0	
CSS	6	159K	30K	5.16 (81%)
JS	32	680K	196K	3.46 (71%)
Other Text	5	149K	34K	4.27 (77%)
GIF	228	685K	508K	1.35 (26%)
JPEG	88	1358K	392K	3.46 (71%)
PNG	26	59K	41K	1.43 (30%)
TIFF	0	0	0	
Other Image	1	1406	183	7.68 (87%)
Flash	0	0	0	
PDF	0	0	0	
Office	0	0	0	
Sub-Total	420	4896K	1507K	3.25 (69%)
Audio	0	0	0	
Video FLV	0	0	0	
Video	0	0	0	

MOBILITY ACCESS MANAGEMENT (MAM)
AMAZING COSTS SAVINGS

Reduce
by 2
your
roaming
fees

Mobility management

Security

Availability

Performance

Shrink mobile data bill

Substantial savings – especially on roaming

Handle remote and nomad users

Mobility at LAN's speed

Compatible with any device and app

Clientless

Smooth and fast connections

Comfort & productivity

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MOBILITY ACCESS MANAGEMENT (MAM) *in action*

A Luxury Company

Challenges

- Prohibitive mobile data bills due to international roaming
- Monthly data bill: €85,000

Our solution : Shrink the mobile data bill by more than 35%

BENEFITS

Support the entire mobile fleet (600 devices)

Transparent deployment mode & central management

Roaming data savings & HTTP optimization: 35%

€20,000 savings per month

€240,000 per year

Mobile
Access
Management

Branch offices

Internal user

App

International worker

Remote user

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ACTIVNETWORKS BOOSTEDGE
A FIELD PROVEN SOLUTION

Extract of customer list

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TESTIMONIALS

BoostEdge **seamlessly integrates** into the existing environment - an average **data volume reduction of 75%,** […] and high availability of service capabilities
Thierry Michaud, IT Senior Manager

Results were **immediately** visible: dataflow was **reduced by more than 45%** which enabled response time to be **cut in half**
François Johannel, Reporting and Consolidation Systems manager!

It is rare to be able to rely on **specialists with such high skills**
Julien GAYET, Architecture Project Manager

Reports, which had been taking **4 minutes** to access, now took only **12 seconds!**
Mark Daughtrey , IT Manager

Web pages display **10 times faster!**

[…] transactions located in Mexico are exchanged **as if they were made on a LAN** in Barcelona.

RioTinto

Ark-Les

Henkel

Pernod Ricard

Alcatel·Lucent

Intralot

MITSUBISHI

WIPRO
Applying Thought

COROBRIK

xstrata

amcor

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CALL TO ACTION

OPEX (FLEXIBLE SUBSCRIPTION SCHEME) IMMEDIATE ROI

PLUG'N BOOST – TRY'N BUY

VM - PHYSICAL APPLIANCE - CLOUD

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IN SUMMARY

Install our solution and save money immediately

WHO WE ARE

An innovative medium-sized company which enables Telecom Operators, SPs & Enterprises to realize the potential of the mobile Internet world.

WHAT WE DELIVER

A scalable, carrier-grade solution for data acceleration improving networks' efficiency, web applications performance and reducing mobile data expenses.

HOW WE DO IT

With sustainable innovation, deep expertise and a strong focus on our customer's needs and satisfaction.

Accountability
Initiative
Responsiveness
Performance Quality Agility
Innovation
Sustainability
CustomerSatisfaction
Flexibility
BusinessIntegrity
GreenIT

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APPENDIX

CONTENT OPTIMIZATION FEATURES

- ☾ **HTTP optimization**
  - Web Browsing and Web Mail (including attachments and PDF)
  - Web Download (lossless compression only)

