



## RIO TINTO ALCAN'S REMOTE USERS BENEFIT FROM HYPERION HFM THANKS TO BOOSTEDGE

**Application: Oracle Hyperion**

### ABOUT RIO TINTO ALCAN

Building on more than a century of experience and expertise, Rio Tinto Alcan is the global leader in the aluminum industry. With about 24,000 employees in 27 countries, Rio Tinto Alcan is the aluminum product group of Rio Tinto, a leading international business involved in each stage of metal and mineral production. Rio Tinto's major products are aluminum, copper, diamonds, coal, iron ore, uranium, gold and industrial minerals. Overall, the group has over 77,000 employees in 40 countries and generated revenues exceeding \$60 billion in 2010.

### THE CHALLENGE

Rio Tinto Alcan implemented a new application for financial reporting based on Oracle's Hyperion Financial Management (HFM). It was expected that this new application was going to be used intensively from the first through the fourth days of the month by the 300 financial directors of the group distributed among 200 sites. Of these, more than 200 are simultaneous users who connect for long sessions at widely disparate hours.

"Our problem is to make this application accessible from each one of our sites and offer our users a uniformly high quality of access," summarizes Thierry Michaud, IT Senior Manager. "The difficulty is in the huge diversity of our 200 sites: Their size and the capacity of their communication links vary considerably." To manage their operations and to improve profitability, the group's financial directors manipulate large volumes of information under very short deadlines. Application reporting over the WAN is therefore a strategic issue for the business.

"We had to find a convenient solution for a maximum number of sites and offer satisfactory response times for sites ranging from only 64Kbits to as much as 45Mbits," explains Thierry Michaud. "An HTTP compression solution was essential to answer this need; in our situation our pages contain a great volume of text with very few images."



## Rio Tinto Alcan

### Key Benefits

- ROI estimated in less than a year
- HTTP dataflow reduced by 75%
- Response time for web pages is much faster (less than 10 seconds)
- All the capacity of the BoostEdge is not exploited, that leaves a margin of progression side applications





Rio Tinto Alcan network architecture

## SOLVING THE PROBLEM

Responsible for implementing the project, Thierry Michaud summarizes, "First, we singled out the BoostEdge solution from our research in the IT press. After we checked the experience of one of ActivNetworks' significant manufacturing clients, we decided to test BoostEdge to accelerate our network. After a single presentation on our network architecture, followed by a quick, successful implementation, we opted to purchase our first BoostEdge appliance. BoostEdge is a solution that seamlessly integrates into the existing environment and produces the speed we desired for our financial reporting, with security and high availability of service capabilities," concludes Mr. Michaud. "Our hoster shares our judgment: they found BoostEdge simple to use because it is perfectly transparent to our network, our servers, and applications. Thanks the configuration process simplicity and the consulting services quality from ActivNetworks, our hoster was able to install BoostEdge without any difficulty and to make it immediately operational."

## BENEFITS

"From the very first BoostEdge tests, we were able to observe very satisfactory data compression results - an average data volume reduction of 75%," notes Thierry Michaud. "We realized these results at once and our remote users were quick to express their satisfaction since they could now access pages in less than 10 seconds." BoostEdge allows Rio Tinto Alcan's remote users to benefit from the richness of the Hyperion application without sacrificing the sophistication or performance of this solution. In addition to these immediate benefits, the BoostEdge solution pays for itself in less than a year and accompanies the evolution of the data center. "Following the improvement in productivity, we added a second BoostEdge appliance for redundancy. We don't use the full capacity of our BoostEdges - we like to have spare capacity for a succession of new applications," concluded Mr. Thierry Michaud.

BOOSTEDGE MULTIPLIED THE BANDWIDTH BY 4.82

REDUCTION OVERVIEW					
Mime-Type	Hits	Incoming (bytes)	Outgoing (bytes)	Ratio	Savings (%)
Text/Html	224910	1.67 GB	344.28 GB	4.97	79.89
Image GIF	37357	37.06 MB	17.16 MB	2.16	53.70
Image JPEG	9	88.98 KB	14.87 KB	5.98	83.29
*/*	142530	272.46 MB	58.37 MB	4.67	78.58
Total	404806	1.97 GB	419.81 MB	4.82	79.23

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## Environment

- Financial reporting application based on Oracle Hyperion HFM
- 200 simultaneous users
- 300 financial directors among 200 sites
- 2 BoostEdge appliances deployed

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IT Senior Manager

