

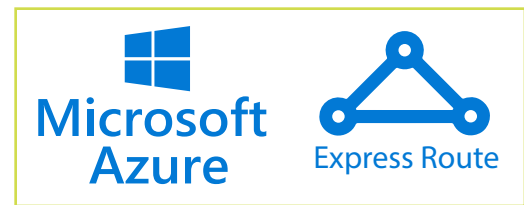


# TCloud Connect Product

● tech spec

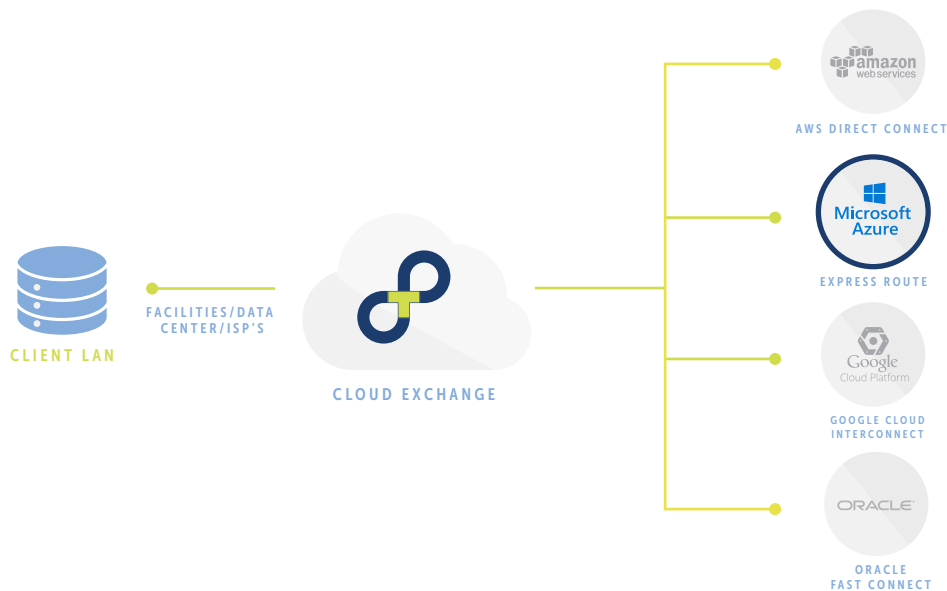
## Product Overview

This service called T Cloud is a direct connection or a private link to Microsoft Azure cloud Services with Azure Express Route. Transtelco offers TCloud service as a private connection through its private fiber optic network. Securely extending your on-premises network with a dedicated high bandwidth connection between your data center and Microsoft Azure Cloud Infrastructure.



## TCloud Benefits

- Fast and Secure: Get a **faster** and **more secure** connection to Microsoft Azure Cloud Infrastructure.
- Reliable : Get a redundant connection, so your traffic can quickly fail over in case of network failures
- Cost Effective: Pay less for predictable performance
- Easy: Connect your data center to Microsoft Azure Cloud Infrastructure in a few simple clicks