- ☾ **Traffic volume reduction**
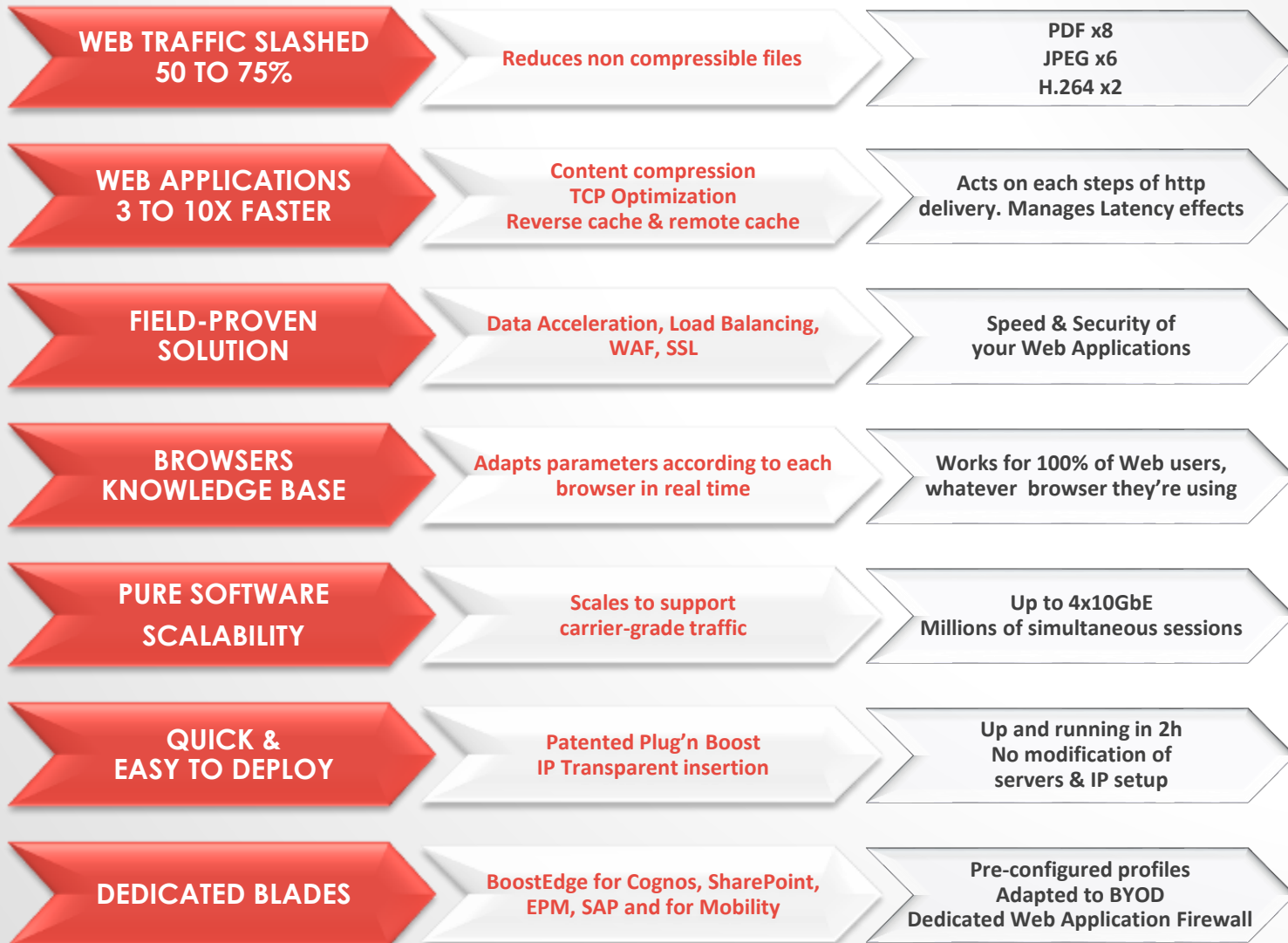 - Advanced file compression
  - PDF optimization
  - CSS/JavaScripts minification
  - Image processing and compression
  - Flash (swf) optimization

- ☾ **Reducing latency effects**
  - Differentiated Web Caching
  - Local and remote cache control

BOOSTEDGE KEY DIFFERENTIATORS

WEB TRAFFIC SLASHED 50 TO 75%	Reduces non compressible files	PDF x8 JPEG x6 H.264 x2
WEB APPLICATIONS 3 TO 10X FASTER	Content compression TCP Optimization Reverse cache & remote cache	Acts on each steps of http delivery. Manages Latency effects
FIELD-PROVEN SOLUTION	Data Acceleration, Load Balancing, WAF, SSL	Speed & Security of your Web Applications
BROWSERS KNOWLEDGE BASE	Adapts parameters according to each browser in real time	Works for 100% of Web users, whatever browser they're using
PURE SOFTWARE SCALABILITY	Scales to support carrier-grade traffic	Up to 4x10GbE Millions of simultaneous sessions
QUICK & EASY TO DEPLOY	Patented Plug'n Boost IP Transparent insertion	Up and running in 2h No modification of servers & IP setup
DEDICATED BLADES	BoostEdge for Cognos, SharePoint, EPM, SAP and for Mobility	Pre-configured profiles Adapted to BYOD Dedicated Web Application Firewall

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MOBILITY
EMPOWER YOUR WORKERS WITH MOBILE PRODUCTIVITY

COST CONTROL

- Shrink mobile data bill up to 75%

- Pay as You Use : flexible subscription

- Immediate ROI

- Turnkey solution

COMFORT AND PRODUCTIVITY

- Improve users'experience on mobile devices

- Fast and smooth connections

- Mobility at LAN's speed

SECURED EXCHANGES

- Protection of Corporate data

- URL filtering

- Blocking of suspicious and unwanted content

CLIENTLESS

- Compatible with any device (tablet, Smartphone, laptop…)

- Compatible with any connection (2G/3G/4G, Wi-Fi…)

DO THE MATHS!
BoostEdge allows an average
monthly saving of €20* per user on data bill.

