FLEXENTIAL®

Flexential Digital Core

Aggregate workloads for seamless transfer at the edge

Enterprise data challenges

Today's rapid data growth causes application performance issues for traditional architectures that receive data from various data sources internally and externally. Enterprises are challenged with the ability to store and analyze data in real-time and are outgrowing the volume of data gathered.

In addition, organizations must comply with federal compliance and data protection regulations, as well as corporate compliance and risk management. Data security, effective encryption, and access control measures are imperative.
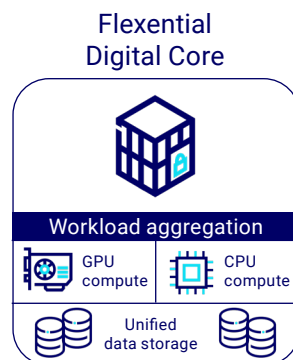
Cloud integration

Lack of private, secure cloud connectivity and integration delivers Inconsistent throughput and performance via the internet. The impact of egress costs associated with moving large data sets out of cloud providers is often unintended and underestimated.

What is Flexential Digital Core?

Flexential Digital Core is an interconnected, private cage space that solves IT workload challenges that focus on compute and storage needs. It may contain data lakes, run real-time analytics, and collect IoT data, all of which require a large physical footprint where you can bring and deploy infrastructure securely.

Flexential Digital Core is an extension of Network Hub, enabling enterprises to process and analyze data adjacent to its source.

Flexential Digital Core

Workload aggregation

GPU compute | CPU compute

Unified data storage

40%
of organizations
rent space at a colocation provider to improve reliability.

39%
of organizations
rent space at a colocation provider for disaster recovery solutions.

—451 VotE Datacenters Colocation

Workload aggregation

Flexential Digital Core allows enterprises to place data constructs alongside cloud-adjacent deployments strategically located based on business requirements. It provides a neutral aggregation point enabling data flow to and from upstream and downstream sources and enables the flow of data from the edge to the cloud and back without giving up control of that data.

Features

Flexential Digital Core houses a workload aggregation point providing compute and storage capabilities in strategic locations. This IT workload solution enables effective upstream and downstream data movement, ensuring seamless interconnectivity between the authoritative core, cloud providers, and edge users.

Flexential Digital Core is designed for high-performance workloads. It combines scalable storage with agile interconnection capabilities, offering full control and authority over data while maintaining the highest level of security.

Benefits

- Deploy applications workloads in multiple regions
- Increase high availability for mission-critical workloads
- Maintain full control of data allowing, efficient data management across hybrid multi-cloud environments.

Contact us to learn more.

"We were able to lean on the Flexential team to manage our data securely —much of it potentially lifesaving to patients, both in and out of a pandemic—while we had all hands on deck."

Jeff Buda
VP and CIO
Floyd Medical Center