



A PlatformDIGITAL™ Solution

# Data Hub

Platform  
**DIGITAL™**

## Optimize Data Exchange

Digital business requires a new data infrastructure architecture, one that localizes data aggregation, staging, analytics, streaming and management at global points of business presence.

This improves performance and data compliance control necessary to support exploding volume, variability and velocity of data creation, processing and storage to accommodate digital business. The strategy brings the users, networks, systems and controls to the data, which removes barriers of data gravity and creates centers of data exchange to scale digital business.

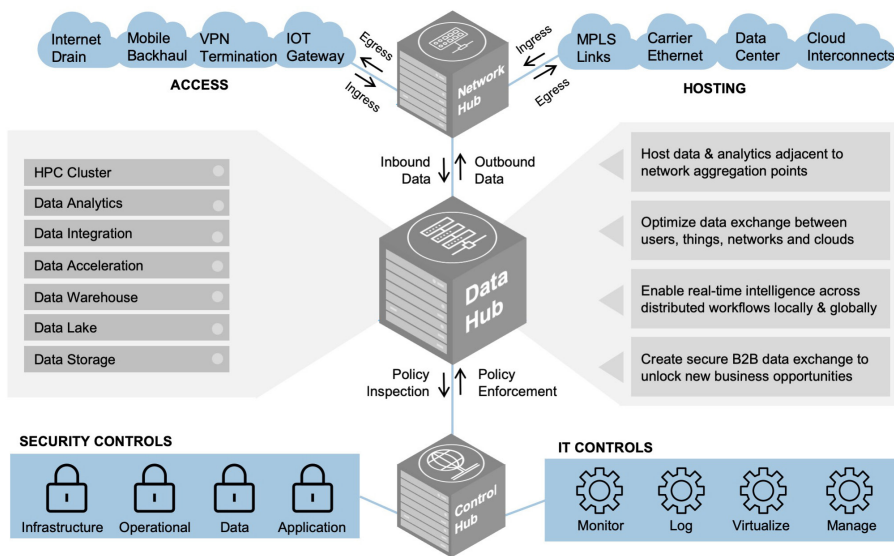


Fig 1. PlatformDIGITAL™ Data Hub Solution

### DATA HUB AT A GLANCE

Deploy, connect and host critical data infrastructure in proximity to users, networks, clouds and things to address data gravity and compliance to scale digital business.

### KEY BENEFITS

- Implement distributed data staging and aggregation
- Deploy regional data lakes and distributed data warehouses
- Maintain compliance and sovereignty
- Integrate public and private data sources
- Distribute business intelligence
- Connect global data ecosystems

### IMPLEMENT DATA HUBS ON PlatformDIGITAL™

The global data center platform for deploying Data Hubs to:

- Solve global coverage, capacity and connectivity needs
- Deploy tailored infrastructure matched to business need irrespective of size, scale or configuration
- Operate deployments as a seamless extension of global infrastructure with consistent experience, security and resiliency



## DATA HUB STARTER KIT

This turnkey bundle includes the necessary components and services to rapidly plan, deploy and scale your Data Hubs. The pre-configured solution accommodates a typical enterprise deployment of a Data Hub to solve placement, connectivity and hosting of critical data infrastructure in proximity to users, networks, clouds and things. This enables enterprises to optimize data exchange between employees, customers and business partners to scale digital business at global points of business presence.

### CONFIGURATION DETAILS\*

#	COMPONENT	PURPOSE
1	500 Square Feet Private Cage or Hall	Security (secure physical isolation)
2	15 Cabinets, 4kW/Cabinet	Storage Capacity (fit for purpose)
3	1 Cabinet, 55kW/Cabinet	HPC Capacity (fit for purpose)
4	3 Fiber Cross-Connects Package	Direct Connectivity (physical)
5	2 x 10G Service Exchange Ports	Ecosystem Connectivity (virtual)
6	Card Reader + Biometric Authentication	Security (secure physical access)
7	Installation Services	Design/Install (speed to deploy)
8	Remote Hands Bundle (10 hours)	Move/add/change (ease to maintain)

\*Additional features available as add-ons for an incremental fee.

### STARTER KIT AT A GLANCE

Get started quickly with pre-packaged Data Hub solution configuration based on best practices to speed deployment and results.

