BEST FIT SOLUTIONS FOR ENTERPRISE NETWORK ARCHITECTURE – Build a Strong, Resilient Business

Enterprise networks today are faced with relentless challenges that threaten capacity, efficiency, security and user experience. Bringing in new tools is not enough. The complex and continuously evolving networks of modern, evolutionary enterprise warrants a completely new approach to design, deployment, and management.

Computer networks are built to serve the needs of their clients. Described below are three common types of enterprise networks:

- Access networks, for campuses and branches, are built to bring users and things onboard, such as connecting employees within an office building.
- Networks for data center connect servers that host data and applications and make them available to users.
- Wide-area networks (WANs) connect users to applications, sometimes over long distances, such as connecting hospital workers to health applications.

These and all other networks face different security threats, which they need to guard against. To accommodate these varied requirements, all network types have unique architectures.

Traditional networks are gradually becoming obsolete, as they are unable to handle the increasing strain placed on their available resources by the various "heavy-weight" requirements of emerging applications.

CSG Technologies is now deploying architectures that ease the burden of building and maintaining computer networks for the digital age. The company offers a complete portfolio of modern network architectures for access, WAN, data centre, and cloud.

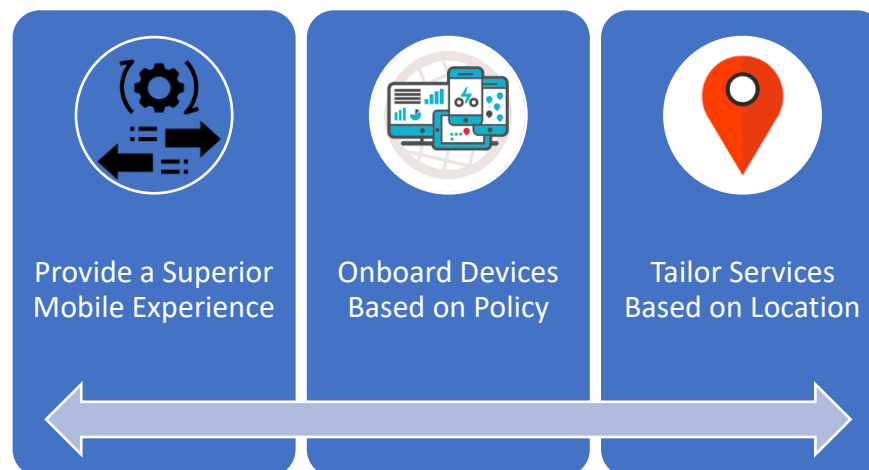What You Can achieve with CSG Technologies Network Architecture

Key Business Objectives - You can leverage the power of intent-based network design to increase business flexibility, reduce TCO (total cost of ownership), accelerate innovation, and simplify management.

Define High Level Policies	Obtain Insights and Automate Tasks	Support Business Continuity
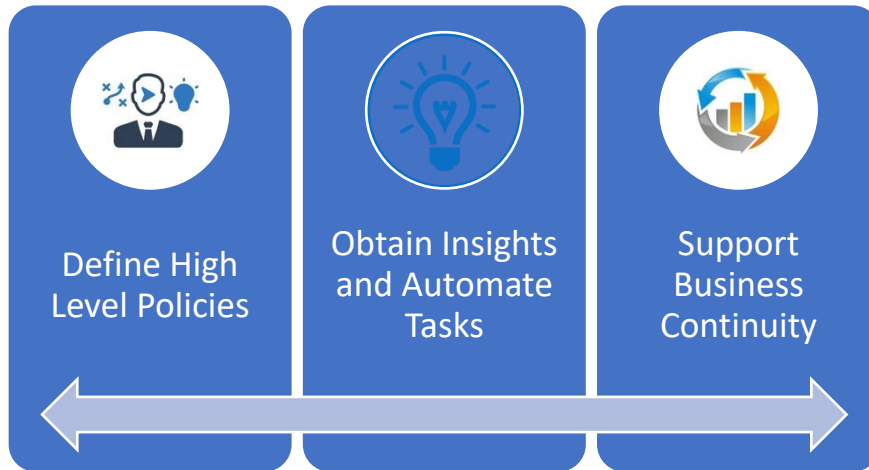
Security – A singe security breach can cause significant damage to an organization's budget and brand reputation. A business simply cannot afford to discover a breach three months too late. An intent-based network architecture can be used to sense threats and take corrective action to contain the breach.

