![i3 Systems]
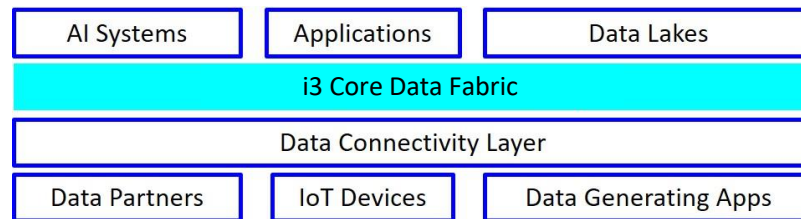
i3 Core Data Fabric

Building Advanced Information Networks from Disparate Data

Legacy architectures run individual applications on top of a connectivity infrastructure. While this works for a single application or a single data source, it leads to many complications when there are many applications and many data sources which leads to unmanaged nightmare situations. And, as a company increases its use of data, these operational complexities can easily negate the expected benefits of data-driven technologies. Luckily, i3 Systems has stepped forward to create a platform that manages the incoming and outgoing data that break down the data silos that isolate disparate software applications. Welcome to the age of information networking!

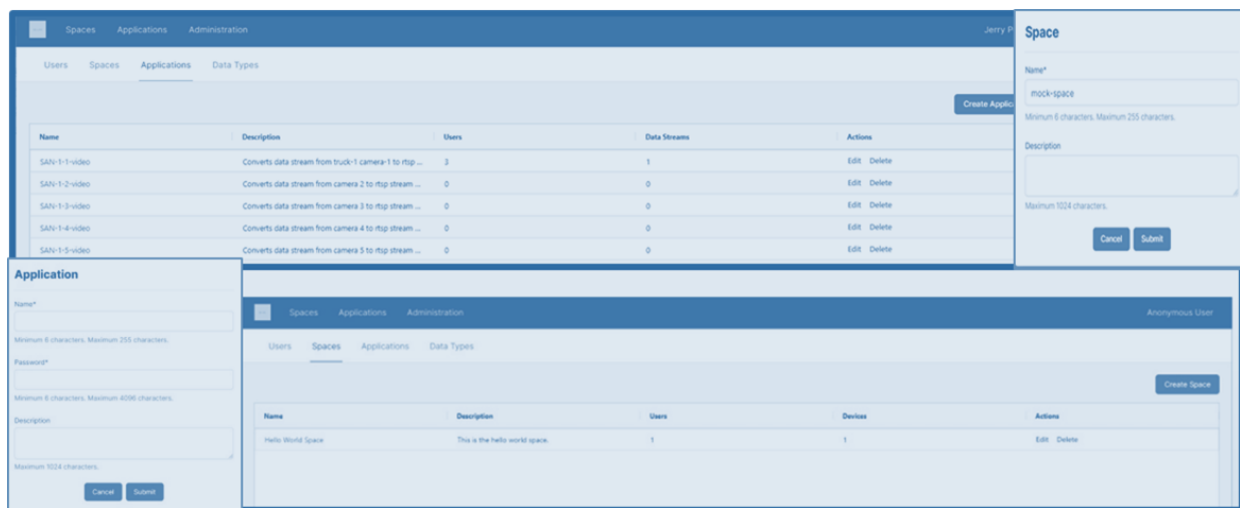| AI Systems	Applications	Data Lakes
i3 Core Data Fabric		
Data Connectivity Layer		
Data Partners	IoT Devices	Data Generating Apps

The i3 Core Data fabric sits at the juncture between the applications, AI Systems, Digital Twins, and Data Lakes and the data connectivity system. It allows data specialists to easily maintain oversight of the data flows that have become the company's lifeblood while application specialists focus on the conversion of data into operational value.

Why i3 Core Systems?

Improves Information/Data Network Efficiency	Stop collecting terabytes of redundant business information and make better use of the data you are already collecting. By treating data as an asset that can be leveraged across the organization the ROI for data is increased.
Expands Information Driven Customer Experiences	Apply data to improve the customer's complete journey. Customer experiences are shaped by organizational experiences rather than one of transactions and this requires access to many data sources.
Boosts Business by Breaking Down Information Silos	Improve information visibility across the entire company. Companies stumble when teams cannot use data to coordinate activities resulting in conflicts that could be avoided with managed access to data.
Enhances Information Privacy and Security	Avoid having to choose between operational efficiency and protection. Privacy and security does not have to be a necessary evil; properly managing data access privacy controls can be used to improve operations.
Makes More Effective an Efficient Use of Information	Reduce replication of duplication effort between data driven teams. A managed information infrastructure provides the tools needed to overcome the development replication issues that slow technology adoption.
Encourages Collaboration Across Teams and Partners	Remove collaboration roadblocks and data islands that inhibit corporate growth. Allow collaboration to flourish by making it easier for different teams to share operational data and improve coordinated activities.
Increases Both Flexibility and Agility	Minimize costs associated with changing data sources/destinations. Without a managed data fabric in place, these changes require that every application be revisited an updated by a software specialist to maintain operations.

Dynamic Data That Support Your Organizational Structure

The benefits of i3's Core Data Fabric can use be used to manage information flows between organizational entities. It is difficult to manage information distribution within an organization and even more difficult to manage data that is to be share with partners, customers, and government entities. In such environments, the i3 core data fabric, simplifies the process as information flows are changed to reflect evolving requirements and makes it easier to add, move, and delete data sources as management driven imparitives evolve.

i3 Key Core Data Fabric Features

- Logging of data flow activations/deactivations
- Duplication of data streams so one data stream can support many applications
- Facilitation of data search processes so applications can peruse and find information of interest
- Data owner centric permission based access to information of interest
- Support for dynamic access to data streams for Ad Hoc access
- Adaptability to support a variety of different data protocols/formats
- Administrative support of data flows between independent teams
- Log files to support data-use audit processes