Network Hub
Oracle FastConnect

Rewire the Network

Digital Business requires the right enterprise network architecture, one that is localized at global points of business presence, consolidates traffic flows and end point management into network hubs and implements direct interconnection with networks, business partners and cloud providers such as Oracle and others.

This architecture reduces latency and increases throughput, necessary to support the exploding volume and highly interactive traffic behaviors of digital business workflows. This brings users, systems, and the network to the data, hich removes barriers of data gravity and creates centers of data exchange to scale digital business.
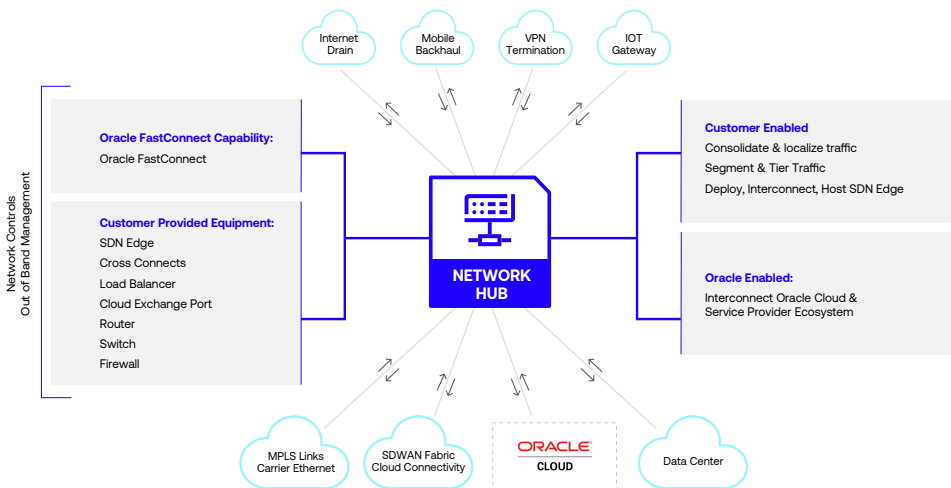
Network Hub featuring Oracle FastConnect at a glance

The Network Hub featuring Oracle FactConnect enables customers to implement Oracle's cloud connectivity and hybrid solutions at centers of data exchange globally on PlatformDIGITAL® to scale digital business.

Fig 1. PlatformDIGITAL® + Oracle FastConnect Solution Model

Key benefits

- Bypass the public internet and connect privately to Oracle Cloud infrastructure

- Performant low latency connectivity between PlatformDIGITAL® and Oracle Cloud

- Secure data exchange of sensitive data between PlatformDIGITAL® and Oracle Cloud

- Fast, reliable and cost effective backup of large volume data sets between PlatformDIGITAL® and Oracle Cloud

- Enable Hybrid IT with Oracle Cloud

- Low latency access from Oracle Cloud to Azure, AWS and GCP for a seamless multicloud user experience

Enable Centers of Data Exchange with Oracle FastConnect

By deploying Network Hubs on PlatformDIGITAL®, enterprises create centers of data exchange to scale distributed workflows. These centers of data exchange are an ideal meeting place to securely interconnect Oracle Cloud and make possible new hybrid IT workflows spanning multiple clouds, networks and data centers.

To enable this, Digital Realty has integrated Oracle FastConnect as part of the PlatformDIGITAL® Network Hub solution. This unified solution implements direct interconnection from PlatformDIGITAL® to Oracle Cloud, uniquely enabling secure and performant exchange of sensitive data between the platforms.

As a result, enterprises can extend their networks to Oracle Cloud with higher-bandwidth options, and a more reliable and consistent networking experience compared to internet-based connections and enable performant data flow between Oracle and other CSPs.

Platform**DIGITAL**®

Starter Kits at a Glance

Get started quickly with the pre-packaged Network Hub + Oracle FastConnect solution configuration based on deployment size and best practices to accelerate deployment and results.

