NETWORK ACCESS MODERNIZATION

Computacenter designs and implements networks that are capable of handling the high-bandwidth, low-latency requirements of today's applications. These solutions enable customers to:

- Transition to a business-critical approach to Wi-Fi focused on performance and the user experience

- Support and secure IoT devices, with greater visibility into all devices connecting to the network

- Move away from traditional controllers to software-defined networks and cloud-orchestrated infrastructure

- Transform workplace and collaboration experiences with location-based technologies and analytics

Computacenter delivers advanced network access solutions that deliver the performance, capacity, security and manageability organizations need today.

The shift to hybrid work has resulted in a fundamental transformation of the workplace. Offices have become spaces for collaborative teamwork, with a heavy emphasis on video conferencing, file sharing and other real-time applications. Workers are bringing in multiple devices and organizations are moving from fixed workspaces to more flexible models of teamwork without being tethered to a desk .

Organizations must transform their networks to address this new paradigm. Many WLANs were designed for coverage and convenience, lacking the capacity and performance to meet growing demands for bandwidth and seamless connectivity. Most networks also require upgrades to the core and aggregation layers to support larger volumes of Wi-Fi traffic and the proliferation of IoT devices. Cloud-based management tools and greater automation are needed, along with enhanced authentication and access controls. The advancements in WLAN speeds and capabilities are driving the need for equally capable wired infrastructure.

Computacenter builds wired and wireless networks that support workplace flexibility and connect customers to the business while reducing complexity and administrative overhead. Our future-proof approach also improves availability and security and provides the scalability needed to meet changing demands.

TRENDS DRIVING NETWORK ACCESS MODERNIZATION

In a recent Enterprise Management Associates survey, 46 percent of organizations said they are investing in high-bandwidth Wi-Fi to support greater device density and real-time applications. These demands are driving rapid uptake of Wi-Fi 6 and 6e solutions , which deliver faster throughput with less congestion than previous generations of Wi-Fi.

IoT initiatives increase connectivity requirements in multiple ways. Networks must support a proliferation of IoT devices, some of which need low-energy connections. Increasingly complex IoT environments also require new approaches to network segmentation and access privileges to ensure security and regulatory compliance.

In addition, organizations are looking to implement management tools that provide greater visibility and automation. The right architectural approach will enable them to streamline network operations while boosting security and enhancing the user experience.

THE COMPUTACENTER APPROACH

Computacenter designs and implements networking solutions that deliver the performance, capacity and security to meet our customers' requirements. We work closely with our customers to understand their objectives and develop forward-thinking designs for today's high-density environments. We ensure that our solutions are manageable and secure, with an emphasis on policy-based access controls and automation.

Computacenter's integration and deployment capabilities are unmatched in the industry. We provide imaging, staging, configuration and comprehensive installation services, including low-voltage cabling. We can also monitor and manage our customers' wired and wireless environments and offer resident engineer services.

Our architects and engineers have more than 4,200 certifications across more than 300 manufacturers. We also maintain relationships with more than 800 partners who offer well-established first tier and best-of-class emerging technologies.

WHY COMPUTACENTER

Customers in 70 countries trust Computacenter to transform and manage their networks and deliver innovative solutions. Our multivendor expertise enables us to deliver best-of-breed solutions, and provide integrated assessment, sourcing, deployment and managed services. We also have proven vertical experience in various industries, including retail, healthcare, manufacturing and distribution.

Delivering Value: Food Processor and Distributor

A global food processor and distributor was struggling with critical application outages that impacted operations. Computacenter modernized the customer's networks for warehouse management systems, food processing plants and distribution centers. The solution ensures high levels of availability along with greater performance and security.

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