Ignite
OBJECTSTORE

△ DELTA

App Development

Object-Oriented DBMS Development Platform

ObjectStore is an enterprise object-oriented database management system for C++ and Java. Our technology enables developers to build distributed and cross-platform solutions that operate on-premise or in the cloud.

Customer Success

Delta Air Lines "Caches In" on the Benefits of Ignite's ObjectStore Solution

COMPANY
Delta Airlines

ESTIMATED REVENUE
$47 billion / year

INDUSTRY
TRAVEL & HOSPITALITY

IGNITE SOLUTIONS
ObjectStore

DEPLOYMENT
On Premise

Summary
Delta started using Ignite's ObjectStore solution nearly 20 years ago and immediately started realizing the benefits that come with quicker rerouting of crew members due to unforeseen weather, mechanical and other challenges. Delta chose Ignite's ObjectStore Cache-Forward Architecture, which reduces load and query for faster turn around times.

Why ObjectStore
To build their new Crew ReRoute system (CRR), Delta needed a software solution that could handle incredible loads of data while quickly responding to inquiries. Ignite's ObjectStore allowed for Delta to achieve this by allowing for C++ objects to be stored in a persistent manner across databases and retrieved them like regular objects.

Customer Benefit
ObjectStore has helped reduce load and query times for fast turn-around analytics, leading to competitive advantage against other airlines during unforeseen setbacks. It also gives Delta the ability to provide faster response for users through cache data, leading to better customer experiences and increased customer satisfaction. ObjectStore offers cost savings from efficient rerouting, such as reduced fuel burn and flight times. Additionally, ObjectStore scales as Delta scales, offering a solution that will grow with the growing, successful airline for years to come.

Customer Outcome
Ignite's ObjectStore dynamic database not only met Delta's needs when they embarked on the project in 1999, but had the ability to scale considerably, which Delta knew could come in handy in the future.

> "With ObjectStore at the core of our mission critical reroute application for more than a decade, Delta is leading the skies in efficient rerouting and all of the benefits that come from it"

Solution Benefits

- Deliver multi-fold performance improvement by eliminating the middleware requirement to map and convert application objects into flat relational rows by directly persisting objects within an application into an object store.
- Eliminate need to flatten complex data for consumption in your application logic reducing overhead of using a translation layer that converts complex objects into flat objects, dramatically improving performance and often entirely eliminating the need to manage a relational database system.
- OO storage that directly integrates with Java or C++ applications and treats memory and persistent storage as one – improving the performance of application logic while fully maintaining ACID compliance against the transactional and distributed load.