GCX

DATA MADE SCALABLE

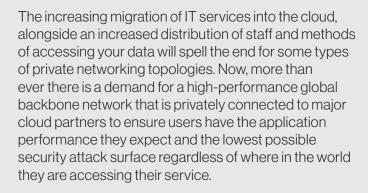# NETWORK UNDERLAYS

FACILITATING NETWORK CO-MANAGEMENT WHILST GLOBALLY OPTIMIZING NETWORK PERFORMANCE AND SECURITY.

The increasing migration of IT services into the cloud, alongside an increased distribution of staff and methods of accessing your data will spell the end for some types of private networking topologies. Now, more than ever there is a demand for a high-performance global backbone network that is privately connected to major cloud partners to ensure users have the application performance they expect and the lowest possible security attack surface regardless of where in the world they are accessing their service.

The evidence is clear, with one-third of enterprise workloads run in public clouds and nearly half run-in private clouds, there is an ever-increasing need for Direct Internet Access (DIA) and other network underlay technologies to underpin this growth in flexible connectivity. However, not all network underlays are the same and not all outcomes promised by new network overlays will be delivered without adherence to the key design and performance principles that only a global private network supplier can deliver.

With a proliferation of customer applications residing in SaaS, IaaS and datacentre locations, understanding how and where users access their data and the journey those services take to get there are fundamental to performance, sovereignty and security of our customer businesses.

Our solution is further enhanced by having managed demarcation devices that help to define your perimeter, provide additional diagnostics and will help accelerate fault finding and improve uptimes, all backed by a team who manage over 250 global carrier relationships, and so can deliver and support high quality solutions right across the globe.

The GCX Network underlay portfolio is designed to complement emerging advanced technologies like SDWAN and SASE alongside traditional WAN connectivity. Our unique co-management options ensure that our customers can manage enhanced services whilst having the peace of mind that their network is overlayed on an optimal, private managed backbone network infrastructure that delivers strong, predictable service levels.

THE GCX APPROACH

GCX recognise that our customers are looking for a more flexible approach to networking. With increasing demands on WAN capacity and the consumption of bandwidth capacity globally, the deployments and implementations of underlay access solution becomes imperative. The underlay service will be comprised of a number of factors:

- The actual access circuit – deployed and supported across our global footprint
- A demarcation device selected and designed for optimal performance and,
- Our supporting professional services available 24x7.

Optimizing user application performance:
By prioritising availability across diverse access paths – On the same or different access media (Wavelengths, Ethernet, Broadband, & LTE). This helps increase user productivity by optimizing cloud and on-premises application performance backed by real-time analytics, visibility, and control.

Simple, clear, visibility:
Our solution provides a fully centralized cloud-based management dashboard for security, networking, and application control across your entire WAN.

Cost effective network infrastructure:
Deploying cost effective underlay access circuits in combination with our underlay access device minimizes the expenditure over more expensive traditional network topologies.

Optimised overlay services on top of Underlay:
Customers benefit from implementing overlay technologies like SDWAN or route traffic to Secure Wan Gateways for browsing or accessing applications through cloud service providers like AWS, GCP, Salesforce, office 365 etc. on top of the underlay infrastructure.

FACILITATING UNDERLAY NETWORK BUILD

Our Agile Underlay solution can be provided as:

Fully managed service

A complete design, procure, build and operate of the network underlay alongside fully lifecycle management to ensure that we can flex and grow the underlay as you flex and grow your business.

Our solution combines, the skills of our consultants, our equipment vendors and our global and local carrier relationships to deliver a single managed package with simple SLAs and lifecycle flexibility options. This will save you time and cost on service deployment, and lifecycle support.

Circuit Procurement and Deployment

For those customers who want a single global supplier relationship for their network circuit infrastructure GCX offer a global circuit advisory, procurement, and management service, these are provided as an unmanaged service backed with a single global Service Level Agreement.

GCX

FEATURES AND CAPABILITIES

- GCX global presence ensures that GCX can deliver and support whenever, wherever. Brings Peace of mind to the customer
- GCX Global network backbone. Establishes superior connectivity and reach across the globe.
- GCX Professional services at every stage - consultancy, design, procurement, implementation, and support. Helps customer to stay ahead in the market competition and possess cutting edge technology achieving better performance matrix
- GCX world-class knowledge and experience in network procurement; worldwide. Helps our customers deliver services anywhere in the world
- Network joint-management option available to support customers existing infrastructure and meet interoperability requirements.
- Flexible commercial terms to well manage the economical expenses of the customer.

WHY CHOOSE GCX?

GCX provide a flexible range of global services across that GCX global backbone that can be as simple as assisting you to deliver and support your own self-build network through to providing a fully managed outsource service. These services are based on the data lifecycle which reflect the journey your data take from Collection to Processing and Analysis. Our solutions are backed by a team of expert consultants who can assist on every step of your data journey, whether it is design concerns like resilience or security, OEM and carrier selection, deployment, and management we are there all the way with approaches that adhere to best practices and are standards led wherever possible.

By delivering your service on a fully managed global network the majority of which is owned from the ground (or the sea) up, we have greater control over our network deployments and therefore shorter delivery times, shorter fix times putting you much closer to the control of your network. This global presence ensures that we can deliver and support whenever, wherever.