Meet the mission with a wiser WAN.

Managed Software Defined Wide Area Network (SD WAN) for the Federal Government

The demands on your agency's network are higher than ever. As the use of cloud and mobile technologies continue to grow, you have to find new ways to drive better application performance. Doing it quickly and reliably is another story. Some organizations have turned to the public internet to help make it happen. But can you rely on public IP services without sacrificing performance and security? With a software-defined wide area network (SD WAN), the answer is yes.

The Solution.

SD WAN is an advanced networking approach that can help you shape your agency's WAN to handle these challenges. SD WAN platforms create hybrid networks that integrate broadband or other network services into the agency or department's WAN. All while maintaining the performance and security needed for real-time and sensitive applications. Verizon's Managed SD WAN solution supported by our specialized management services platform, that is designed to meet the FISMA high standard and additional NIST SP 800-53 controls. It also measures and monitors performance of multiple services in your hybrid network. It uses application routing to offer more granular control of where and when an application uses a specific service. This helps you to make better use of your overall network because capacity that may have been dormant in fail-over networks is included in an active/active configuration.

SD WAN also allows your agency to offload Internet-bound traffic, which means private WAN services remain available for real-time and mission-critical applications. This added flexibility helps improve traffic flow and reduces pressure on your network.

Finally, with traditional private WAN services, security is normally embedded and centralized, whereas Managed SD WAN provides the capability to overlay a single standardized security policy, across your entire network.

Minimize deployment risks.

SD WAN brings powerful new features, but along with the many benefits comes additional complexity in security, Quality of Service (QoS), protocols, service types, devices, controllers and operating systems. And while you may want to adopt hybrid platforms, you may not have staff with the expertise to manage the risks that come with that added complexity. Verizon Managed Services can support your SD WAN and help your agency move forward confidently with your implementation.

Powerful features require skilled oversight. Verizon has more than 30 years of experience managing and protecting customer networks.

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SD WAN deployment considerations	Benefits of a Verizon Managed SD WAN solution
Moving from a traditional, IP destination address, per-packet-based approach to an end-to-end, application-aware approach	Standardized SD WAN operational practice helps simplify consumption and speed transition while providing positive return on investment
Multiple access-service types, multiple service providers	Verizon can bond multiple services into a single service with a unified view into performance reporting, change management and troubleshooting
Updating application routing rules as new users, applications and changing usage patterns impact WAN performance	Tested change-management processes help your agency avoid unnecessary downtime from configuration errors
Obtaining accurate application inventory and applying reporting metrics to improve routing and utilization	Verizon's reporting platforms and processes observe, analyze and recommend changes based on application behavior.
Integrating new reporting and changing management platforms for application visibility	Easily turn on and scale as a service platforms, to support your agency's growing implementation with project management oversight for delivery
Cost of hiring, training, building and maintaining application-centric routing and management systems, people and monitoring platforms	Verizon provides geo-diversified network operations centers, trained personnel and scaled, carrier-integrated management platforms with options for both shared and dedicated engineering resources

Migrate to SD WAN with confidence.

Many networking teams face challenges migrating to SD WAN. They may not have the tools, expertise or infrastructure to build and manage the solution. Verizon's Intelligent Network Professional Services can help you bring complex projects—like hybrid networking—to life.

These services include Network Strategy Workshops, Network Discovery and Assessment, Network Design and Implementation, and a variety of technology-specific design, transformation and adoption strategy solutions, including:

- Application assessments to determine flow, performance thresholds and routing rules
- Feasibility assessments and recommendations to improve network performance and control costs
- Unbiased analyses of all options, including a hybrid network, adding additional bandwidth to the private network or other alternatives

Verizon's portals, platforms and tested practices and processes enable your agency to implement and manage SD WAN with confidence.

Improve results with SD WAN.

SD WAN can help improve the efficiency of your agency's network. It can also help your IT staff deliver services faster, improve service levels and focus more attention on your agency's mission. But only if you manage it the right way.

Verizon's Managed SD WAN solution gives your agency the tools, monitoring, oversight and life-cycle support you need to maintain application visibility and control—and support increased network use. By using Verizon's tested practices, processes, portals, platforms and our expertise, you can absorb the new technology into your agency simply, securely and reliably.

Verizon's life-cycle management helps you develop a migration plan that suits your readiness now and in the future.

This includes:

- Fault/configuration/change management of the underlying hybrid platform and transport services
- Instrumentation of path quality and management of associated thresholds and alarms
- Reporting on path quality, application prioritization, utilization, trending and changes in application path selection
- Proactive traffic management–refreshing application rules and path selection
- Troubleshooting performance degradation

We can help you connect users to applications simply, securely and reliably.

Learn more.

Find out how partnering with Verizon can help you improve your IT operations and drive business growth.

Contact your representative today or visit
Enterprise Infrastructure Solutions (EIS)