

METRO BRIEF

Singapore

Scaling Digital Business with data-centric architecture and connected community approach

INSIGHTS

Data Gravity inhibits enterprise workflow performance, raises security concerns, and increases costs, all complicated by regulatory requirements and other artificial constraints. It requires a connected community approach between enterprises, connectivity, cloud and content providers integrating core, cloud and edge at centers of data exchange, implementing a secure, hybrid IT and data-centric architecture globally at points of business presence.

CHALLENGES

Current backhaul architecture cannot address enterprise Data Gravity needs, including:

- Data exchange across multiple internal/external platforms
- Local data copies and ability to run performant analytics across each global point of presence

SOLUTION

To enable the ever-changing data, control and networking demands of global enterprises, a purpose-built solution is required. The data-centric architecture of PlatformDIGITAL[®] offers tailored deployments at any size and scale and right-sized connectivity options. The Singapore metro enables a robust, diversified, neutral connectivity platform with connectivity to key ecosystems with best-in-class connectivity gateways and capabilities.

SINGAPORE is a critical business and data hub for global enterprises with presence in the APAC region with its pro-business policies and diverse connectivity options.

200%

CAGR through 2024
Data Gravity Intensity Growth

DATA GRAVITY INDEX

DGx[™] quantifies and predicts the intensity and gravitational force of enterprise data growth across more than 50 metros globally. The patent-pending formula, measured in gigabytes per second, provides a relative proxy for measuring data creation, aggregation and processing.

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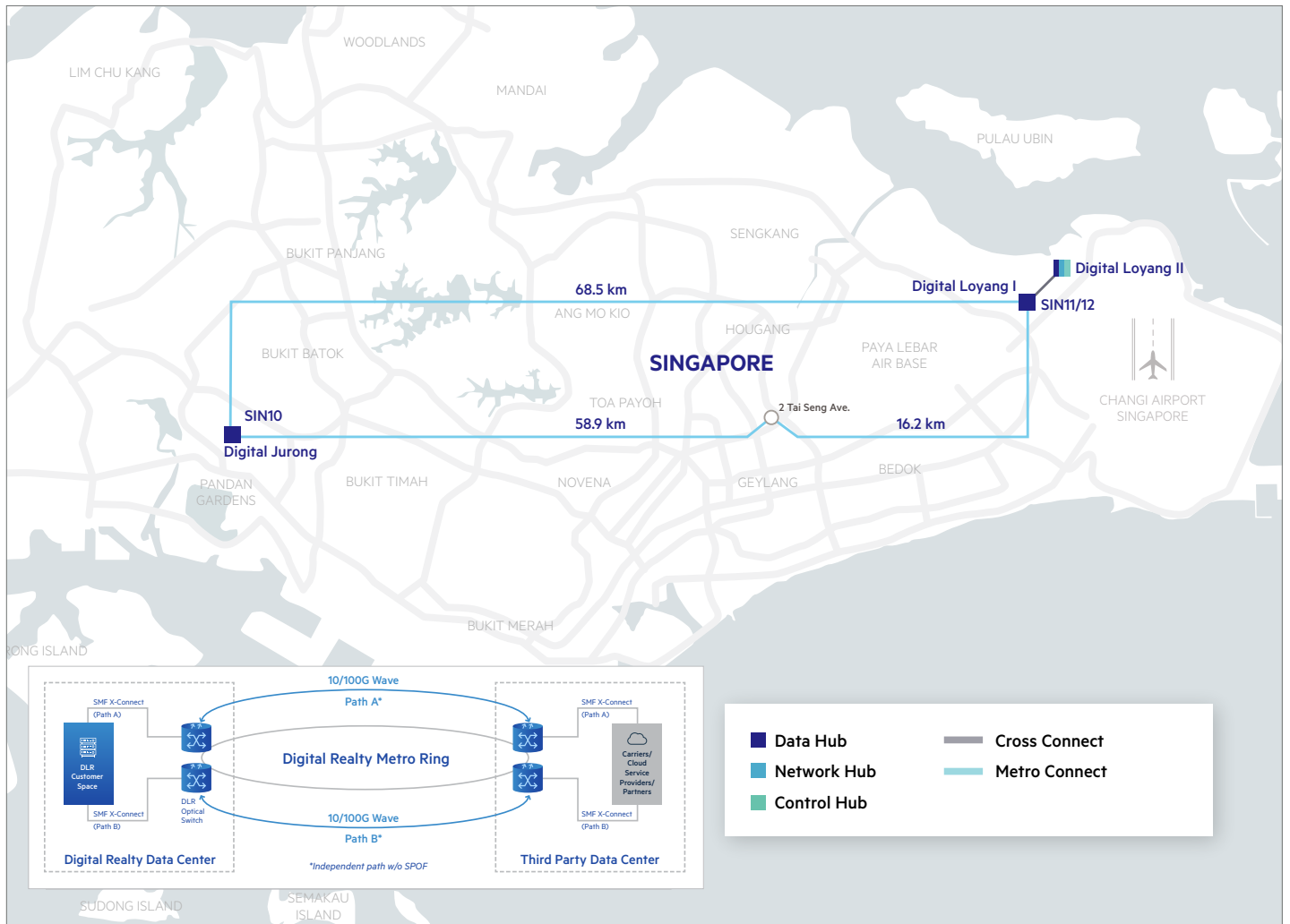
Data
Gravity
Index **DGx**

The largest global provider of multi-tenant data center capacity.*

*451 Research, Market Forecast, Leased Datacenter Global Providers, 2020. Capacity measured in terms of both the number of datacenters and operational square footage.

Singapore Connected Campus

Connectivity gateway for global enterprises



CONNECTIVITY ECOSYSTEM

Digital Realty's carrier neutral SIN data centers enable Enterprise customers to easily connect to carriers and cloud providers on campus. Leveraging the Metro Connect service from Digital Realty, Enterprises can further expand their connectivity ecosystem with access to 80+ service providers including all key global cloud service providers, global carriers, SDN and connectivity providers in 3rd party data centers in a simple and cost effective manner.

TECHNICAL DETAILS

| | Wave | Ethernet |
|--|---|----------------------|
| Speed | 10Gbps/100Gbps | 100Mbps/1Gbps/10Gbps |
| Optics | 1310nm SMF LR (10km) | 1310nm SMF LR (10km) |
| Optics (100G) | 1310nm SMF LR4 (10km) | NA |
| Connector | SC/LC | SC/LC |
| Jumbo Frame Support | Yes | Yes |
| MTU | 9600 Bytes | 9100 Bytes |
| VLAN Tagging | Yes | Yes |
| Q-in-Q with multiple Ethertypes | Yes | Yes |
| Line side failover protection | No but fully diverse paths can be ordered | Yes (<50ms) |

Request virtual or on-site tours

Learn more about PlatformDIGITAL® at www.digitalrealty.com/platform-digital

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