Network Hub Feature Set

- Secure colocation for network footprint (expandable)
- Redundant connectivity to carriers, multiple clouds and partners
- Global access to operational environment via portal/APIs
- Cabinet Installation and remote hands services
- Industry Standard Compliance
- Performant connectivity from your Oracle cloud to Azure, AWS, GCP and other leading Iaas, Paas, and Saas providers

Oracle FastConnect Feature Set

- Enterprise grade security with a connection completely removed from the public internet
- Deterministic latency and throughput
- Access into 15 different Oracle Cloud regions via Physical or Virtual connections
- Private and Public peering options for accessing Oracle Cloud

Network Hub Starter Kits and Oracle FastConnect

Each turnkey bundle includes the necessary components and services to rapidly plan, deploy and scale your Network Hub + Oracle FastConnect. The pre-configured solution accommodates a typical enterprise deployment of a Network Hub + Oracle FastConnect to provide secure and resilient connectivity without public internet exposure, while supplying consistent throughput and deterministic latency for mission critical workloads.

Network Hub Oracle FastConnect Starter Kit Configuration Details

*Additional features available as add-ons for an incremental fee.

#	Component	Purpose
1	Private Cage	Security (secure physical isolation)
2	Network Hub Cabinets	Capacity (fit for purpose)
3	ServiceFabric™	Direct Connectivity (physical)
4	Cloud Connect Ports	Performant Connectivity to Oracle Cloud (virtual)
5	Card Reader	Security (secure physical access)
6	Installation & Fit Out Services	Design/Install (speed to deploy)
7	On-site Assistance	Move/add/change (ease to maintain)

| Component*	Intro Kit	Small	Medium	Large	X-Large
Customer Cabinets	1	4	8	12	16
Cross Connects	3	6	12	12	24
ServiceFabric™ Ports	2	2	2	2	2

*Custom configurations available

Why Oracle FastConnect and Digital Realty

Oracle FastConnect ensures the security of sensitive data to and from the Oracle Cloud. With a dedicated network connection, your transfer rates are fast, consistent and reliable.
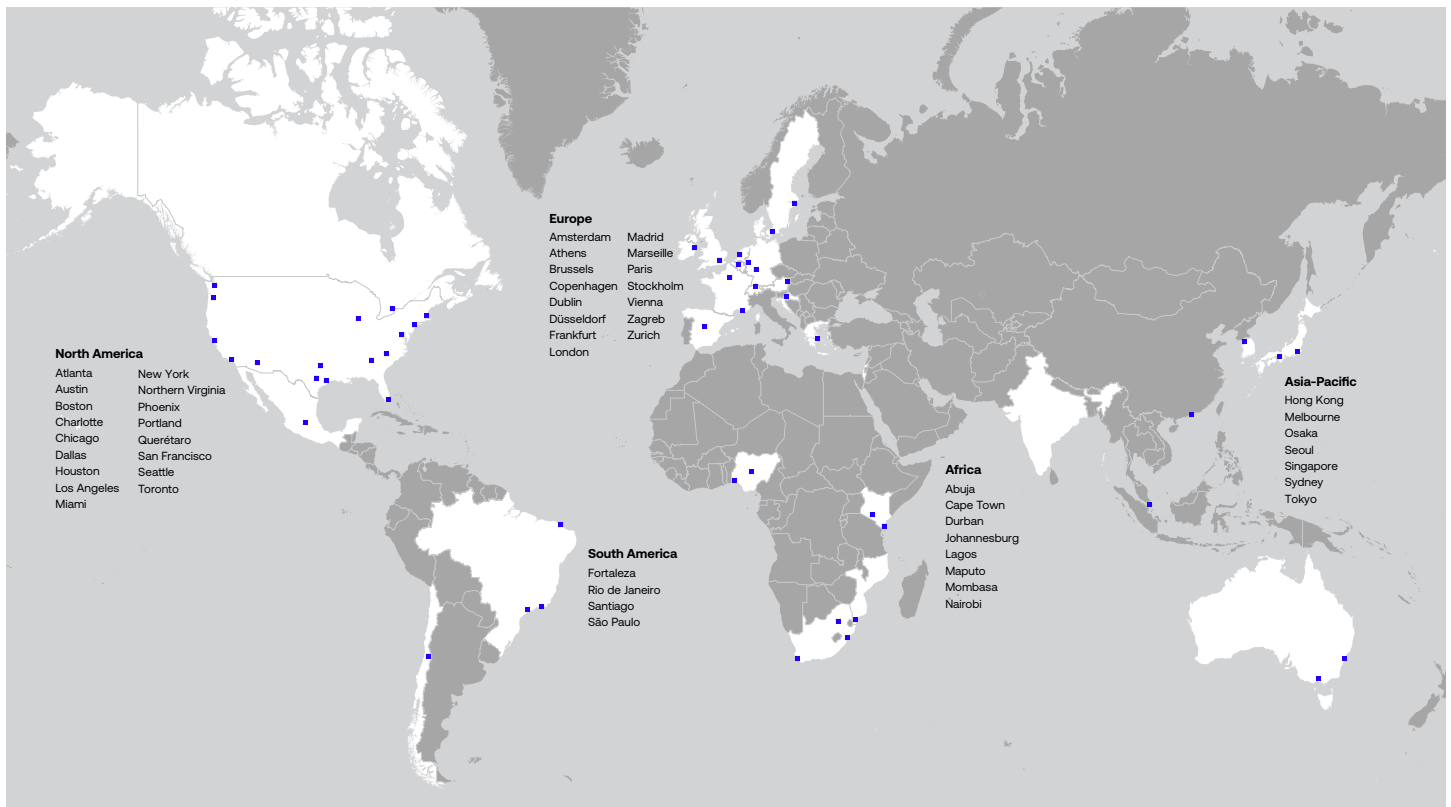
Digital Realty provides PlatformDIGITAL®, the single global data center platform to solve global coverage, capacity, connectivity and multicloud adjacency needs by bringing the users, things, networks and clouds to the data to remove data gravity barriers and scale digital business.

