

dimension
data 

accelerate your ambition

Hybrid Wide-Area Network

Application-centric,
agile and end-to-end

How do you **close the gap** between the **demands on your network** and **your capabilities**?

Wide-area networks, by their nature, connect geographically dispersed locations that have little, if any, IT resources. But once your WAN is up and running, it's difficult for you to make changes in an efficient and cost-effective manner. This causes network infrastructure to age or stagnate.

Most WANs were designed and installed before cloud, enterprise mobility, and collaboration became the new 'normal'. That means your network is probably under pressure due to new traffic types and patterns.

Internet-sourced enterprise network traffic explosion

Cloud enables you to move application workloads from private data centres to a public platform. Collaboration technologies have strict performance requirements around latency and jitter. And device proliferation due to enterprise mobility is set to strain your network even more.

How do you close the gap between the demands on your network and your capabilities? You could add more expensive multiple protocol label switching (MPLS) bandwidth – but this isn't an option if you face budget constraints. Sometimes using newer, less expensive connectivity options will only increase the administrative and operational complexity of your network ...dealing with one service provider is hard enough, let alone several.

To ensure proper quality of service requires technically skilled resources, robust monitoring capabilities, and mature operational support processes.

Seven signs you need to increase network and application performance to support your business goals

- Do you need to increase bandwidth to your branch offices but don't have the budget?
- Is your current WAN able to provide the necessary application performance as you move to the cloud?
- Do you lack IT resources to support your WAN? Is support of remote offices especially problematic?
- Are you finding it difficult to redesign your WAN to keep up with demands of users?
- Do you have a strategy to enable critical applications such as enterprise resource planning, finance, and voice and video?
- Are you finding it expensive to sustain your current network infrastructure?
- Does the overall value delivered by your service provider match your expectations?

The broadband revolution

Internet broadband is changing the economics of WAN connectivity. It's making it possible for you to cost-effectively increase bandwidth while, at the same time, improve network performance and availability. However, if not executed properly, a multi-connectivity networking model brings operational and administrative complexity that can outweigh the cost and performance benefits ... to the point that performance and service levels might actually get worse. A new service paradigm is needed.

if not **executed properly**, a **multi-connectivity networking** model brings **operational** and **administrative complexity**

Dimension Data's Hybrid WAN

Our Hybrid WAN is a holistic approach to delivering and managing wide area networks. It starts with a technology solution that leverages intelligent WAN routing and multiple types of network connectivity. It delivers cost-effective connectivity, purpose built for hybrid cloud, without the operational hassles.

We help you achieve the benefits of a hybrid WAN with:

- improved network and application performance
- lower telecommunication costs
- management of service providers
- management of day-to-day operations
- flexible network architecture that evolves with your business needs

purpose **built for hybrid cloud**, without the operational hassles.

Hybrid WAN architecture design consulting

Moving to a hybrid WAN is not a simple one-for-one replacement. It involves a clear understanding of your business objectives and how your IT infrastructure supports those objectives.

Our consulting offering includes:

- analysis of current and future applications and traffic patterns
- designing the type and amount of bandwidth required per location to deliver the necessary quality of service for your application traffic
- configurations for premise-based routing equipment
- service provider recommendations to deliver bandwidth at the best price
- proposed changes to network security architecture based on the new hybrid WAN design
- operational support services to effectively manage the hybrid WAN
- proposed project plan and timeline for deployment

‘It involves a **clear understanding** of your **business objectives** and **how your IT infrastructure** supports those objectives’

‘We offer an **industrial strength management platform** for **controlling costs** and **managing service levels**’

Managed Services for Enterprise Networks

We offer an industrial strength management platform for controlling costs and managing service levels. Our managed services offer proven management tools combined with Information Technology Infrastructure Library-aligned service features, to deliver proactive network management across your entire network infrastructure.

This is especially valuable for WANs connected to geographically dispersed branch offices.

[▶ Find out more](#)

Carrier Management Services

‘Introducing **multiple types of connectivity** into your WAN brings **administrative and operational complexity**’

Due to differences in network footprint and service catalogues, you may need to engage multiple service providers to provide the types of network connectivity required to deliver the financial and performance benefits of a hybrid WAN. This creates a level of administrative and operational complexity.

We manage your service providers across three areas:

- **Operational** – Should a service issue arise in your WAN, we’ll work with your service provider to ensure the issue is addressed in a timely manner.
- **Performance** – We’ll monitor the performance of the service provider’s connectivity services to ensure it meets contracted performance and service levels.
- **Expense** – With telecommunication expenses accounting for as much as 25% of an organisation’s overall IT budget, it’s critical to manage this expense.

Why Dimension Data?

Dimension Data has a proven history in delivering comprehensive, innovative, and award-winning ICT results, including networking services and solutions.

We’ve designed, built, and manage over 9,000 IP networks, enabling 13 million users to connect to their enterprise networks. We also support and manage more than USD 30 billion of networking infrastructure.

We have over 5,800 networking certifications across multiple technology vendors, including Cisco, Citrix, Riverbed, F5, and many others. We’re a Cisco Gold Partner in 33 countries and Riverbed and F5’s largest partner globally.

Dimension Data offers **intelligent WAN routing and multi-connectivity, cost-effective and end-to end network management, and a single point of contact.**

Middle East & Africa

Algeria • Angola
Botswana • Congo • Burundi
Democratic Republic of the Congo
Gabon • Ghana • Kenya
Malawi • Mauritius • Morocco
Mozambique • Namibia • Nigeria
Oman • Rwanda • Saudi Arabia
South Africa
Tanzania • Uganda
United Arab Emirates • Zambia

Asia

China • Hong Kong
India • Indonesia • Japan
Korea • Malaysia
New Zealand • Philippines
Singapore • Taiwan
Thailand • Vietnam

Australia

Australian Capital Territory
New South Wales • Queensland
South Australia • Victoria
Western Australia

Europe

Austria • Belgium
Czech Republic • France
Germany • Hungary
Ireland • Italy
Luxembourg • Netherlands
Poland • Portugal
Slovakia • Spain • Switzerland
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Americas

Brazil • Canada • Chile
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