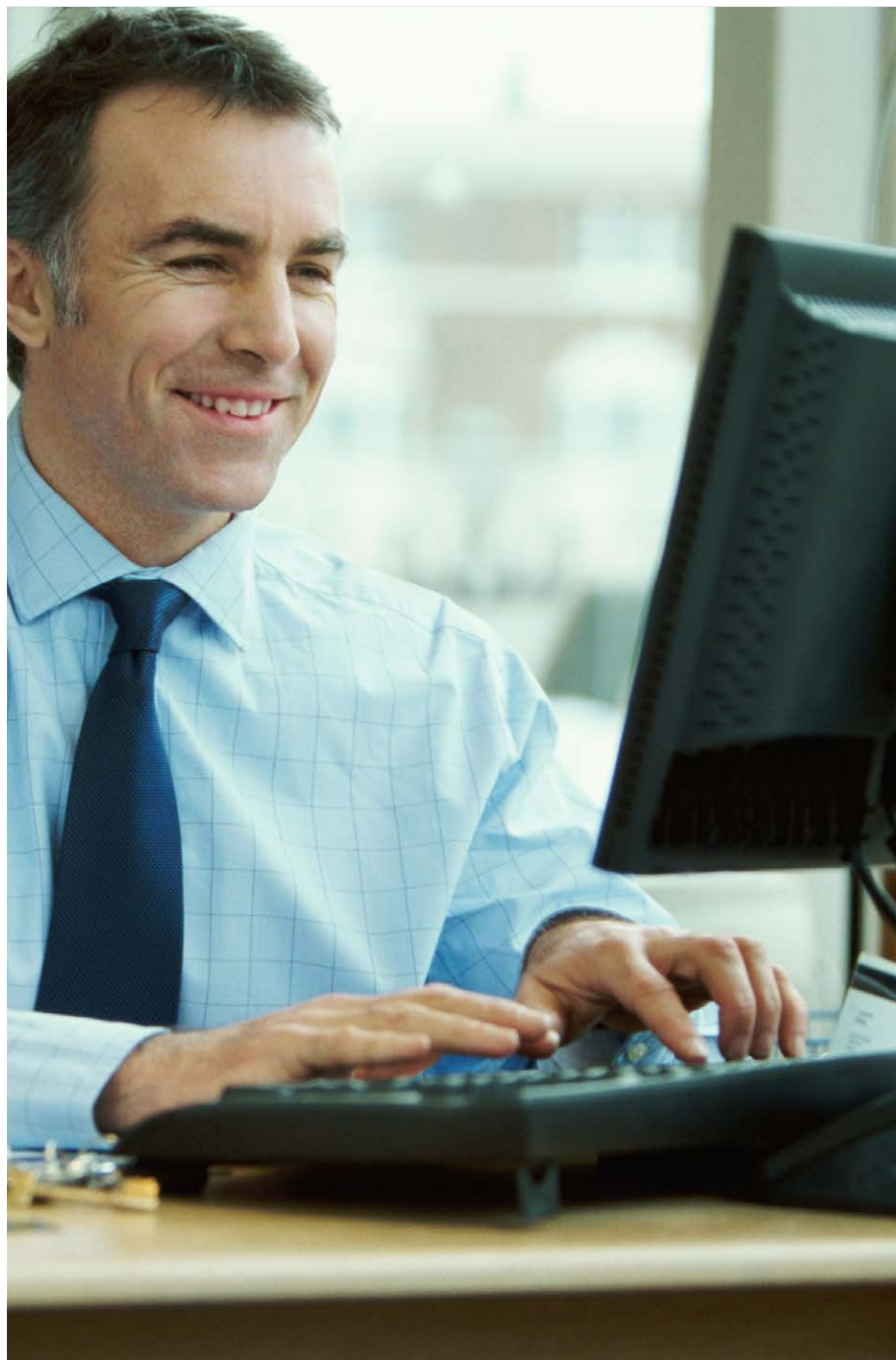




BOOST BUSINESS PERFORMANCE

WAN Optimisation works to optimise your network's bandwidth by reducing redundant traffic – to accelerate application performance, reduce ICT complexity and enable better staff productivity.



SUMMARY

The growth of bandwidth-intensive applications, real-time voice and video communications, and data back-up puts ever-increasing pressure on your network – especially across distributed sites. As capacity is compromised, network efficiency, staff productivity and business performance can all be affected.

Telstra WAN Optimisation can be a quick and cost-effective way to improve application visibility and network performance across your enterprise – without tying down your internal team or adding another layer of complexity.

Using a range of techniques and technologies, including Riverbed and Cisco, our WAN Optimisation service provides a number of options for optimising the way data moves between specified points across your network. It also improves visibility to help you detect network performance issues that impact on your business.

Telstra WAN Optimisation further enhances application performance on your Telstra Managed Data Network[^] – supporting the speed, productivity and end-user experience of your network services.

