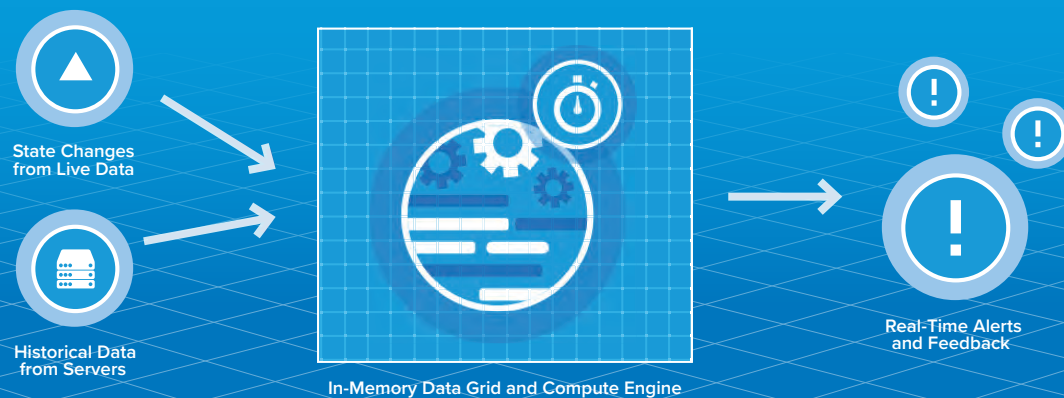


Powerful In-Memory Computing Solutions For The Enterprise



SCALING APPLICATION PERFORMANCE WITH AN IN-MEMORY DATA GRID

Developing fast, scalable applications on server farms and in the cloud requires that rapidly changing application data is instantly accessible, even as servers are added to handle ever-increasing workloads. ScaleOut Software's in-memory data grid (IMDG) / distributed cache uses a fully distributed software architecture to store object-oriented data in memory across a cluster of commodity servers. IMDGs provide a fast, scalable, highly-available, and uniformly accessible data storage layer for use by business logic within distributed applications and for caching data from database servers and other sources.

Typical uses include:

- ▶ Scaling application performance and workload
- ▶ Ensuring fast data access and website response times
- ▶ Database caching for frequently accessed data
- ▶ Eliminating the need for server affinity

IN-MEMORY COMPUTING FOR STREAM PROCESSING AND DATA ANALYTICS

Beyond just serving as a fast, scalable repository for live data, ScaleOut Software's IMDG and integrated in-memory computing engine provide a breakthrough platform for both stateful stream processing and real-time, data-parallel analytics (such as MapReduce). By harnessing the scalable computing power of the server clusters on which they run, IMDGs deliver immediate results and important feedback to live systems, enabling

operational intelligence – the ability to identify and capture business opportunities in the moment, before they disappear.

PRODUCT PORTFOLIO

ScaleOut Software offers a full range of products for in-memory data storage and computing, real-time Hadoop MapReduce, disaster recovery, and global data integration. The following pages describe ScaleOut Software's suite of products available for download, along with additional product options.

ScaleOut Software's product portfolio includes:

- ▶ **ScaleOut StateServer®**
Industry-leading in-memory data grid and distributed cache
- ▶ **ScaleOut GeoServer®**
Scalable global replication & remote data access
- ▶ **ScaleOut StreamServer™**
In-memory computing platform for stateful event stream processing
- ▶ **ScaleOut ComputeServer®**
Data-parallel analysis of live data, including MapReduce, for operational intelligence

DESIGNED FOR YOUR APPLICATION

ScaleOut Software's object-oriented APIs are available in Java, C#, C/C++, and REST, making them easy to incorporate into a wide range of applications. Automatic load-balancing and recovery, along with industry-leading management tools, ensure fast deployment, simplified administration, and low TCO.



IN-MEMORY DATA GRID

ScaleOut Software’s architecture unlocks the full power of an in-memory grid by delivering what operational systems need: low-latency, scalability, and high availability.



Low Latency

The most important requirement for scalable business logic is low latency for fast data access.



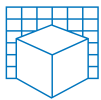
Scalability

Scalability keeps latency low as the workload grows, enabling fast results in all situations.



