

WAN OPTIMISATION AND ACCELERATION



ENSURING
HIGH-PERFORMANCE
DELIVERY OF YOUR
MISSION-CRITICAL
APPLICATIONS



OPTIMISE AND ACCELERATE WORK

BENEFITS

- Improve business responsiveness by enhancing access to mission-critical applications and addressing application and network performance.
- Aim to increase user satisfaction and productivity, in particular for mobile and remote workers.
- Centralise traffic and applications to potentially minimise hardware, cooling and power costs.
- Gain a deep understanding of – and visibility over – application behaviour and usage.
- Likely to Reduce branch office infrastructure costs through elimination of application redundancy and local storage
- Optimise your existing bandwidth and base upgrades and technology investments on
- Increase reliability and help manage disaster recovery.
- Minimise branch-office back up, storage and data recovery times
- Manage risk by identifying potential points of failure on your network
- Enhance security through removing branch-office infrastructure and on-site storage
- Anticipate and respond faster to potential performance issues.
- Plan for application performance consequences of infrastructure change

Businesses rely on consistent and responsive access to their core applications to deliver operational efficiency, staff productivity and competitive advantage, via their Local and Wide Area Network (LAN/WAN).

While applications are increasingly made available beyond the enterprise to customers and suppliers, users are also demanding high-performance access on WANs, outside the enterprise walls to web-based applications, enterprise applications, social media networks and other non-core services.

As a result, ICT departments are under even greater pressure to assure a consistent, user experience – while many are also focussed on system consolidation and virtualisation, cloud delivery and converging information, application and network infrastructures.

If you are planning to 'consolidate and virtualise', then you should consider how you will 'optimise and accelerate' to maintain LAN-like behaviour on your WAN to ensure the best end user experience.

Alphawest's Application and Network Assessment (ANA) services can assist in understanding the performance of both your network and applications, a critical step in building your business case for WANx and establishing a before and after comparison.

WAN Optimisation and Acceleration allows you to ensure timely access to services and adapt your network to business change, often negating the requirement to upgrade switching and routing technology on your WAN.

Our solution focuses on;

- Data streaming – eliminates redundant bytes from transfers, prioritises application traffic, resulting in bandwidth optimisation for specific applications, including latency sensitive applications, like VoIP, Video and Citrix
- Transport streaming – eliminates transport protocol inefficiencies, resulting in applications accelerated by up to 100 times, even SSL-encrypted traffic
- Application streaming – reduces WAN round trips at the application layer, resulting in reduction in packet

WAN OPTIMISATION AND ACCELERATION ALLOWS YOU TO ENSURE TIMELY ACCESS TO SERVICES AND ADAPT YOUR NETWORK TO BUSINESS CHANGE

roundtrips

- Management streaming – enables transparent deployment and centralised management, resulting in fewer IT resources required for deployment and management

Alphawest can design a tailored WAN Optimisation and Acceleration solution and help you deploy it successfully across your ICT infrastructure, to your – data centre, Optus Elevate (Cloud), branch office, remote mobile workers on 3G/4G or WiFi, even your satellite connected infrastructure.

FEATURES

APPLICATION & NETWORK VISIBILITY

Identify business-critical, applications that are – stressing your network infrastructure, demonstrating sluggish performance, intense traffic usage and slow response times Or those which are suffering from high latency over your WAN.

MEASUREMENT

Monitor and manage traffic, and optimise it by applying agreed business rules for prioritisation by application, users, events and daily, weekly or seasonal demands.

CONTINUOUS OPTIMISATION

Increasing bandwidth does not address network latency and is only one option for addressing performance across your WAN. With an Alphawest WAN Optimisation and Acceleration solution, you will be able to 'fine tune' your optimisation to work towards continuously enhancing application delivery.

BANDWIDTH OPTIMISATION

Advanced Riverbed technologies enable deployment of traffic shaping techniques to optimise available bandwidth.

CAPACITY PLANNING

Accurate measurement and reporting of trends enable you to better plan infrastructure scaling for increased or changing application usage or proposed initiatives, support business decisions and determine the optimal investment in your underlying network infrastructure.

ONGOING MONITORING

If you choose a managed service from Alphawest, our Enterprise Management Centre will continuously monitor your WAN Optimisation and Acceleration solution components to maintain an enhanced application network performance over your WAN and detect issues that can affect application performance – with the aim of rectifying them before they can affect your users' experience.

