

Harness the Power of Hybrid Cloud on PlatformDIGITAL® with AWS Direct Connect

Leverage Digital Realty's Dedicated and Hosted AWS Direct Connect Options to Support High Performance Networking Requirements in a Hybrid Environment

Why AWS and Digital Realty?

AWS Direct Connect enables customers to securely transfer data to and from AWS across a dedicated connection, so transfer rates are fast, consistent, and reliable. Digital Realty provides PlatformDIGITAL®, the single global data center platform to solve global coverage, capacity, connectivity, and multi-cloud adjacency needs by bringing the users, things, networks, and clouds to the data to remove data gravity barriers and scale digital business.

For AWS customers looking to leverage AWS Direct Connect to connect to AWS, Digital Realty offers three connectivity options:

- 1. Dedicated:** AWS has deployed AWS Direct Connect cloud onramps within 17 Digital Realty data center facilities, enabling cloud-adjacent, hybrid cloud architectures across PlatformDIGITAL®. Customers at each of these data center campuses are able to connect to AWS via a cross connect (dedicated connection).
 - 2. Hosted:** Customers located in any of our 135+ global data centers where ServiceFabric™, Digital Realty's global, service orchestration platform, is available can connect to any AWS region seamlessly and on-demand, including the 15 markets offering dedicated connections.
 - 3. Remote:** Customers in remote locations can connect via a community of 1,300+ local and global network service providers present in our data centers.
- **AI & HPC Applications:** When customers transfer large amounts of data between their AI/HPC colocation environment and AWS, high performance and low latency are an absolute requirement. Digital Realty data centers that host AWS Direct Connect provide the throughput and consistency required for data-intensive workloads.
 - **Proprietary Customer Data:** By utilizing a dedicated cross connect between a customer's colocation cage and the AWS Direct Connect, the customer's data never traverses the public Internet. This end-to-end private connection isolates proprietary customer data from other internet traffic improving security and privacy.
 - **Low Latency:** In a Digital Realty data center with AWS Direct Connect present, customers can take advantage of cloud-adjacent colocation by ensuring consistent, low latency hybrid networking solution.
 - **Periodic Data Migration, Business Continuity, Disaster Recovery:** Fast, reliable, and secure end-to-end dedicated connections between a customer's colocation environment and AWS ensures smooth and reliable data transfers at massive scale for real-time analysis and rapid data backup.
 - **Data Sovereignty:** If a customer is required to keep certain workloads out of the public cloud for compliance reasons, then placing those workloads in a Digital Realty data center with a dedicated AWS Direct Connect allows the customer to stay compliant while not sacrificing performance, reliability, or security.

Use cases for Dedicated and Hosted AWS Direct Connect on PlatformDIGITAL® include:

Key Benefits of Digital Realty's Direct Connection to AWS:

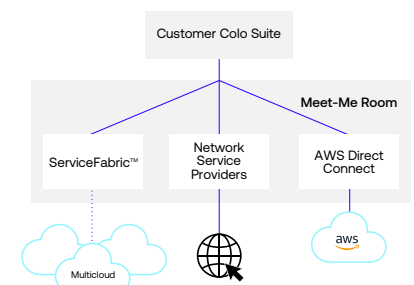
Performance: By connecting to AWS Direct Connect from the same data center campus, you minimize latency (just a cross-connect away) – cloud-adjacent colocation.

Reliability: Achieve predictable, reliable latency, which is needed for many hybrid architectures.

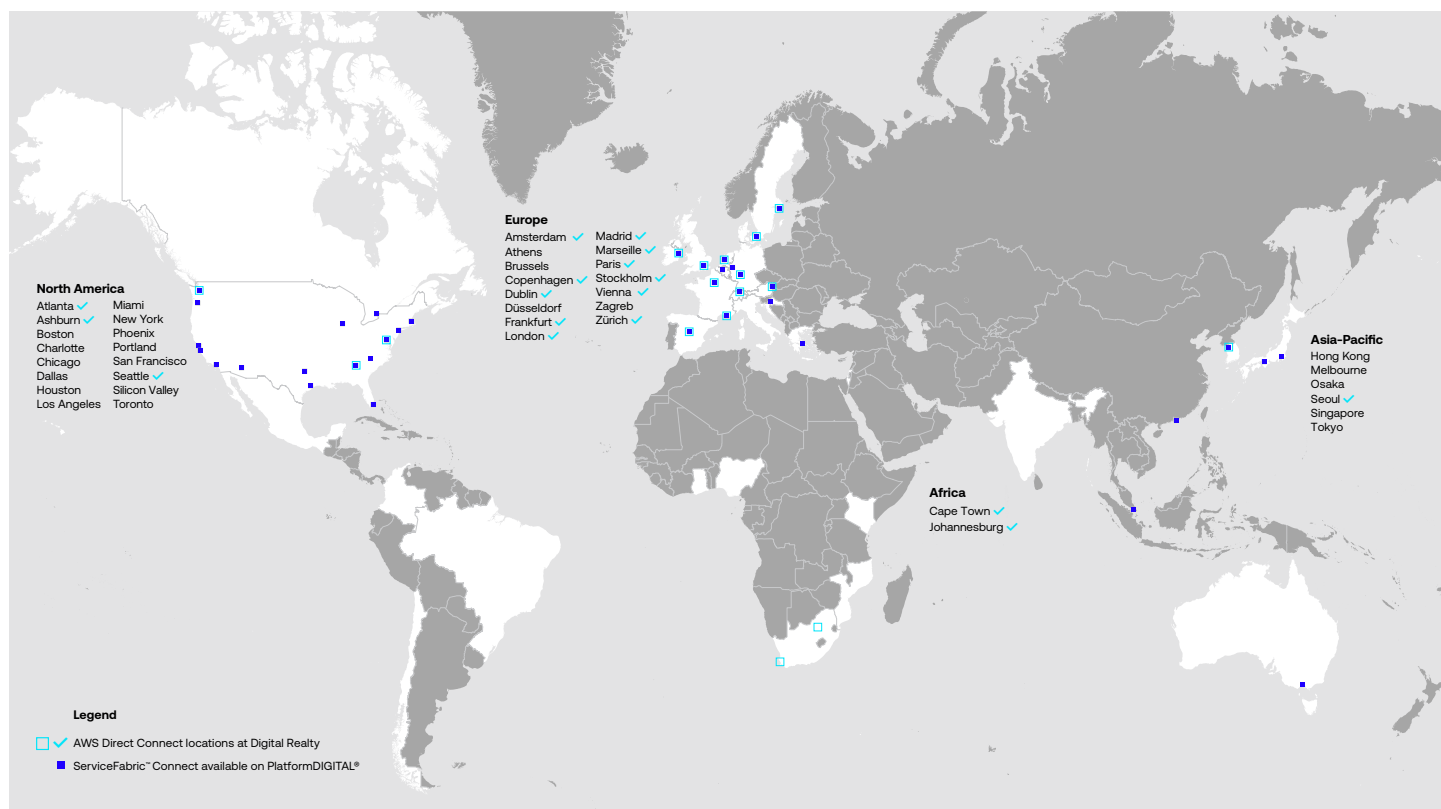
Security: Cross-connects are inherently secure – just a cable in a data center with no active component in-between.

Cost: Moving massive amounts of data is expensive. The costs of WAN and internet usage can be significant for companies that require private connections. For Digital Realty data centers with a dedicated AWS Direct Connect, the Digital Realty cross connect fee is a factor of 10x lower than the cost of redundant WAN connections.

Digital Realty Data Center



Data Center Solutions When and Where You Need Them



Learn more

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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 25+ 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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