For a firm with a 500 mobile devices fleet, it represents a saving of more than **€10 000 per month!**
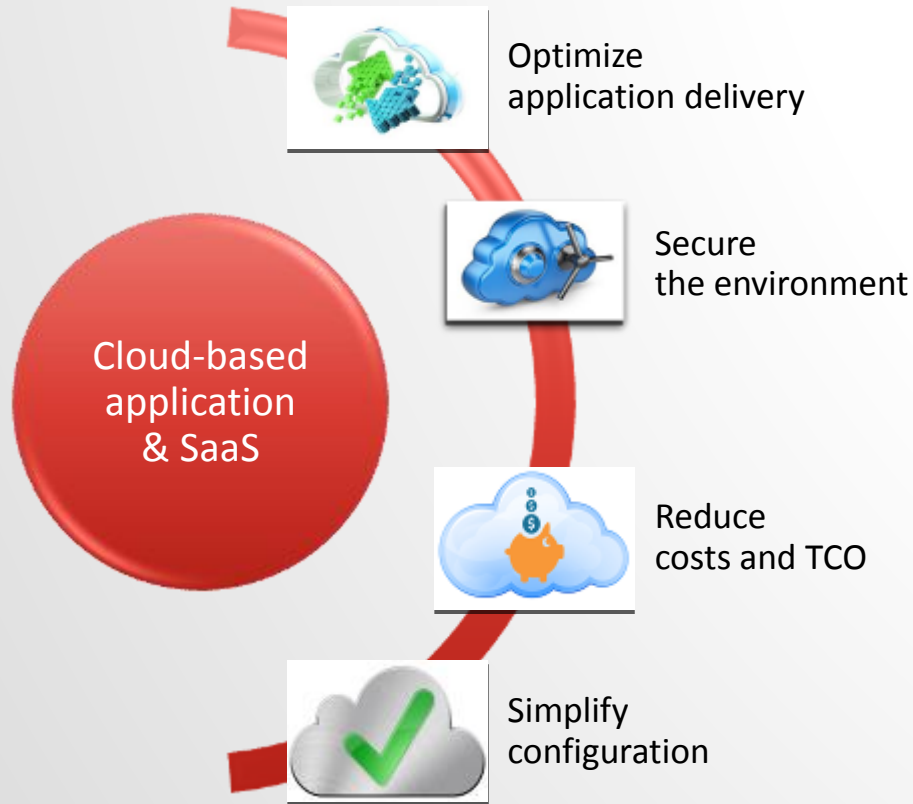
Any data, any browser, any device, any network, anywhere, anytime

(*) Calculated on the basis of an average roaming consumption – for international fleet extensively using roaming services, savings will be even more substantial.

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CLOUD & SaaS EDITORS
ACCELERATE CLOUD APPLICATIONS

Cloud-based application & SaaS

Optimize application delivery

Secure the environment

Reduce costs and TCO

Simplify configuration

EASY INSTALLATION
in datacenters

FACILITATE
Cloud acceptance

ACCELERATE
applications performance

SAFE
remote access (SSL encryption)

OPTIMIZATION
of SaaS deployment

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ACTIVNETWORKS **BOOST**EDGE
AWARDED FOR ITS SOLUTIONS

Info-Tech Research Group
Application Delivery Controller Vendor
Shortlist Tool, 2012

Criterion
Strategy
Product Feature
Product Architecture
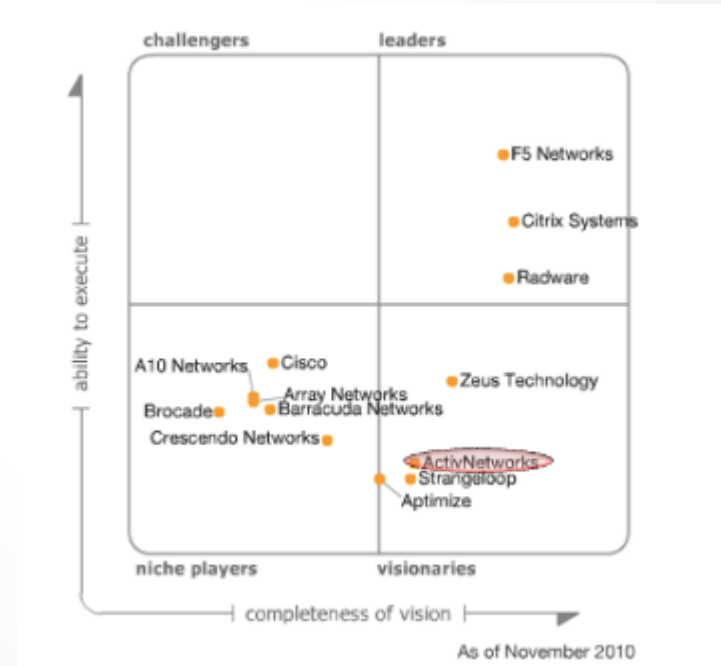
RedHerring
Top 100 Europe & Global, 12-2011