BRANCH OFFICE CONSOLIDATION

Through our deployment of Riverbed Granite technology, Alphawest can work with you to reduce your branch office infrastructure and storage costs, simplifying data protection, improving recovery service levels and increasing data security by creating LAN-like access to rapid recovery of stored data and accelerated end-user experience, regardless of location. Our branch office optimisation strategy can achieve greater economies of scale for data centre storage, simplifying overall management.

BENEFITS

INCREASE USER SATISFACTION AND PRODUCTIVITY

Attain consistent application response times to meet user service levels and increases in demand or changes in application usage.

ENHANCED REPORTING

Receive accurate reports and information on your network performance and response times of your applications so you can troubleshoot performance issues. With the right information, you will be able to serve your customers more effectively and efficiently.

GAIN A DEEPER UNDERSTANDING OF – AND VISIBILITY OVER –APPLICATION BEHAVIOUR

A WAN Optimisation and Acceleration solution from Alphawest and Riverbed allows you to monitor closely your application performance –to better manage your network, creating a better end user experience.

“ **ALPHAWEST CAN DELIVER A 24/7 MANAGED SERVICE BASED ON OUR SIGNIFICANT EXPERTISE AND EXPERIENCE IN HELPING LEADING AUSTRALIAN ORGANISATIONS DRIVE THE MOST FROM THEIR TECHNOLOGY INVESTMENTS** ”



ANTICIPATE AND RESPOND FASTER TO POTENTIAL PERFORMANCE ISSUES, 24/7

Continuous monitoring and reporting will often forewarn you of the risk of performance degradation and impact on your user service levels and customer service.

MAXIMISE YOUR EXISTING BANDWIDTH

Optimising network traffic will create bandwidth headroom and safeguard your quality of service

BASE TECHNOLOGY INVESTMENTS ON DETAILED NETWORK AND APPLICATION PERFORMANCE INFORMATION

Accurate capacity planning enables you to cater for growth or change by only investing in the infrastructure you need, rather than ‘just in case’ provisioning.

PREDICT APPLICATION PERFORMANCE CONSEQUENCES IN ADVANCE OF INFRASTRUCTURE CHANGE

Support system consolidation, infrastructure virtualisation and cloud deployment with accurate information on the impact on application delivery – critical to network and application performance planning.

PLAN AND TEST ACCURATELY FOR NEW BUSINESS INITIATIVES

Ensure the success and user acceptance of business technology projects by analysing, predicting and testing new applications during development.

ACCESS SPECIALIST SKILLS AND ONGOING EXPERT ADVICE AS PART OF OUR MANAGED SERVICE OFFERING

An Alphawest Riverbed managed service solution will help you avoid having to invest in costly in-house skills. You can rely on our experience and expertise on an as-needed basis – freeing your own resources to concentrate on new development and user support.

SERVICE OPTIONS

ALPHAWEST MANAGED WAN OPTIMISATION AND ACCELERATION SERVICE

Optimising application delivery platforms to accelerate performance requires regular tuning, calling for a deep understanding of application behaviour and networking technologies. If you prefer not to manage WAN Optimisation and Acceleration in-house, Alphawest can deliver a 24/7 Managed Service based on our significant expertise and experience in helping leading Australian organisations drive the most from their technology investments.

ALPHAWEST’S APPLICATION NETWORK ASSESSMENT (ANA) TO YOU ASSESS YOUR NETWORK AND APPLICATION PERFORMANCE

If you are unsure how a WAN Optimisation and Acceleration solution would work for you, and to help quantify its value to your organisation’s operations, Alphawest can deliver an Application Network Assessment. We’ll implement an appropriate Riverbed device, for a set period of time, on your WAN to monitor your network and enterprise application delivery, enabling our performance specialists to analyse results and make expert recommendations on how you can improve performance of your network and applications.

For more information, talk to your Optus Account Manager, Alphawest Business Development Manager or visit www.alphawest.com.au/page/Capabilities/Assessment_Services

START BUILDING YOUR FUTURE ENTERPRISE



ABOUT ALPHAWEST

Alphawest, a wholly owned subsidiary of Optus, provides integrated Information and Communication Technology (ICT) solutions. Helping to build enterprises of the future, Alphawest solutions encompass expertise in Networking, Unified Communications, Security, Enterprise Collaboration, Data Centre Technologies and Managed Services working together to enhance workforce productivity by better connecting people, processes and technology.

Working together with Optus, we can help you identify, plan, deploy, secure, manage and optimise your technology and communications investments, to help enhance your productivity, drive competitive advantage and profitability, improve customer service and reduce your environmental impact.



Call us today to talk about where you want to take your business.

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Working Together



BUSINESS