

# IP Transit

*Your Network, Accelerated*



Global Secure Layer

# Our solution

Global Secure Layer is a tier 2 network operator with an international Anycast infrastructure providing IP Transit. Our solution is a blend of tier one providers, global content networks and major peering exchanges. We focus on establishing direct interconnects and bilateral peering with numerous providers allowing us to achieve route optimised connectivity and a high level of diversity.

GSL provides a large range of industries including all levels of government, enterprises and ISPs with worldwide carrier-grade internet that is secured end-to-end with industry leading DDoS protection. We build our infrastructure with a redundant fibre backbone to meet the needs of our 24/7 connected world.

Our global network solution has been built on a world-class fibre network with a focus on low latency, resilience and scalability ensuring our customers stay globally connected.

## IP Transit key features

### **Arista core network**

Global Secure Layer provides a full featured Arista core network to ensure low latency and enterprise-grade routing.

### **Low latency focus**

Every aspect of our network from our Arista core to our peering partners and subsea cables are optimised to provide low latency globally.

### **Dual stack IPv4 & IPv6**

We have a dual stack network providing both IPv4 and the IPv6 transit across our network.

### **2000 plus network peers**

Global Secure Layer (AS137409), proactively peers with tier one and international network operators to ensure optimal routes for our customers.

### **Jumbo Frame (9000MTU)**

Our network supports Jumbo frames end-to-end.

### **Flexible billing options**

We provide flat-rate or burstable (95th percentile) pricing allowing for customer flexibility.



# Technical information

Service Details	Parametres
Data	Unlimited
Access Types	<ul style="list-style-type: none"> <li>• Direct cross connects in our PoP's</li> <li>• Fabric Services               <ul style="list-style-type: none"> <li>» Megaport VXC</li> <li>» Equinix EIE</li> <li>» IXAU VLL</li> <li>» Packet Fabric VC</li> </ul> </li> </ul>
Interface Speed	100Mbps - 100Gbps
Service Hand-Off	1G*, 10G, 25G**, 40G***, 100G***
Connection Options	<ul style="list-style-type: none"> <li>• Optical: Single Mode Fibre</li> <li>• Optical: NTU</li> </ul> <p><i>Additional details</i></p> <ul style="list-style-type: none"> <li>• <i>BiDi supported (diverse routers)</i></li> </ul>
IP Address	<ul style="list-style-type: none"> <li>• 1 x /31 IPv4 per service</li> <li>• 1 x /64 IPv6 per service</li> </ul> <p><i>Additional details</i></p> <ul style="list-style-type: none"> <li>• 2 x /31 IPv4 for BiDi</li> <li>• 1 x /29 IPv4 available ***</li> </ul>
BGP Peering	Global Secure Layer provides a BGP session by default
BGP Tables Types	<ul style="list-style-type: none"> <li>• Global - full</li> <li>• Domestic - full</li> <li>• Regional               <ul style="list-style-type: none"> <li>» APAC</li> <li>» America</li> <li>» Europe</li> <li>» Oceania</li> </ul> </li> </ul>
BGP Announcement Options	Announcement options covering port, city, state, country and region
DDoS Protection	<ul style="list-style-type: none"> <li>• Supplied by default (up to 40G)               <ul style="list-style-type: none"> <li>» RTBH also available</li> </ul> </li> </ul> <p><i>Additional details</i></p> <ul style="list-style-type: none"> <li>• We do not null peering exchanges ^</li> </ul>

# Technical information

Service Details	Parametres
<b>Billing Options</b>	GSL provides aggregated billing by region <ul style="list-style-type: none"><li>• Oceania</li><li>• APAC</li><li>• North America</li><li>• Europe</li><li>• Global</li><li>• International only (AU specific)</li></ul>
<b>Burst Options</b>	Available and configured as 2:1^^ with 95th percentile billing
<b>Diversity***</b>	Available <ul style="list-style-type: none"><li>• BiDi or multiple cross connects</li></ul>
<b>Technical Support</b>	Available 24/7 via the GSL portal
<b>SLA (Standard)</b>	99.95% (where service is delivered over direct cross connect)
<p>* NTU required ** Available in certain locations *** Additional cost involved ^ In some cases this may be required if it is negatively impacting upstream/downstream providers ^^ Additional burst ratios are available upon request (fees may apply)</p>	