[^] Telstra WAN Optimisation is an optional, value-added service available only to Telstra Managed Data Networks customers.

BENEFITS

Improve productivity

By reducing network latency, WAN Optimisation helps you accelerate application response so your fixed and mobile users can be more productive.

Enhance capacity planning

You'll have better visibility for prioritising business-critical traffic, analysing usage trends and helping identifying faults.

Save on network upgrades

By reducing duplicated data traffic, WAN optimisation can free up bandwidth and streamline information flows in ways that bandwidth upgrades simply can't emulate.

Improve Data Security

WAN Optimisation can enable you to centralise and consolidate your branch office IT infrastructure and ensure greater data security.

Focus on core business

With high-quality support from Telstra, your IT staff will be freer to focus on more strategic activities.

See a rapid return on investment

Maximising your network's performance while reducing administration and infrastructure costs can deliver a rapid return on investment.

FEATURES

Telstra offers a managed WAN Optimisation solution using either Cisco or Riverbed technologies. You can deploy the WAN Optimisation appliances either in your branch sites or data centre. You can also choose for us to just design and install your WAN Optimisation solution.

Virtualisation and consolidation

You can use a virtual platform on top of your WAN optimisation appliances to deploy branch services such as Windows and Linux servers or any other compatible VMware compliant application. This platform is either available via Cisco Virtual Blades or the Riverbed Services Platform.

You can deploy a cost-effective software-based WAN optimisation solution (Cisco WAAS Express) on a Cisco Integrated Services Router 2. Or use a Virtual Riverbed Steelhead on your own servers which we can manage for you.

Consolidating your IT infrastructure helps you minimise complexity and costs as you can reduce your server and network appliance footprint in branches and data centres.

Fully supported Riverbed options

Our partnership with Riverbed also offers you virtual and on-premise equipment options of the Riverbed Steelhead Mobile Controller for Mobile WAN Optimisation. This lets mobile staff enjoy optimised wireless network application performance on their laptops or computers.

Riverbed Interceptors can also be installed and managed by us to load balance the traffic between multiple WAN optimisers to give you optimum efficiency. We can configure the Steelhead Cloud Accelerator feature on Steelhead appliances for performance improvements on a number of Software-as-a-Service applications.

Flexible Reporting

For real time management and reporting, you'll be able to purchase and install a dedicated Cisco Central Manager or a dedicated or virtual Riverbed Central Management Console. Alternatively, our Riverbed solution provides the option of a shared Central Management Console with access to monthly reports generated by Telstra.

Advanced solutions

Our WAN Optimisation devices combine a range of techniques and technologies to optimise network performance – including:

- Data compression – advanced compression algorithms (eg L-Z, Huffman) reduce data volumes to free up valuable bandwidth for your applications.
- Visibility and Prioritisation – time sensitive applications can be given higher priority, to help ensure they meet end user demands.
- Intelligent caching – the devices can store large data patterns and files at each network end, to save repeat transmissions of entire data strings and files. This reduces data volumes and improves response times for end users.
- TCP Flow Optimisation – TCP variable packet sizing is forced to transmit maximum packet sizes across the WAN at all times, increasing network efficiency.
- Application protocol optimisation – eliminates the need for multiple handshakes as applications send data across the network, so the data packets can be transferred faster.

Visibility

As part of this solution, you'll have near real-time visibility of network usage and performance data* via a secure portal, including:

- applications traffic mix
- application acceleration percentage for CIFS, exchange, HTTP
- bytes dropped out (number)
- compression (%)
- compression throughput (Kbps)
- packets dropped out (number)
- TCP acceleration (%)
- TCP acceleration throughput in (Kbps)
- WAN throughput in (Kbps)
- WAN throughput out (Kbps).

* Specific detail of the online reports will vary depending on your preferred WAN Optimisation device (Cisco, or Riverbed).

Complementary products and services

We offer additional products and services that complement the solution and add extra capability and value. These include:

Proof of Concept testing with a three site, one month service for qualified customers, supported by a report analysing pre and post-optimisation metrics.

Professional Services to help you re-tune or re-evaluate your WAN Optimisation when you add new applications or sites to your network.

For further information about these complementary products and services (including pricing) contact your Telstra Account Executive.

ABOUT TELSTRA

We provide network services and solutions to more than 200 of the world's top 500 companies. They rely on us to do business across 240 countries and territories and to enable greater productivity, efficiency and growth.

Our solutions offer the best of all worlds – skilled people and a rich portfolio of services delivered on our world-class Telstra Next IP® network and Next G® network. To ensure reliable performance, they're monitored and maintained from our dedicated centres using advanced management and operational systems. And they're backed by Telstra Enterprise-grade Customer Service™ and one of Australia's largest and most qualified field and technical workforce.

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