Control User Access	Minimize Vulnerability	Spot and Stop Threats
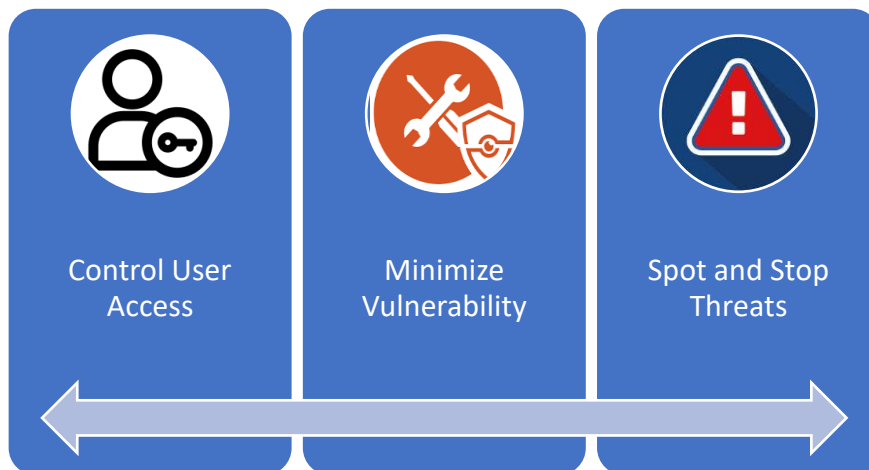
Mobility - Wireless is a preferred way for users to connect to the network. Ensuring excellent coverage, secure onboarding, and a superior experience as users move through the network can present unique challenges.

Provide a Superior Mobile Experience	Onboard Devices Based on Policy	Tailor Services Based on Location

Productivity - Evidently, the growth in network scale, complexity, and uncertainty is threatening IT departments' ability to effectively deliver digital experiences that are demanded by employees and customers. Automating routine tasks on a network enables enterprises to free up staff allowing them to focus on more important issues, ensuring that the business remains resilient.
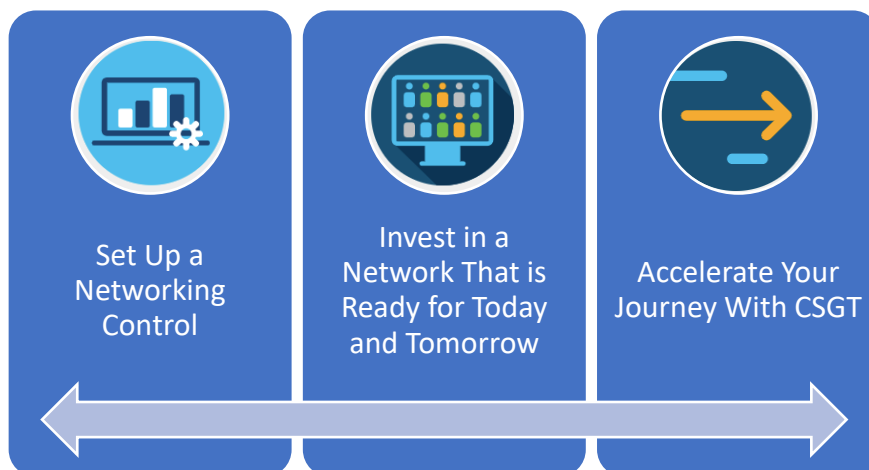

| Hands Free Provision | Enhance Business Resiliency | Use an Open Platform built for Network Integrations |

User Experience – To optimize user experience, an organization will need to minimize network downtime. But inadequate network visibility limits enterprise ability to anticipate future problems and troubleshoot known issues. An intent-based network design will allow organizations to ensure that the network is fully tuned and serving users as best it can.

| Turn Data Into Insights | Build an AI Foundation | Get Guidance on Remediation |

Cloud – Organizations today are increasingly migrating data and applications to private and public clouds and using software-as-a-service (SaaS) applications from a variety of providers. A well-defined, intent-based network architecture allows enterprises to quickly and securely scale WAN network to the cloud.

Connect Users Securely to Cloud Applications	Optimize the User Experience	Control WAN Costs
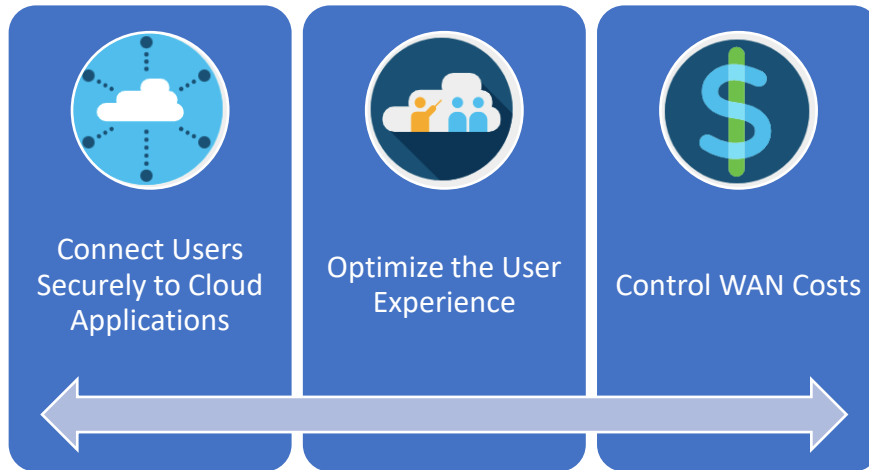
*Innovation i*s not easy when an organization is working with outdated processes and legacy systems that are not designed to cope with today's problems.

Set Up a Networking Control	Invest in a Network That is Ready for Today and Tomorrow	Accelerate Your Journey With CSGT

Read more here on how you can achieve enterprise resilience with the right network architecture.