

# ServiceFabric™ on Platform**DIGITAL**® 2.0

## Product Family Guide

# ServiceFabric™ on PlatformDIGITAL®

As the largest provider of data center colocation services globally<sup>1</sup>, Digital Realty has an unmatched footprint. Transforming these centers of data into connected data communities requires a new approach. ServiceFabric™ is the realization of the vision for a fabric of fabrics that will serve as a global service delivery platform. A family of products, ServiceFabric™ provides a range of seamless, on-demand services. Connect your centers of data exchange today with ServiceFabric™ at PlatformDIGITAL®.

<sup>1</sup>451 Research, *Market Forecast: Leased Datacenter Global Providers*, 2020. Capacity measured in terms of operational square footage.



## 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.

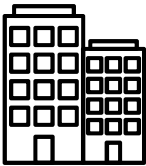
Digital Realty gives its customers access to the connected communities that matter to them with a global data center footprint of 300+ facilities in 50+ metros across 25+ countries on six continents.

To learn more about Digital Realty, please visit [digitalrealty.com](https://digitalrealty.com) or follow us on **LinkedIn** and **Twitter**.

# Who should use ServiceFabric™?

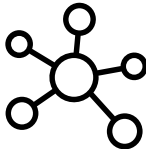
ServiceFabric™ supports Enterprise and Service Provider use cases. It provides easy ordering, provisioning and service instantiation within an intuitive user interface.

**ServiceFabric™ helps deploy:**



## Enterprises

- Remote Locations
- New Locations
- Hybrid Cloud
- Cloud Interconnections
- Partner Connectivity



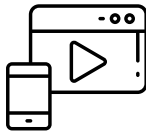
## Network Service Providers

- Extended Edge Footprints
- Alternative Transit Routes



## Cloud Service Provider

- Connect into Customer-Local Deployments (e.g. Azure Stack, AWS Outpost)
- Extend Footprint



## Content Providers

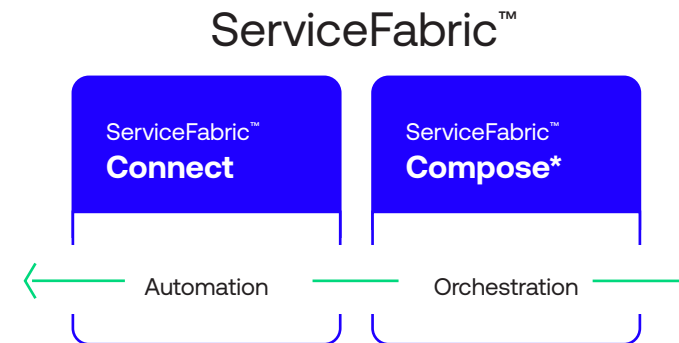
- Extended On-Ramps
- Content Closer to End-User

# ServiceFabric™

**Digital transformation and the challenges that Data Gravity poses require companies to shift their business and IT architectures, putting data at the center. ServiceFabric™ is a global orchestration platform that provides a suite of on-demand services.**

ServiceFabric™ is comprised of two product lines that customers can integrate directly into their IT Services Management (ITSM) framework to manage and monitor their infrastructure. Each product line is a standardized product with packaged options that can be customized to accommodate variable customer requirements.

An open fabric of fabrics, ServiceFabric™ is a data-centric, multi-platform internetworking service that can connect global centers of data and will be extended to provide intelligent orchestration to integrate an open ecosystem of partner offers. This enables the shortest time to a secure, operational environment for IT deployments.



# ServiceFabric™ Product Family

**Availability**

**Function**

**Purpose**

**Use Cases**

ServiceFabric™ Connect	ServiceFabric™ Compose*
Now	Future
Any to Any Distributed Network Connectivity	Workload Management, Service Chaining
Multi-Location/Multi-Platform Global Connectivity	Orchestration of Workloads
<ul style="list-style-type: none"><li>• Enable SDN-based services</li><li>• Distribute interconnectivity and edge networking</li><li>• Connect an open ecosystem of partners</li></ul>	<ul style="list-style-type: none"><li>• Instantiating virtual appliance instances resources</li><li>• Network Function Virtualization (NFV) service chaining</li><li>• Reducing need for direct supplier procurement, accelerating time to market</li></ul>

# ServiceFabric™ Connect

**ServiceFabric™ Connect is a software-defined interconnection service that is pre-engineered to PlatformDIGITAL® network hubs.**

Purpose-built for rapid activation and scaling up and down bandwidth based on business needs, ServiceFabric™ Connect can be engineered to provide cost effective solutions without compromising performance or latency.