Network Hub Reference Architecture
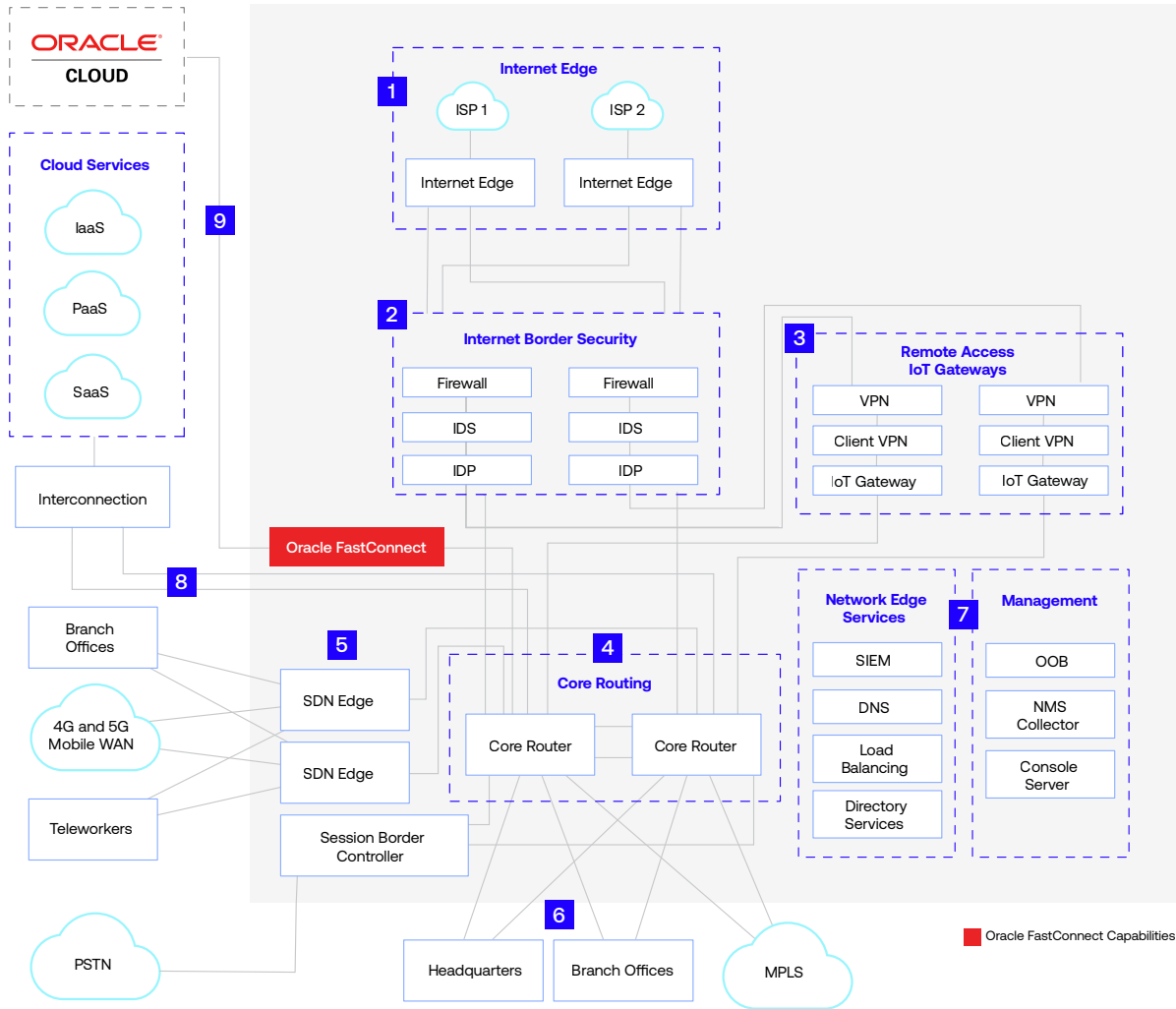
1. Multiple ISPs and Internet Exchanges are connected to edge routers to provide redundant internet access to the customers environment.

