



Data Center Interconnect (DCI)

Interconnection service offered in layer 2 and layer 3 technology for Data transport between KIO Data Centers. This service runs in a multitenant infrastructure under a multicarrier interconnection ecosystem with a redundant design in equipment. This service also offers diverse routes of connectivity which gives a automatic scheme of failure reaction and giving a full guarantee of information transport for essential IT services.

Use case

- ▶ KIO offers the DCI link to create a logic connection between our KIO Data Centers.
- ▶ It offers a high availability option by connecting two ethernet connections in which the first one is for delivering a Lan to Lan service in an active mode and a second one in an stand-by mode for a redundant scheme.

Commercial

- ▶ Non-Recurring Charge (NRC): installation one-time charge.
- ▶ Monthly Recurring Charge (MRC): applicable monthly charge for DCI product.

Service Levels

- ▶ For a Single Home (SH) service 1+0: 90.0%
- ▶ For a Dual Home (DH) service 1+1: 99.95%

Technical specifications

Cabling

- ▶ 2 UTP wires Cat 6A and a RJ45 connector with a maximum of 90 m.
- ▶ Cabling Multimode optic fiber and LC connector for a distance longer than 90 m..

High Availability

Main and redundant services are delivered in different equipment, ports, cabling and trajectories.

Access ports

- ▶ Access port UTP CAT6 / Optic Fiber
- ▶ Speed of 1 Gbps and 10 Gbps

Switching

- ▶ Protocol IEEE 802.1d (Spanning Tree)
- ▶ Protocol IEEE 802.1q Service delivery in trunk mode..

Routing

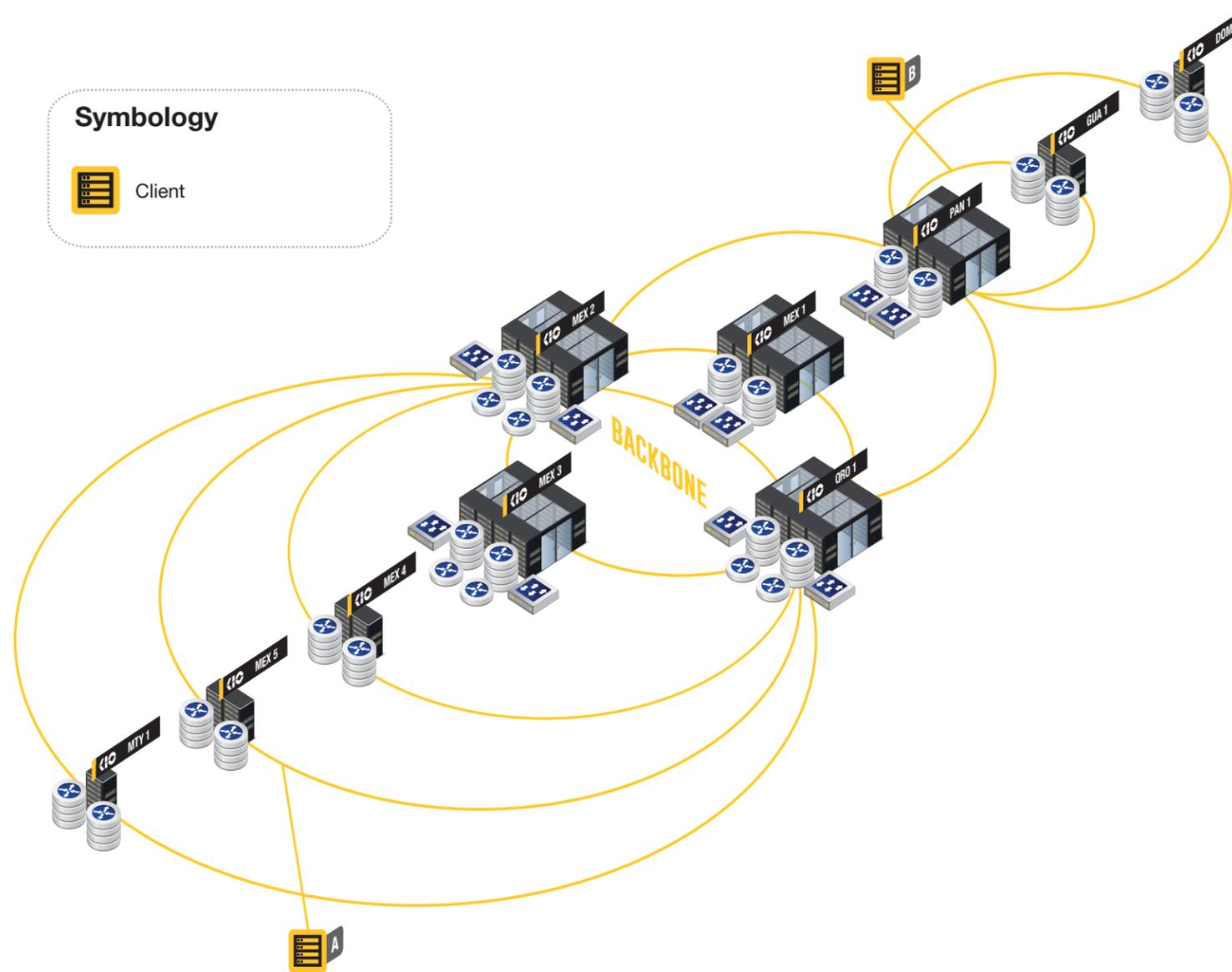
Compatibility with Gateway protocol redundancy.

Service availability

MEX|1, MEX|2, MEX|3, MEX|4, MEX|5, QRO|1, PA|1, GT|1, DO|1

Carrier diversity

Delta redundancy with external and internal links that brings several different routes in casa of a massive service drop or programmed maintenance activities.



Symbology



Client

Considerations

- ▶ Latency under an explicit customer request.
- ▶ IPv4 private addressing is assigned by the customer.
- ▶ Transceiver connectors for KIO equipment are not included in the cost and has to be requested by separate.
- ▶ Internet is offered as a single-home (SH) 1+0 as a base, that can be increased to a dual-home (DH) service.
- ▶ Cross-connect wiring is included.
- ▶ Availability and usage reports are included by request.