ServiceFabric™ Connect is deployed across Digital Realty’s global data center footprint, providing dense connectivity across an open ecosystem of providers.

## ServiceFabric™ Product Family

ServiceFabric™ Connect	ServiceFabric™ Compose*
<b>What is It</b>	Software-defined many-to-many interconnection service
<b>When is it Used</b>	<ul style="list-style-type: none"><li>• Connecting metropolitan (Metro) sites</li><li>• Interconnecting to distant (Intercity) locations</li><li>• Direct connections via on-ramps to Cloud &amp; Network Service Providers</li><li>• Connecting an open ecosystem of partners</li></ul>
<b>How it Helps</b>	<ul style="list-style-type: none"><li>• Connect based on network layer preference (L2 or L3)</li><li>• Interoperability with our full spectrum colocation suite</li><li>• Tune bandwidth based on business needs, as-a-Service consumption model</li></ul>
<b>Who it Helps</b>	<ul style="list-style-type: none"><li>• Enterprises deploy network hubs</li><li>• Cloud Providers deploy their stack into customer-owned deployments</li><li>• Network Providers deploy access nodes</li><li>• Content Providers deploy distribution nodes</li></ul>

\* Under development, roadmap subject to change. Content regarding ServiceFabric™ Compose includes forward-looking statements.

# ServiceFabric™ Compose\*

**ServiceFabric™ Compose services, which are currently under development, are expected to provide an intelligent orchestrator, allowing the rapid creation and management of IT infrastructure, reducing overall complexity and visibility challenges.**

Built for flexibility, ServiceFabric™ ties together all the orchestration capabilities needed to provide customers the ability to stitch disparate services together seamlessly, bridging both physical infrastructure and virtual services.

ServiceFabric™ Compose services are expected to maximize the operator’s visibility of hardware and software assets, allowing better control and the ability to identify potential impacts from configuration changes. These capabilities should provide Enterprises with simple creation and operation of new Hybrid IT services.

