High-Density (HD)Colocation

Overview

Designed for enterprise customers and service providers seeking to deploy power-intensive applications such as Artificial Intelligence, Data Analytics, and Machine Learning. Our global data center platform, PlatformDIGITAL®, offers standardized, HPC-ready infrastructure configurations to support high-density workloads. With exponential data growth presenting challenges, we have developed solutions to meet these demands and become a trusted partner for our customers. Customers gain access to a secure, compliant, resilient, and performant foundation that enables the implementation of new technologies and seamless orchestration of data flows. Our goal is to simplify data management complexity and serve as the single, trusted, global data center partner for our customers.

Key Attributes

- **Performant**: Purpose built for high-density computing and large-scale data infrastructure
- **Secure**: Granular, multi-factor security controls at cabinet, cage, suite and facility levels
- **Resilient**: Fully redundant components, power distribution, 100% availability as per the SLA
- **Extensible**: Scale deployments up and out with flexible consumption models
- **Compliant**: Security controls for data compliance including ISO, SOC, PCI, etc.
- **Connected**: Diverse, redundant connectivity into dense carrier and cloud neutral ecosystems

Key Benefits

- Access to ServiceFabric™ empowers customers to orchestrate data flows and access required datasets for AI applications on-demand
- Standardized infrastructure enables rapid and consistent deployment with standardized SLAs across PlatformDIGITAL®
- Offers flexible architecture solutions for a broad range of customer requirements
- Pre-qualified “High Density Ready” data centers added to CPQ for streamlined ordering and implementation

ISO International Organization for Standardization  SOC Security Operations Center  PCI Payment Card Industry

At-a-Glance

Purpose-built product line for high-performance computing and large-scale data storage infrastructure colocation

Use Case Continuum

- **HPC**: Engineering Simulations, Financial Modeling
- **Data Localization**: Regulated Workloads, Real-time Data Classification
- **Data Analytics**: Personalized Experiences, Fraud Detection
- **AI/ML**: AI/ML Training, GPU/IPU/FPGA Assisted

AI Artificial Intelligence  ML Machine Learning  GPU Graphics Processing Unit  IPU Infrastructure Processing Unit  FPGA Field Programmable Gate Arrays
High-Density (HD) Colocation

How it Works

Deployed in one of PlatformDIGITAL®’s global campus facilities, High-Density (HD) Colocation provides the necessary components to accommodate high-performance computing & large-scale data storage infrastructure environments.

Additional factors to consider
Granular access and security controls help maintain compliance, while interconnection services provide access to dense eco-systems and service providers.
High-Density (HD) Colocation

Global Availability Map

PlatformDIGITAL®
Hosted Connections via Digital Realty ServiceFabric™
✓ High-Density (HD) Colocation available PlatformDIGITAL®
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 digitalreality.com or follow us on LinkedIn and Twitter.