High Availability

What sets in-memory data grids apart are their integration into live, production systems — mission-critical systems that require 24/7 availability.

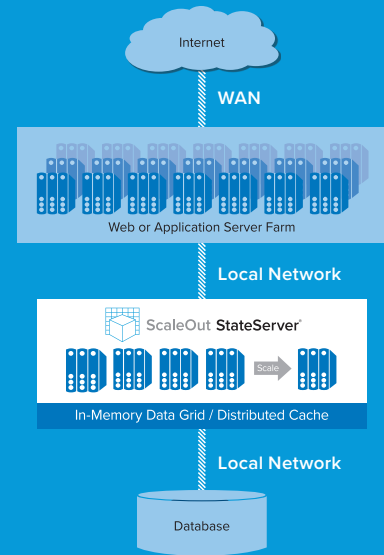


ScaleOut StateServer®

INDUSTRY-LEADING IN-MEMORY DATA STORAGE AND DISTRIBUTED CACHING

Our flagship product gives you production-proven performance, combined with the industry’s easiest to use and most cost-effective in-memory data grid.

- ▶ Stores fast-changing data in memory across a cluster of commodity servers with transparent load-balancing.
- ▶ Offloads your back-end database server to dramatically increase access performance and scalability.
- ▶ Patented, quorum-based storage technology enables fast access with sequential data consistency and automatic recovery.
- ▶ Includes extensive features: parallel query, AppFabric APIs, etc.



ScaleOut SessionServer™

MANAGING ASP.NET SESSION-STATE IN MEMORY

A simplified and streamlined version of ScaleOut StateServer, created for managing ASP.NET session-state in memory—fast.

- ▶ In-memory storage for ASP.NET session-state with extremely low-latency, linear scalability, and high availability
- ▶ One-line change to your ASP.NET configuration
- ▶ Support for ASP.NET Core 2.0



ScaleOut GeoServer®

SCALABLE GLOBAL REPLICATION & ACCESS

Seamlessly extends ScaleOut StateServer’s in-memory data grid across multiple, geographically distributed data centers to protect against loss of data due to a site-wide outage. Optionally combines multiple data grids across remote data centers into a single, virtual data grid spanning all sites.

- ▶ Rock solid disaster recovery that eliminates service interruptions due to data-center outages
- ▶ Unified access to data across multiple IMDGs





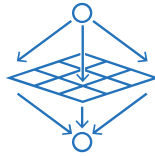
IN-MEMORY COMPUTING

ScaleOut Software's in-memory computing platform combines stateful stream processing and real-time, data-parallel analytics.



Easily construct in-memory models that track live systems

ScaleOut Software's stream processing enables the creation of "digital twin" models for tracking data sources.



Run in-memory analytics

ScaleOut ComputeServer runs real-time, data-parallel computations on live, fast-changing data for immediate feedback.



Deliver fast, actionable results

ScaleOut Software's intuitive in-memory computing platform enables immediate feedback for live systems and fast-growing workloads.

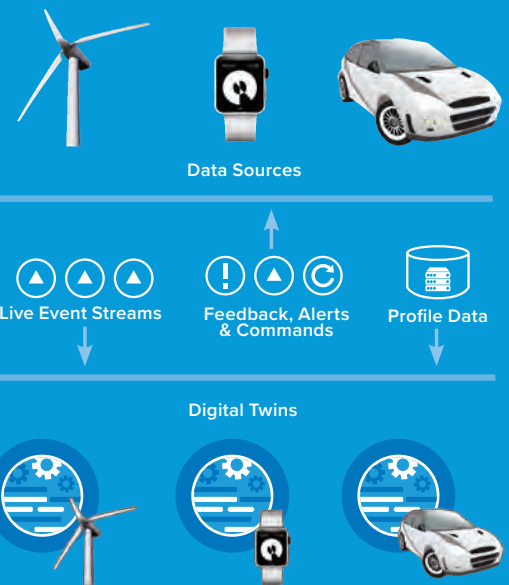


ScaleOut StreamServer™

UNIFIED PLATFORM FOR STATEFUL EVENT STREAM PROCESSING

Combines ScaleOut Software's in-memory data grid (IMDG) with an integrated stream-processing engine to create a powerful platform for stateful stream processing.

