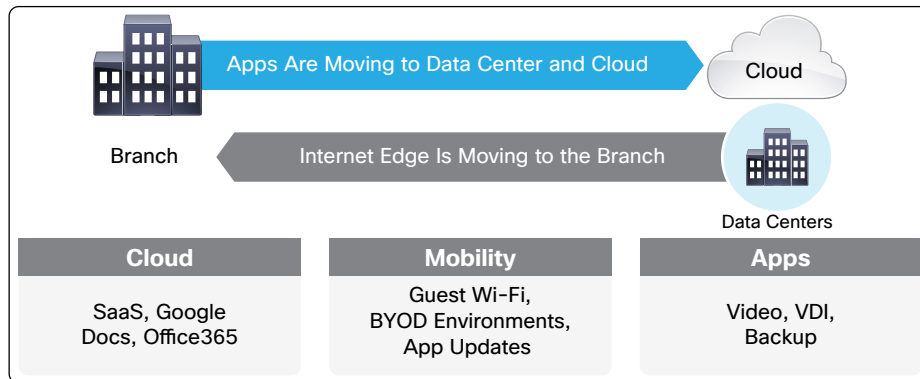# Cisco Network Architecture Discovery, Planning, Design, and Implementation Services for Intelligent WAN

Transform Your Branch Office

IT organizations are under tremendous pressure to meet the growing bandwidth demands of cloud traffic, mobile devices, bring-your-own-device (BYOD) environments, and high-bandwidth applications such as video (Figure 1).

Figure 1. Growing Demands on the WAN

Cisco® Intelligent WAN (IWAN) enables businesses to deliver an uncompromised experience over any connection. Now IT organizations can right-size their branch-office connections using less-expensive WAN transport options without affecting performance, security, or reliability. With Cisco IWAN, traffic is dynamically routed based on application, endpoint, and network conditions to deliver the best-quality experience. The realized saving from IWAN not only pays for the infrastructure upgrades, but also frees resources for business innovation.

To facilitate the transformation of your older branch-office connectivity to the new IWAN solution, Cisco offers the full range of network discovery, planning, design, and implementation services for a smooth transition to IWAN.

Cisco Strategy and Architecture Discovery Workshop

This multiday workshop focuses on creating a strategic architectural vision by aligning business requirements, IT strategy, and a conceptual network architecture.

This vision is the foundation for planning for medium and long-term business growth and for making sure that your network is an optimal platform for advanced business applications, maximizing WAN usage and optimizing cost within the branch-office network.

Typical activities include:

- Capture and review of business requirements and IT strategy at a high level
- Capture and review of the routing and security network subdomains in the current-state network at a high level; analysis and comparison against current branch-office and IWAN best practices
- Formulate a conceptual Cisco IWAN Network Architecture, featuring an application-aware and intelligent routing infrastructure

Cisco Network Architecture Planning and Design Service

When you have an IWAN network roadmap and strategy and are ready to proceed with detailed design and implementation, this 3- to 4-month engagement provides the guidance and leading-practice expertise to help you succeed.

This service includes analysis of your business profile, requirements, application visibility metrics and current architecture assessment, and in addition, the following:

- Mapping of your business objectives and technical requirements to a proposed high-level network architecture design
- Translation of your high-level design into a detailed design by developing low-level configuration templates, logical and physical topology diagrams, and checklists for your IWAN deployment
- Consultative support and knowledge-transfer sessions while you and/or your Cisco partner are implementing the IWAN architecture
- Validation of routing and network security performance relative to design specifications, assistance with site turn-up, and detailed documentation
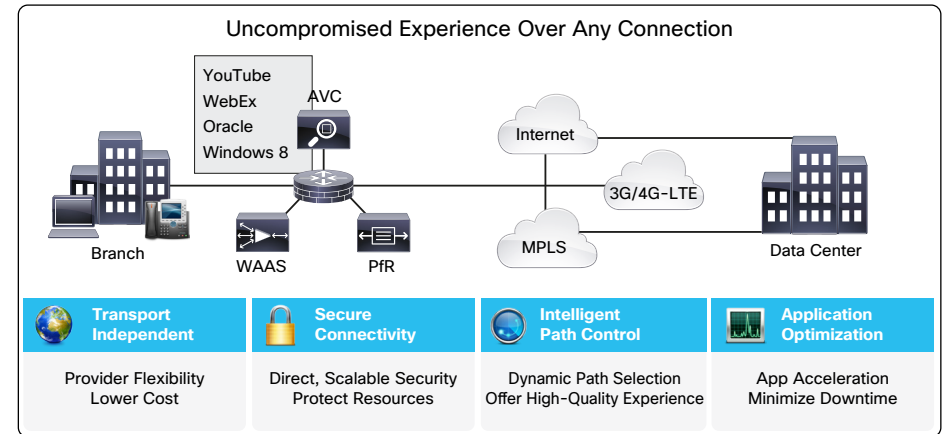
Cisco Network Implementation Service

After developing a comprehensive design for your IWAN solution, Cisco Services can lead or partner with you in developing a requisite list of high-level events, phased changes, and activities in order to introduce the Cisco Integrated Services Router Application Experience (ISR-AX) platform and capabilities such as Cisco Application Visibility and Control (AVC), Performance Routing (PfR), and WAN optimization into your branch-office environment.

Cisco will identify network dependencies and the impact of introducing these new capabilities into your environment. We will lead the implementation work to help ensure a smooth rollout of the IWAN solution in your environment while maintaining stability and requisite functions within the network. The Cisco network implementation service helps ensure the successful rollout of a production IWAN solution that meets your stipulated requirements.

By fully integrating leading practices of our IWAN solution, Cisco network discovery, planning, design, and implementation services offer you the following benefits (refer to Figure 2):

- Maximized WAN usage to increase return on investment (ROI)
- IT flexibility to lower costs and service delivery times
- Security of your branch-office endpoints
- An application-aware network for optimal performance
- Advanced compression to minimize WAN load
- Simplified branch-office operation

Figure 2. Cisco IWAN

For More Information

Cisco Network Architecture Discovery, Planning, Design, and Implementation Services for IWAN solution deployment is available in the United States and Canada. For more information about this and other Cisco Services, contact your local Cisco account representative.