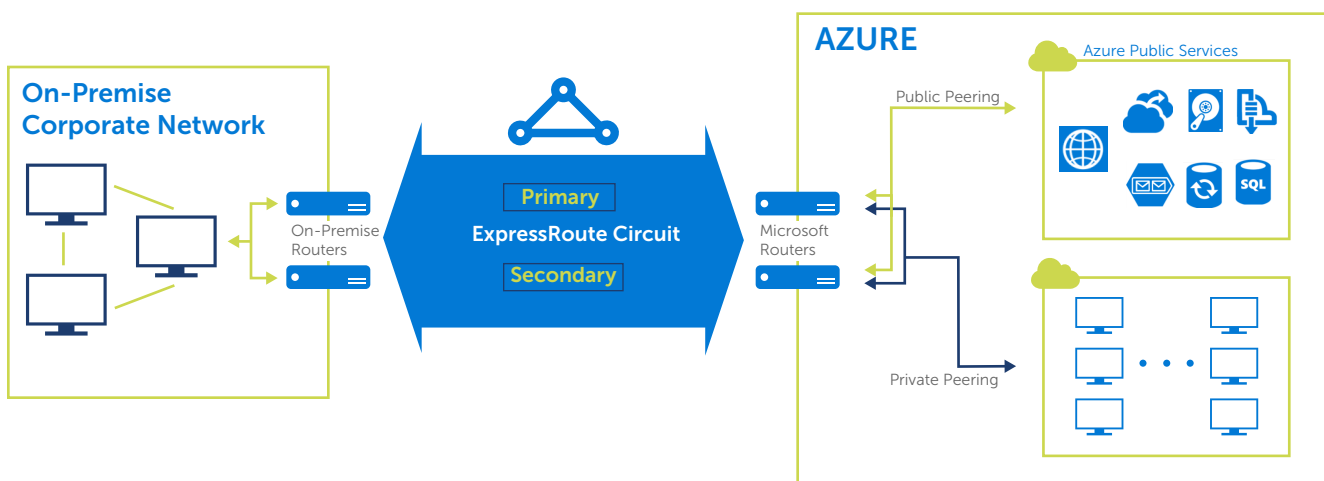
## Microsoft Azure Services

Cloud computing is a common term used for the delivery of hosted services provided through the Internet. There are three methods used to implement cloud computing: Infrastructure as a Service (IaaS), Software as a Service (SaaS), and Platform as a Service (PaaS). Cloud computing services can be private, public or hybrid. It provides primarily three business benefits:

- **Control** : It provides the freedom to spin up computing resources for almost any type of workload on-demand to the end users.
- **Scalability** : Organizations can easily scale up as per the increasing computing needs and then scale down again as demands decrease.
- **Security** : Azure provides peace of mind to users by protecting enterprise data migrated from on-premise applications to Azure Cloud Data Centers.
- **Pay per use** : The cloud resources are measured at a granular level, allowing users to pay only for the resources and workloads they use.

## What is Azure ExpressRoute?

Microsoft Azure ExpressRoute provides a dedicated private network connection between Microsoft data centers and on premises or a collocated environment. ExpressRoute is primarily a cloud integration solution that enables in establishing dedicated connections to Microsoft cloud services, such as Microsoft SQL Azure with on premises infrastructure / database.



## How is Azure ExpressRoute used?

ExpressRoute is used in scenarios that demand higher security, more reliability, faster speeds and lower latencies than typical on premises to cloud connections. Azure Express Route helps:

- Interconnect on premises, collocated and cloud infrastructures together
- Provide a secure, fast and dedicated network to copy data from local to cloud backup / DR facility.
- Build and deliver hybrid applications and infrastructure that connects and span over on premises and Azure Cloud infrastructure.
- Copy / transfer large virtual machines or servers between cloud environments

## Product Scope / TCloud Service

Transtelco through its nationwide fiber-optic network allows the connectivity of its customers from a point of demarcation the connection of a Router or Firewall to achieve the connectivity to the cloud. The connectivity or the scope of this contracted Tcloud connection goes from the perimeter router in your LAN to the entry point or virtual router in the cloud. There are standard transfer rates from 50 Mbps to 10 Gbps. It is also necessary to contract with the cloud provider the same transfer rate of access to the resources hosted in that data center.

### DIAGRAM OF SERVICE TOPOLOGY



## Levels of service offered by Transtelco

Transtelco offers its customers already connected their cloud connectivity service through its extensive national coverage of extended fiber. A point of demarcation It handles to convert the optical fiber to deliver copper and a layer 3 device such as a router or firewall performing direct logical connection to the cloud provider. This Layer 3 device performs a BGP connection for the exchange of networks that are to be advertised between the cloud and the client's local network. The additional capacity that a firewall offers is that it can encrypt the information transfer sessions between these networks through the network of the Tcloud service provider.

The technical service offered by Transtelco is limited to the LAN Perimeter Router / Firewall configurations to achieve connectivity with the virtual perimeter router in the cloud until networks are exchanged at both ends. Transtelco receives a direct Cloud service identifier tag which the client already generated when contracted it with its cloud provider. Within the connection configuration service, also thenew Cloud Networks must to be configured all those will be announced by BGP. The customer is responsible for its console service cloud and all resource costs staying in the same payment and transfer data to the local network cloud customer. Transtelco offers its customers a flat fee for a permanent connection to the cloud provider, this varies depending on the contracted bandwidth.

## Service Levels Agreement (SLA)

- 24 x 7 Support
- Availability 99.95%
- Low Latency
- Packet Loss <0.1%
- Link Delivery for 1 - 6 weeks

For more contracting information, contact our specialist staff who will support you with detailed explanations on how to achieve this direct interconnection and start to enjoy the benefits of an initial hybrid network to gradually migrate to a cloud system.



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