- ▶ Stream processing runs in the grid to minimize latency and avoid data motion.
- ▶ Supports the "digital twin" model of stateful stream processing for deep introspection on data sources.
- ▶ Provides scalable integration with Kafka event pipelines.
- ▶ Time-windowing and Reactive-X APIs simplify applications.
- ▶ Includes all of the features of ScaleOut ComputeServer.



ScaleOut ComputeServer®

DATA-PARALLEL ANALYTICS FOR OPERATIONAL INTELLIGENCE

Combines ScaleOut Software's in-memory data grid (IMDG) with an integrated, data-parallel compute engine to deliver immediate results for real-time feedback and time-sensitive analytics.

- ▶ Fast, in-memory computing where the data lives
- ▶ MapReduce APIs for Java and C#
- ▶ Fully distributed, Parallel.ForEach API for .NET
- ▶ Patented high availability for data-parallel operations



ScaleOut hServer®

IN-MEMORY EXECUTION FOR HADOOP MAPREDUCE

Provides an in-memory execution engine for running standard, Apache-compatible Hadoop MapReduce applications in Java on live data hosted in ScaleOut Software's IMDG. Avoids the need to install and manage a complex Hadoop stack.

- ▶ Certified with Cloudera, Hortonworks, and IBM
- ▶ Support for Hadoop YARN and Hive
- ▶ Community edition available on four servers



SOLUTIONS FOR ANY INDUSTRY APPLICATION

ScaleOut Software's in-memory data storage and computing products can help scale performance and add operational intelligence to a wide range of applications across many industries. Any application which manages fast-changing data, handles fast-growing workloads, and needs to introspect on live data for immediate feedback can benefit from ScaleOut Software's technology. Example industry applications include:



Websites & Ecommerce

- ▶ Session state
- ▶ Shopping carts
- ▶ Application state



Healthcare

- ▶ Patient monitoring/alerts
- ▶ Clinical informatics
- ▶ Instrument telemetry



Media

- ▶ Real-time ad tracking
- ▶ Live recommendations
- ▶ Video feed status



Internet of Things

- ▶ Sensor data
- ▶ Mobile app state
- ▶ Telemetry feeds



Financial Services

- ▶ Ticker feeds
- ▶ Portfolio analysis
- ▶ Trading data

Many more...

- ▶ Travel reservation systems
- ▶ Customer service centers
- ▶ Online learning testing & real-time scoring

ABOUT SCALEOUT SOFTWARE

ScaleOut Software's mission is to develop and license leading-edge software and services that incorporate scalable, in-memory computing technology to provide operational intelligence for our customers with ease-of-use, peerless support, and cost-effectiveness. Our vision is to help our customers significantly increase the value of their operational systems by deploying in-memory computing technology that provides operational intelligence.

Sample Of ScaleOut Software Customers:

AAA ATOS Adidas BP Bell Canada British Telecom CompassLearning Delta eBags Farmers HSN HealthNet Honda Humana ING MTV Monster Pearson RSA SCE Staples SurveyMonkey T-Mobile Thomson Reuters TimeWarner Woot

Pioneers in Scalable, In-Memory Computing

For the past decade, ScaleOut Software has been developing leading-edge software technology for in-memory data storage and integrated, real-time computing.

Technical Leadership

ScaleOut's products have been designed by leaders in parallel supercomputing and experts in API development. For more than a decade, ScaleOut Software has introduced patented, industry-leading technology that combines high performance, high availability, and ease-of-use specifically targeted for operational systems.

Customer-Focused

ScaleOut Software's products are in production use at hundreds of customers worldwide. Every day tens of millions of data grid operations are handled quickly and reliably by our products for a wide range of applications across many industries, including e-commerce, financial services, media services, transportation, telecommunication, energy, and many others.

Showcase ecommerce use case:



ScaleOut InSite™

Interactive, Context-Aware Product Recommendations

- ▶ Interactive, smart product filtering
- ▶ Inferencing engine driven by real-time machine learning
- ▶ Dynamic customization for promotions
- ▶ Collaborative, real-time feedback



Learn more at www.scaleoutsite.com



Try ScaleOut for free.

Experience the power of in-memory computing in minutes!
www.scaleoutsoftware.com/try-for-free



LEARN MORE

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