ServiceFabric™ Connect

Data Sheet
ServiceFabric™
Connect

Overview
Digital Realty’s ServiceFabric™ is a global service delivery platform that provides a seamless, on-demand suite of wide-ranging services. ServiceFabric™ Connect is the initial service, which provides management, visibility and connectivity to global cloud, network providers and business partners. This service seamlessly interconnects workflow participants, applications, multiple clouds and ecosystems to support the exploding volume of data and interactive traffic of digital business workflows and use cases.

Connectivity Use Cases

Enterprise
- Multi-Site Network Hubs
- Cross-Region Private Data Transfer
- Fabric Access to Public Cloud

Network Service Providers
- Edge
- Transit
- Remote PoPs

Cloud Service Providers
- Remote Customer Access
- Cloud to Cloud Connectivity
- Virtual PoPs

Business Partners
- SaaS
- Suppliers

Key Attributes*

Connected
- Broad ecosystem of carrier & cloud neutral service providers, suppliers and business partners

Secure
- Network segmentation and private backbone ensure security

Resilient
- Fully redundant hardware, power distribution, 99.9% single port availability, 100% redundant port availability, network diversity and 24x7 NOC/Global Command Center Operations

Extensible
- Scale deployments up and out with flexible consumption models

Performant
- Purpose built for low latency and high throughput

Key Benefits

✓ One port to connect to Anyone, Anywhere, at Anytime, through a global platform
✓ “On-Ramp” to new services and innovation, quickly connect to new services provided by cloud, SaaS and partners
✓ Integrated security through network segmentation and private connections that bypass the public internet
✓ Bandwidth on-demand, simply and rapidly provision any-to-any connectivity to anywhere at any time
✓ Flexible billing, scaled up and down bandwidth based on your business needs with no long-term commitments

At-a-Glance

Purpose-built product for cost effective interconnections to global data centers, cloud service providers, network service providers and business partners with a single secure interface

*Slight Key Attributes and anticipated benefits above are subject to the disclaimers in this document and the ServiceFabric terms and conditions published and agreed to by Digital Realty.

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**ServiceFabric™ Connect**

**How it Works**

Deployed in PlatformDIGITAL’s global campus facilities, a ServiceFabric™ Connect Port allows the customer to establish numerous Layer 2 or Layer 3 virtual private connections to multiple cloud service providers, network providers, SaaS providers and other providers from a single interface. Interconnections support both Metro (metropolitan area) and InterCity (between distant locations) connections.

The ServiceFabric™ Connect Virtual Router (vRouter) allows customers to connect via Layer 3. The vRouter joins two or more independent connection services into a single routing domain, providing connectivity between all of the connections attached to the vRouter.

ServiceFabric™ Connect connections join two or more locations together within a metropolitan area or between distant locations using Digital Realty’s global high-speed backbone.

**Orchestration Layer**

- APIs
- Portal
- Advanced Services
- Integrated Services

**Connection**

- Layer 2 Connectivity Port-to-Port
- Layer 2 Connectivity Port-to-Cloud
- vRouter
- Layer 3 Connectivity vRouter-to-Cloud
- Layer 3 Connectivity Cloud-to-Cloud

**Ecosystem**

- Megaport
- Network Service Providers
- Cloud Service Providers
- Future

**Interface**

Interact with the platform via the standard portal or programmatically via API. API interface allows integration into existing workflows and orchestration tools.

**Advanced Services**

New service offerings, such as Network Function Virtualization (NFV), decouple software function from hardware, accelerating delivery of network functions and applications.

**Connectivity**

Flexible connectivity options allow connections from any-to-any, and any-to-many. Reach spans from Metro to InterCity with connectivity targets including self, clouds, partners, customers, and service providers.

**Ecosystem**

ServiceFabric™ Connect seamlessly interconnects workflow participants, applications, multiple clouds, and ecosystems to support the exploding volume of data and interactive traffic of digital business workflows and use cases.
Figure 3. PlatformDIGITAL® ServiceFabric™ Connect Availability Map as of June 2022. Note: Offerings may vary based on market-specific attributes and options.
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.