Dual–Core Connection

High Availability Connectivity with Full Redundancy for Mission-Critical Tasks

Benefits

- Zero interruption - ensures operational availability with near-zero downtime for mission critical class-level service connectivity

- Survives service provider outages above and beyond exchange diversity via dual core technology - full network redundancy using duallinks from two different telco infrastructure (NGN & Non-NGN) to avoid a single point of failure

- IP address independence - no reliance on service provider provided IPs as the solution is telco-neutral

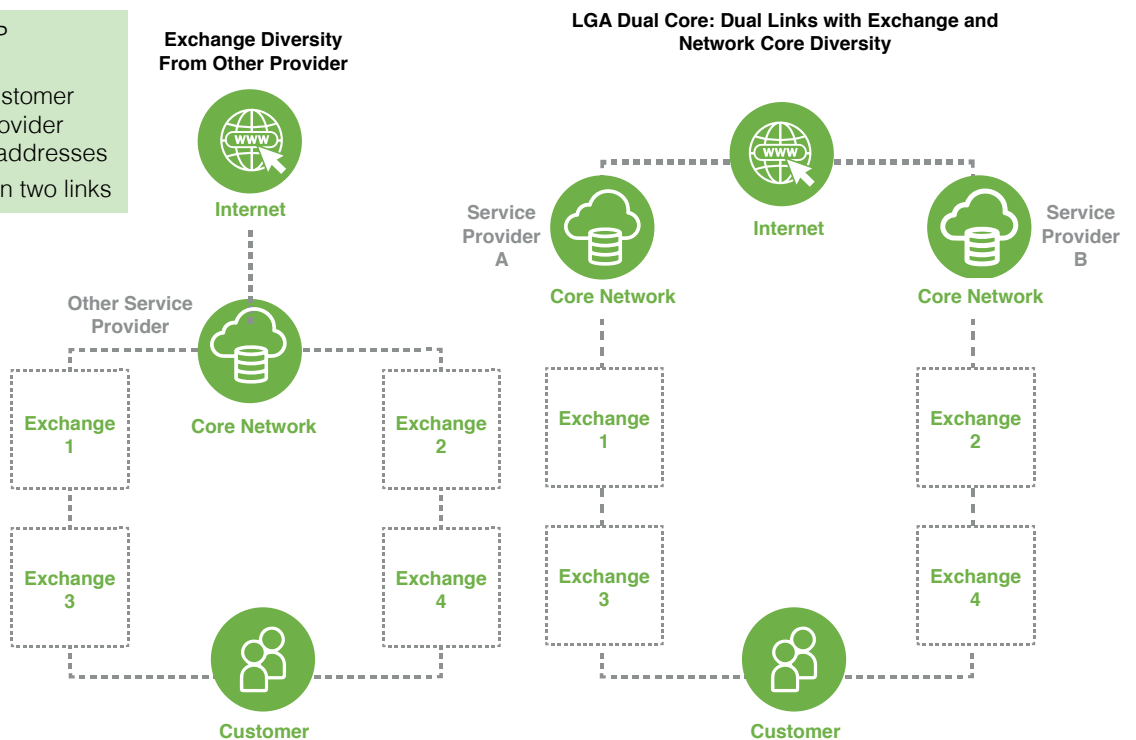- 24/7 line monitoring and notifications

Introduction

Network traffic to and from mission-critical businesses pass through today's service provider networks via many hops before reaching its destination. From data centers or last-mile HQs, to telco's central exchanges, to core backbone, to internet gateway or another destination, the failure of any part of the service provider network can result in an outage. Even exchange diversity does not take into account that other parts of the core network could fail.

LGA Dual-Core

LGA's Dual-Core is a telco-neutral solution where the internet/ intranet lines are provided from different telecommunication service providers. In the event when one telco (Service Provider A) faces a network outage, the traffic will be automatically rerouted to the other telco (Service Provider B). This architecture allows customer to switch between two service providers without changing IP addresses.

LGA's Dual-Core operates with two internet connectivity links (dual source) from different telcos, ensuring near-zero downtime in service connectivity and avoid a single point of failure.

- Telco-neutral static IP addresses
- Architecture allow customer to change service provider without changing IP addresses
- Active-active between two links

Exchange Diversity From Other Provider

Internet · Other Service Provider · Core Network · Exchange 1 · Exchange 2 · Exchange 3 · Exchange 4 · Customer

LGA Dual Core: Dual Links with Exchange and Network Core Diversity

Service Provider A · Internet · Service Provider B · Core Network · Core Network · Exchange 1 · Exchange 2 · Exchange 3 · Exchange 4 · Customer

Standard Features & Benefits

Full Network Redundancy

LGA's Dual-Core works on a well-covered system when it comes to operational efficiency. Backed by dual links from two different telco infrastructure service providers (NGN & Non-NGN), it eliminates the chances of single-point failures. This leads to nearly never-occurring network outage as downtime faced by one server has no impact on the other.

Auto Failover

Dual Core's auto-failover capability enables businesses to attain zero interruption in their network. In scenarios where one link is down, your business can still be connected to the internet using the other link so that mission-critical operations and applications are always up and running.

Scalable Bandwidth

As your business and network requirements continue to evolve, bandwidth is easily scalable to support data transmission across network connections.

Service Level Assurance (SLA)

LGA enables you with high performance, highly available internet lines with 99.999% SLA, ensuring a stable, resilient network connection.

Wide Coverage

The Dual Core technology provides a diversified and secure network coverage, including island-wide telco exchanges.

ABOUT LGA

In business for the last 25 years, LGA has been one of the top B2B Services-Based Operators (SBO). LGA's Headquarters is in Singapore with a regional presence, and as a System Integrator for Connectivity, CyberSecurity & Compute solutions, serving 2000 Enterprise, SME, regional and MNC customers. Our backbone is across multiple data centres, with our security and network operations team operating 24x7x365.

LGA is ISO/IEC 27001 certified and our key services include Mission-Critical Telco Diverse Circuits, Business Broadband, Cybersecurity SOCaaS, DDoS, WAF, Prevention of Confidential Data Loss security offering, Cloud Solution Provider for AWS, Azure, Co-Location, Mobile IoT and Edge Computing.

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