



SERVICE PROVIDER NETWORKING PRACTICE

A COMPREHENSIVE, PROVEN APPROACH TO ENABLING SERVICE PROVIDERS TO SERVICE PROVIDER NETWORKING

AS CISCO'S #1 NETWORKING PARTNER, WORLD WIDE TECHNOLOGY (WWT) OFFERS END-TO-END, CARRIER GRADE NETWORKING SOLUTIONS INCLUDING A COMPREHENSIVE NETWORK EVALUATION, HIGH AND LOW-LEVEL DESIGN AND IMPLEMENTATION SERVICES.

Our Cisco Service Provider Specialization Certification enables our customers to have access to industry-leading knowledge and expertise in the service provider networking space. We offer our customers innovative, industry-leading solutions while reducing their operating costs and accelerating revenue growth. Through our time-tested and proven partnership with Cisco, our customers have access to next-generation technology along with global fulfillment, integration and delivery capabilities.

Through WWT's **ADVANCED TECHNOLOGY CENTER (ATC)**, our customers have access to the latest Cisco service provider solutions including the Agile Carrier Ethernet (ACE) solution. Cisco Agile Carrier Ethernet (ACE) is a SDN-capable, programmable network for the delivery of mobile backhaul services. The ACE infrastructure is based on Segment Routing (SR): a simplified MPLS label switching network utilizing sourced-based routing and a SDN controller, eliminating the requirement of keeping state within the network. The ACE architecture is a multi-domain SR topology that includes Segment Routing On-Demand Next-Hop (SR ODN) policies, the XR Transport Controller (XTC) acting as the Path Computation Element (PCE) and Cisco Network Services Orchestrator (NSO) enabled by Tail-f® for L3 and L2 service instantiation. Leveraging the ACE solution, service providers are able to effectively scale their network services, capability and reach while maintaining and growing profitability.

Along with this solution, WWT enables its customers with additional capabilities to layer on top of ACE to provide further scalability, interoperability and profitability. By leveraging the ATC, customers can utilize WWT's expertise in:

- Segment routing with SDN Controller capabilities
- Evolved Packet Core capabilities
- Network Function Virtualization interoperability capabilities
- Cisco Network Services Orchestrator (NSO) enabled by Tail-f® capabilities

In addition to these capabilities, customers have access to WWT's industry-leading expertise around Cisco routing product families, including:

- Cisco ASR 9K Family
- NCS 6K Family
- NCS 4200 Family
- ASR 900 Family

INDUSTRY-LEADING SOLUTIONS

WWT has access to the latest OEM solutions specifically designed to meet the needs of our service provider customers. Using the capabilities and technologies provided by the Advanced Technology Center (ATC), customers can design, test and implement a networking solution that highlights the best of the Cisco product portfolio while incorporating complimentary multi-OEM solutions.

Within the ATC, customers can perform proofs of concept, receive demonstrations of integrated architectures, explore emerging technologies in sandboxes, participate in workshops and take advantage of advisory services and training, all on-demand through a securely accessible portal.

Skilled technology professionals operate more than 45,000 square feet of secure integration space in our **INTEGRATION TECHNOLOGY CENTER (ITC)** with the capacity to simultaneously configure and integrate thousands of systems per week. WWT rack integration solutions combine technology from leading manufacturers including Cisco, Dell EMC, NetApp, HP, VMware, APC and many others.

In our integration space, WWT provides controlled environments in which multiple solution tasks are performed, helping customers move from designing a new or evolving technology solution to implementing it in their own environment. We have the ability to asset tag, test, burn in, cable, rack, configure and integrate multi-vendor solutions prior to delivery. By pre-configuring technology platforms and devices prior to shipment, deployment speed and order processing speed increases, while field engineering and maintenance costs are reduced.

CUSTOMER USE CASES

- **TRANSITION A LARGE NORTH AMERICAN SERVICE PROVIDER TO ENHANCED IPV6 CAPABILITIES.** In collaboration with WWT, the customer leveraged segment routing to help transition their service provider network to include increased IPv6 capabilities, IPv4 transition mechanisms and enhanced service delivery.
- **LARGE WORLDWIDE RETAILER DEPLOYED SEGMENT ROUTING IN THEIR ENVIRONMENT.** In collaboration with WWT's networking practice, the customer deployed segment routing in their production environment. In addition, this segment routing implementation ensures that the customer's roadmap for expansion is viable.
- **CLOUD PROVIDER DEPLOYED SEGMENT ROUTING FOR TRAFFIC ENGINEERING.** By leveraging the resources and expertise within the Advanced Technology Center (ATC), the customer deployed segment routing in their environment to provide traffic engineering beyond existing MPLS strategies.

WHY WWT & CISCO

As the industry-leading OEM in the networking space for over 30 years, Cisco brings industry-leading carrier grade solutions to market. Cisco's optical and carrier grade networking portfolios, matched with WWT's ATC and expert engineers, enables service providers to deliver next-generation solutions to market.

By leveraging the mobility solutions provided in the ATC, along with integrating the physical global fulfillment capabilities from WWT's Integration Technology Centers, we can deliver a complete networking solution to our service provider customers that begins with design state and continues through the execution and implementation state.

GET STARTED TODAY

Call 800.432.7008 to join the growing number of global business leaders benefiting from World Wide Technology's technical expertise, industry leading partnerships and award-winning customer service.