

# ObjectStore® Standard Edition

Turn Big Data Into Big Value

Ignite's ObjectStore Standard Edition is an object-oriented database management system for applications that demand reliable, transactional, object persistence and real-time data caching. It is the leading in-memory database for applications that demand high-performance, extreme scalability and real time responsiveness.

## Business Benefits

- Stores relationship-centric models that power high performance data processing, analytics, and ACID transactions.
- Leverages in-memory caching and fast event data capture.
- Enables developers to build custom, highly tuned data structures that make big data stores more usable and valuable.
- 20+ year head start on emerging solutions – and already proven by hundreds of customers.

## Real-Time Responsiveness. Big Data Scalability

Ignite's ObjectStore Standard Edition automates the exchange of data seamlessly between incompatible systems. Organizations around the world rely on it for data integration initiatives ranging from data migrations and synchronization to data services. And there's no need to wait around – the decentralized architecture processes in a fraction of the time it takes for similarly sized transformations.

## App Performance Beyond Reach

- Achieve high-performance without over-simplifying your data models or compromising transactional integrity.
- Provide optimal data structure for app performance without compromising durability and availability.
- Improve both data reads and writes, including fully ACID transaction semantics and multi-instance concurrency control. Dramatically reduce query latency for thousands of users.

## Distributed Transactional Caching

- Data flows seamlessly between memory and database.
- Cache Forward Architecture maintains data in-memory across all instances, ensuring data consistency and making real-time and transaction data instantly available.
- Sits above any data source – optimize back end data sources (e.g. relational, big data, etc.)

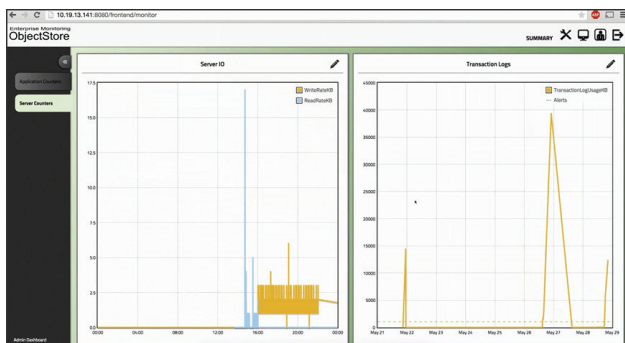
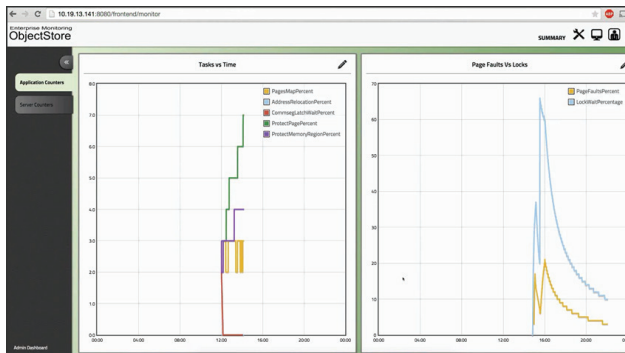
# The Database Behind the World's Highest Performance, Most Scalable Applications

## Flexible Programming Model

- Design any data object model with custom indexing optimized for the way it is used (for example, for optimizing frequently used queries).
- Enable ability to make and handle rapid changes to complex application data models.
- No conversion to and from relational data models.

## Enterprise Monitoring API:

- Better application performance and availability through pro-active monitoring.
- Easy integration with existing monitoring apps.
- Provides access to all the ObjectStore C++ counters.
- Scalable with minimal impact on application performance.



Experience the leading in memory database system for advanced data management and real-time responsiveness.



### Advanced Technology

Instant access, rapid change management and lag free responsiveness for serious data volume



### Versatile

Do what works for your developers with extremely flexible C++ and Java programming models



### Cloud

Scale your data for anywhere access



### Object Oriented

Leverage the power of an OODMS to blow through the constraints of relational database systems

## Embedded Installer

- Provides a single, seamless installer to make it easier for end-users and distributors to install client applications.

## Full Stack Trace on Fatal Error

- Allows more efficient review of the cause and facilitates issue reproduction and resolution.
- Provides customers an opportunity to review errors caused by their applications.

## Automatic Index Management

- Indexes on Java collections are automatically updated when the collection elements are updated.
- Removes the necessity for user action when the elements of the collection are updated.
- Removes issues with indexes being out of sync with the collection and inaccurate query results.

# Quick Facts: ObjectStore Standard Edition

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## Product Summary

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## Key Features

- Stores relationship-centric models that power high performance data processing, analytics, and ACID transactions.
  - Dramatically reduce query latency for thousands of users.
  - Leverages in-memory caching and fast event data capture.
  - Enables developers to build custom, highly tuned data structures that make big data stores more usable and valuable.
  - Enterprise monitoring API that allows you to collect, store and analyze internal counters of Ignite's ObjectStore.
  - Embedded installer makes it easier for end-users and distributors to install client applications.
  - Full readable stack trace on occurrence of a fatal error.
  - Automatic index management ensures that indexes on Java collections are always in sync.
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## Certified Platforms

| OS Family      | Operating System            | Compiler                    | Java          |
|----------------|-----------------------------|-----------------------------|---------------|
| <b>Windows</b> | Windows 7                   |                             |               |
|                | Windows 8                   | Visual Studio 2012 Update 3 | Oracle Java 7 |
|                | Windows 10                  | Visual Studio 2013          | Oracle Java 8 |
|                | Windows Server 2008 R2 (62) |                             |               |
|                | Windows Server 2012 R2 (62) |                             |               |
| <b>Linux</b>   | RHEL 6.4                    | GCC 4.4.7                   | Oracle Java 7 |
|                | RHEL 7.1                    | GCC 4.8.3                   | Oracle Java 8 |

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## For More Information

Please contact us at [success@ignitetech.com](mailto:success@ignitetech.com) or visit [www.ignitetech.com](http://www.ignitetech.com).