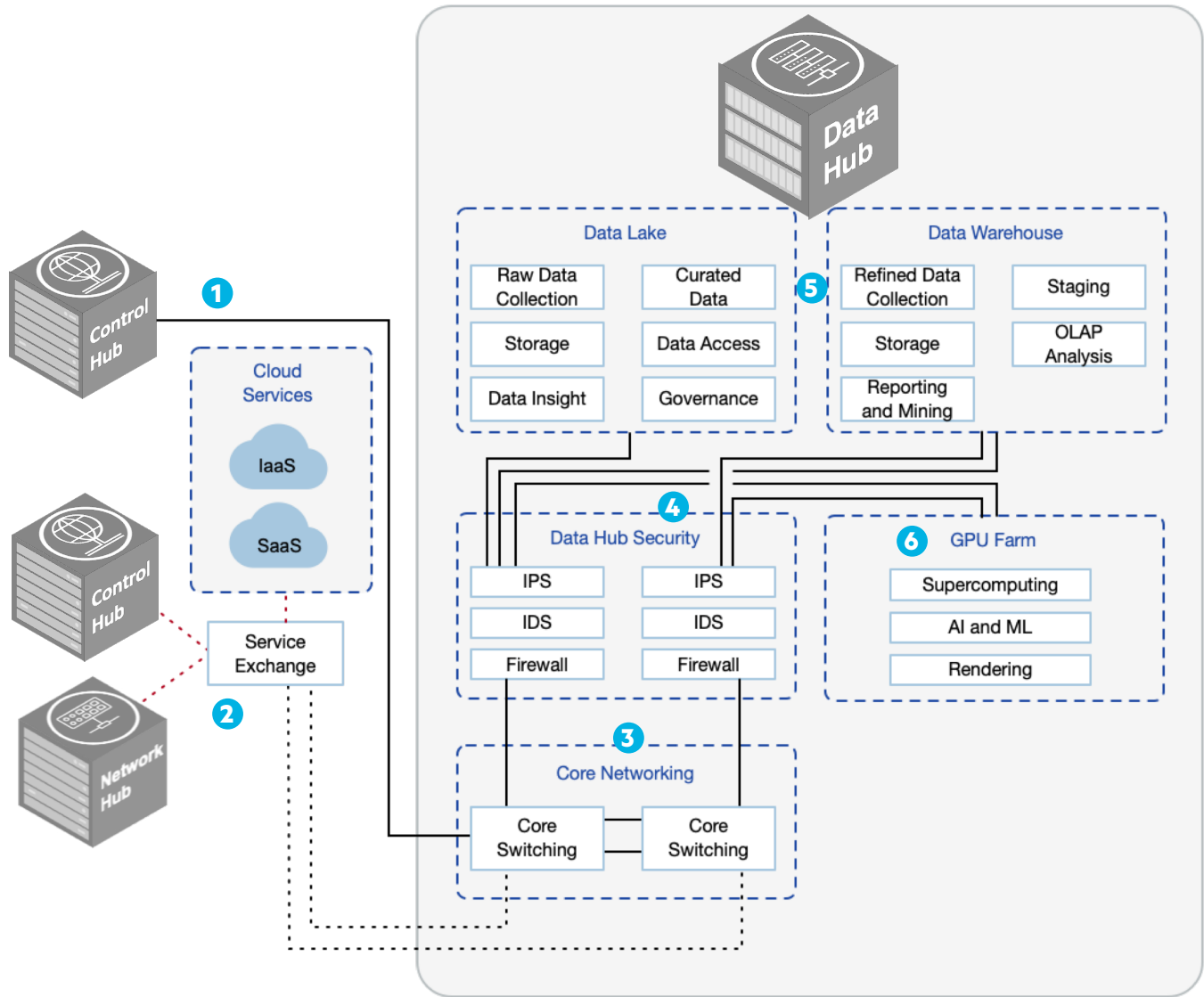
### FEATURE SET

- Secure colocation for data infrastructure footprint (expandable)
- Secure, direct interconnection to clouds, carriers and partners
- Global access to operational environment via portal/API's
- Streamlined contracting vehicle for multi-site deployments
- Cabinet installation and remote hands services
- Industry Standard Compliance
- Discounted pricing for starter kit configuration

### PROVEN APPROACH

Quickly realize the benefits from your Data Hubs deployed globally on PlatformDIGITAL™, by leveraging our Pervasive Datacenter Architecture (PDX™) strategy. This step by step strategy will help you create the new IT architecture required to solve digital transformation.