## ServiceFabric™ Product Family

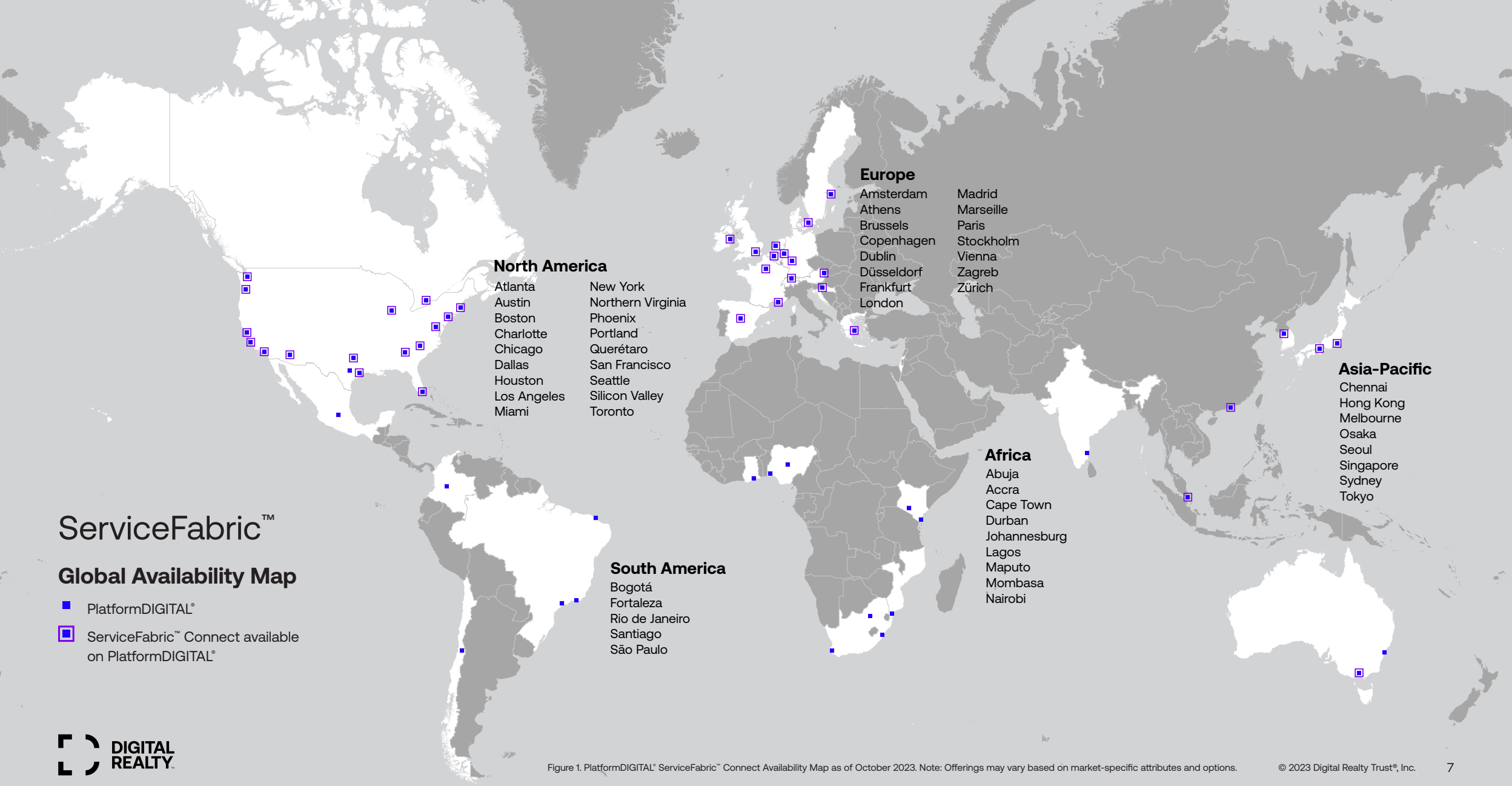
ServiceFabric™ Connect	ServiceFabric™ Compose*
<b>What is It*</b>	Orchestration, Workload Management, Service Chaining
<b>When is it Used*</b>	<ul style="list-style-type: none"><li>• Creating and managing complex service chains across diverse physical and virtual infrastructures with a single orchestration platform</li><li>• Automating network workflows and other low-level tasks</li><li>• Rapidly updating policy controls across infrastructure</li></ul>
<b>How it Helps*</b>	<ul style="list-style-type: none"><li>• Allows operator to make better informed choices regarding cost, resilience, location, and performance</li><li>• Reduces OPEX through automation</li><li>• Decreases human errors and reduces potential for outages</li><li>• Reduces configuration errors</li></ul>
<b>Who it Helps*</b>	<ul style="list-style-type: none"><li>• Enterprises deploy services and service combinations across connectivity, appliances, and resource pools globally from a single orchestration tool</li><li>• Enterprise Operation Managers understand configuration changes and impact</li><li>• Network teams deploy software-defined virtualized network functions (VNFs)</li><li>• Any organization instantiates complex services &amp; configuration templates</li></ul>

\* Under development, roadmap subject to change. Content regarding ServiceFabric™ Compose includes forward-looking statements.

ServiceFabric™

Global Availability Map

- PlatformDIGITAL®
- ServiceFabric™ Connect available on PlatformDIGITAL®



North America

- |             |                   |
|-------------|-------------------|
| Atlanta     | New York          |
| Austin      | Northern Virginia |
| Boston      | Phoenix           |
| Charlotte   | Portland          |
| Chicago     | Querétaro         |
| Dallas      | San Francisco     |
| Houston     | Seattle           |
| Los Angeles | Silicon Valley    |
| Miami       | Toronto           |

South America

- Bogotá
- Fortaleza
- Rio de Janeiro
- Santiago
- São Paulo

Europe

- |            |           |
|------------|-----------|
| Amsterdam  | Madrid    |
| Athens     | Marseille |
| Brussels   | Paris     |
| Copenhagen | Stockholm |
| Dublin     | Vienna    |
| Düsseldorf | Zagreb    |
| Frankfurt  | Zürich    |
| London     |           |

Africa

- Abuja
- Accra
- Cape Town
- Durban
- Johannesburg
- Lagos
- Maputo
- Mombasa
- Nairobi

Asia-Pacific

- Chennai
- Hong Kong
- Melbourne
- Osaka
- Seoul
- Singapore
- Sydney
- Tokyo

Figure 1. PlatformDIGITAL® ServiceFabric™ Connect Availability Map as of October 2023. Note: Offerings may vary based on market-specific attributes and options.

# New Product Family, One Global Platform

PlatformDIGITAL® – the global data center and connectivity platform interconnecting ecosystems and hosting critical infrastructure.

The ServiceFabric™ product family enables all customers to interconnect and securely host their critical infrastructure and data sets.

- Simplify infrastructure delivery by standardizing on a single global data center platform
- Differentiate business agility by shortening the time to connect to what matters
- Enable revenue growth by adding capabilities locally and accessing new markets globally

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