2. Enterprise security stack is deployed to border between the enterprise network and internet resources.

3. IoT, VPN, and Client VPN devices are deployed behind the enterprise security stack to provide gateway services to remote devices, users, and partners.

4. Network Core layer provides enterprise routing and segmentation. Highly scalable data center routing and switching platform ties all enterprise resources together.

5. Tie remote locations and users to the enterprise using reliable and cost effective network solutions such as broadband internet, cellular (4G or 5G), or other WAN technologies.

6. Leverage services such as carrier ethernet to tie remote locations as well as headquarter locations to the Network Hub. Also continue to leverage MPLS network for applicable sites or as part of the migration strategy.

7. Critical applications services can be located inside of the Network Hub to reduce latency and provide a distributed architecture for these services.

8. Leverage PlatformDIGITAL® cloud adjacency by connecting to a cloud ecosystem of leading IAAS, PAAS and SAAS providers to enable successful hybrid and multicloud deployments.

9. Virtual or direct interconnection from PlatformDIGITAL® to Oracle Cloud provides secure and performant exchange of sensitive data between the platforms.

Data Center Solutions When and Where You Need Them

Europe
Amsterdam	Madrid
Athens	Marseille
Brussels	Paris
Copenhagen	Stockholm
Dublin	Vienna
Düsseldorf	Zagreb
Frankfurt	Zurich
London	

North America
Atlanta	New York
Austin	Northern Virginia
Boston	Phoenix
Charlotte	Portland
Chicago	Querétaro
Dallas	San Francisco
Houston	Seattle
Los Angeles	Toronto
Miami	

South America
Fortaleza
Rio de Janeiro
Santiago
São Paulo

Africa
Abuja
Cape Town
Durban
Johannesburg
Lagos
Maputo
Mombasa
Nairobi

Asia-Pacific
Hong Kong
Melbourne
Osaka
Seoul
Singapore
Sydney
Tokyo

Learn more

P 877 378 3282
E platformdigital@digitalrealty.com
www.digitalrealty.com/platform-digital

About Digital Realty

Digital Realty brings companies and data together by delivering the full spectrum of data center, colocation and interconnection solutions. PlatformDIGITAL®, the company's global data center platform, provides customers with a secure data meeting place and a proven Pervasive Datacenter Architecture (PDx™) solution methodology for powering innovation and efficiently managing Data Gravity challenges. Digital Realty gives its customers access to the connected data communities that matter to them with a global data center footprint of 310+ facilities in 50+ metros across 25 countries on six continents. To learn more about Digital Realty, please visit **digitalrealty.com** or follow us on **LinkedIn** and **Twitter**.

Disclaimer

DIGITAL REALTY™