Optimizing Financial Services Data Exchange

Data-Driven Digital Transformation

A PlatformDIGITAL® Pervasive Datacenter Architecture (PDx®)

SOLUTION BRIEF
Over our 15+ year history, we have assembled the largest global platform of multi-tenant data center capacity\(^1\) while operating the world’s second-largest carrier-neutral interconnection platform.\(^2\)

We are privileged to serve more than 4,000 customers across 23 industries, representing some of the largest and most innovative companies globally.\(^3\)

These customers continue to solve the most complex infrastructure, connectivity and workflow use cases across technologies like network peering, hyperscale, low-latency, HPC/Big Data and artificial intelligence. Additionally, we witnessed a growing trend among multi-national customers, each deploying and connecting large private data infrastructure footprints across multiple global sites. This drove us to understand more.

We conducted research, built a global database and cracked the code on how to measure, quantify and forecast the growing intensity of the enterprise data creation lifecycle and its gravitational impact on IT infrastructure. We published our findings as the Data Gravity Index™ (DGx), an annual report to facilitate industry dialogue and assist our Enterprise and Service Provider customers as they shift their infrastructure strategies to address the challenges Data Gravity presents.\(^4\)

Today, we are taking the next step by publishing our “Pervasive Datacenter Architecture (PDx®) Solution Brief – Optimizing Financial Services Data Exchange,” – a solution strategy for Financial Services (FinServ) companies to address both industry-specific business challenges and overcome Data Gravity barriers.

This solution brief provides FinServ business and technology leaders with a codified strategy and solution approach to implement data-driven digital transformation, obtain competitive advantage and unlock new growth opportunities.

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2. Synergy Research Group; Second largest carrier neutral interconnection global.
Strategy Model – Optimizing Financial Services Data Exchange

**Growth & Competition**
- Ongoing margin pressures
- Implementing data monetization
- Competing with FinTech firms

**Complexity & Cyber Risk**
- Changing customer preferences
- Addressing advanced and persistent threats
- Growing fraud losses

- Finding Alpha through AI
- Investing in ESG and alternative data
- Investing and banking with artificial intelligence (AI)

**Regulations & Compliance**
- Continuing regulatory deluge
- Shifting data-centric regulations
- Unrelenting cyber threats

**Mergers & Acquisitions**
- Achieving scale by consolidation
- Diversifying in adjacent Lines of Business (LOBs)
- Acquiring of FinTech disruptors

**Data-driven business strategies**
- Enriching the banking experience
- Protecting customer privacy
- Calculating credit and fraud risk with artificial intelligence (AI)

- Dynamic omni-channel data creation/usage
- Proper data ingress/egress controls
- Being AI/Machine Learning (ML) ready
- Global FinServ Data Gravity

**Data infrastructure barriers**
- Alternative execution venues
- Proper data ingress/egress controls
- Being AI/ML ready
- Global FinServ Data Gravity

**How optimizing data exchange strategy helps**
- Differentiates banking experience
- Secures data near the customer
- Localizes AI-augmented risk and fraud
- Enforces local data compliance

- Differentiates trading strategies
- Secures third-party data integration
- Localizes AI-based investment banking interactions
- Enforces local data compliance

- Differentiates advisory experience
- Secures third-party data integration
- Localizes AI-based insights and support
- Enforces local data compliance

- Differentiates insurance experience
- Secures third-party data integration
- Localizes AI-based products and services
- Enforces local data compliance

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The digital economy is remaking FinServ organizations, transforming how they create and deliver value.

To succeed, FinServ organizations require a business platform that operates ubiquitously, and on-demand, augmented by real-time intelligence to best serve customers, partners and employees via digitally-enabled interactions across all channels, business functions and points of business presence.

Enabling this business platform requires a data-centric infrastructure architecture designed to:

• Defy Data Gravity
• Secure data near the customer
• Enforce data compliance
• Be compatible with AI architecture

When implemented on PlatformDIGITAL®, FinServ companies can realize their target state architecture, optimize data exchange and achieve unique value including:

• REDUCING RISK – with a secure data exchange
• LOWERING COSTS – with a reduction in bandwidth and duplicated infrastructure
• GROWING REVENUE – through unbounded data analytic performance
Global Data Gravity Intensity Forecast:
Financial Services

146%
CAGR growth through 2024

Learn more
datagravityindex.com

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2024 Forecasted Data Gravity Intensity

Very High: > 10 gigabytes/second
High: 1 - 10 gigabytes/second
Moderate*: 1 megabyte - 1 gigabyte/second

*Moderate is limited to the top 10 of this category for readability

Fig. 18. Digital Realty, Data Gravity Index™ (DGx), December 2020.
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 300+ facilities in 50+ metros across 28 countries on six continents. To learn more about Digital Realty, please visit digitalrealty.com or follow us on LinkedIn and Twitter.

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