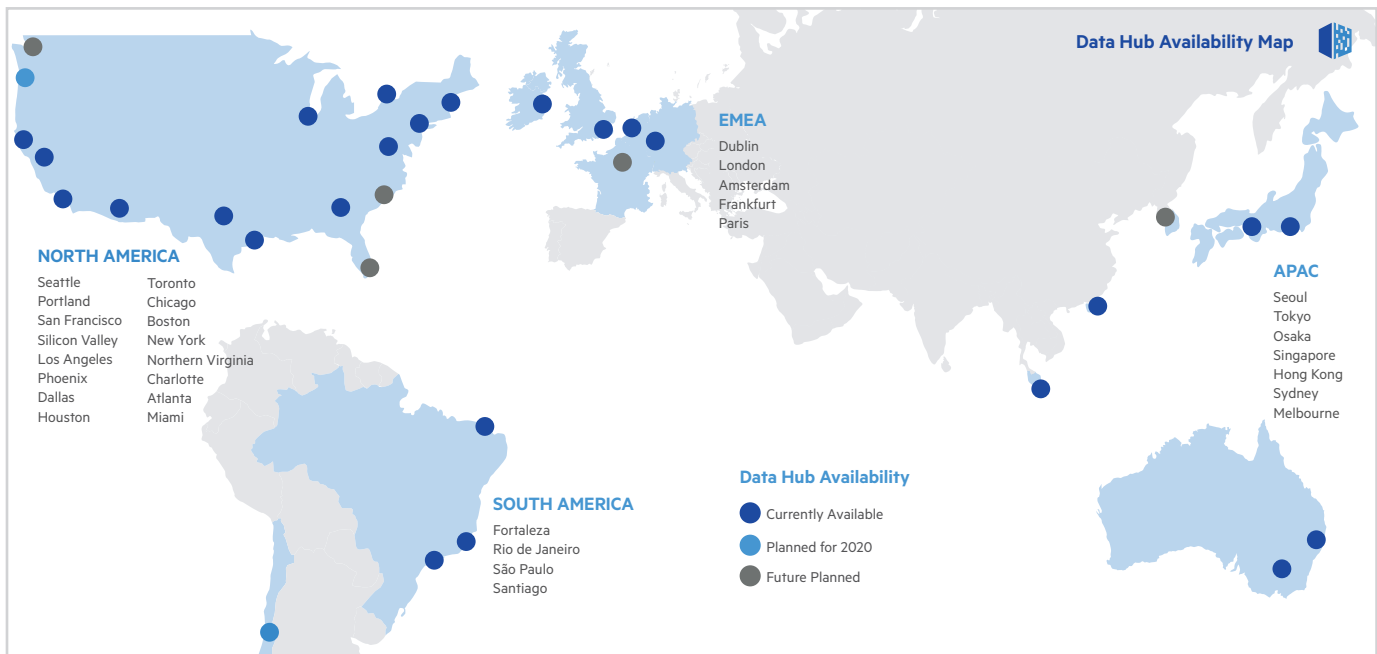
## DATA HUB REFERENCE ARCHITECTURE



- 1 The Data Hub located in close proximity to the Control Hub connects using a Campus Connect or Metro Connect.
- 2 An out of market Control Hub connect back to the Data Hub using Service Exchange, powered by Megaport. Trusted data from Network Hubs flow to the Data Hub for further analysis and modeling.
- 3 The Core Switching infrastructure terminated connectivity into the Data Hub and enables access to the cloud for deep analytics and archival storage.
- 4 Due to the value and sensitivity of enterprise data access needs to be strictly controlled and logged.
- 5 Data Lakes analyze and curate raw data for Data Scientists to use. Refined Data sits in the Data Warehouse for Business Professionals to use.
- 6 HPC GPU Farm located directly adjacent to data stores for direct access. GPU Farms enable AI Development, Media Content Creation and complex modeling and simulations.



## IMPLEMENT DATA HUBS GLOBALLY ON PlatformDIGITAL<sup>TM</sup>



### WANT TO LEARN MORE?

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### ABOUT DIGITAL REALTY

Digital Realty supports the data center, colocation and interconnection strategies of customers across the Americas, EMEA and APAC, ranging from cloud and information technology services, communications and social networking to financial services, manufacturing, energy, healthcare and consumer products. To learn more about Digital Realty, please visit [digitalrealty.com](http://digitalrealty.com) or follow us on LinkedIn or Twitter.