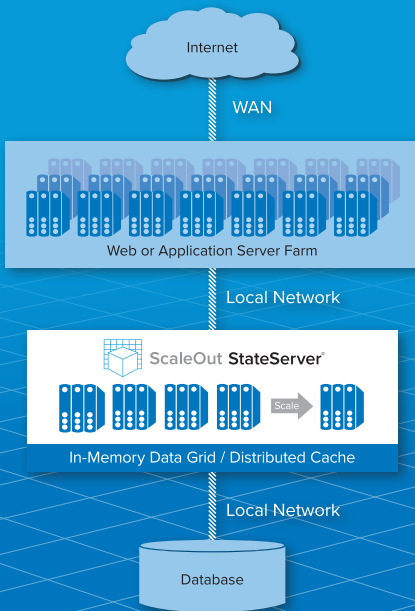


The easiest to use and most powerful in-memory data grid to scale your .NET and Java applications

ScaleOut StateServer® delivers production-proven performance, rock-solid reliability, and industry-leading ease of use. Scale your application's performance by storing fast-changing data in memory with integrated scaling and high availability, powerful APIs, and comprehensive management tools. Offload your back-end database server to dramatically increase access performance and scalability, while lowering infrastructure costs. Patented storage technology enables fast, grid-wide access to all stored data and ensures high availability during server outages or planned downtime. Optimized for enterprise .NET applications since 2005, StateServer also fully supports Java/Linux environments and is deployable both on-premises and on Azure/AWS public clouds.



ENTERPRISE IN-MEMORY DATA GRID

Scale your application's performance with a production-proven, in-memory data grid (IMDG) and distributed cache for both Windows and Linux that delivers blazingly fast data access with industry-leading technology for automatic scaling with full data coherency and integrated high availability. Powerful APIs for C#, Java, C/C++, and REST make it easy to access, query, and analyze live data. Industry-leading management tools ensure fast deployment, simplified administration, and low TCO.



TYPICAL CHALLENGES SOLVED BY IMDGS AND DISTRIBUTED CACHING

- ▶ Database bottlenecks
- ▶ Slow data access and website response times
- ▶ Sticky sessions required for server affinity
- ▶ Insufficient server memory for applications
- ▶ Need to easily scale application workloads
- ▶ Demand to track and quickly analyze live data
- ▶ Complex distributed software development

TYPICAL USE CASES

ScaleOut StateServer incorporates more a decade of technology development and production use. It has been put to the test in a wide range of mission-critical applications across many industries and use cases. Any application which manages an elastic workload with live, fast-changing data and requires consistently fast, reliable data access will benefit from ScaleOut StateServer. For example, a high-traffic web application running on a server farm can use this technology to store session-state and maintain fast response times even under peak workloads. Here is just a sample of the applications and workloads that benefit from ScaleOut StateServer:



Websites & Ecommerce

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



Media

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



Financial Services

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



Healthcare

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



Internet of Things

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

Many more...

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





KEY FEATURES AND CAPABILITIES

Recognizing that distributed caching can be a complex technology to deploy and use effectively, ScaleOut Software has designed ScaleOut StateServer with the core vision of offering the industry's best combination of scalability and ease of use. As a result, our products are packed with powerful capabilities that help our customers easily develop and deploy highly scalable applications.

Key Benefits	
Fast data access	Use of a fast, portable, C-based server and coherent client caching keep data access fast.
Linear scalability	Peer-to-peer architecture and automatic load-balancing scale throughput as the workload grows.
High availability	Automatic recovery and self-healing after server and network failures avoid downtime & data loss.
Ease of use	Self-aggregating grid as servers are added ensures fast, easy deployment and low TCO.
Fast development	Rich, intuitive APIs and coherent data storage make development fast and easy.
Cost-effective	Designed for deployment on commodity servers or in public clouds, ScaleOut keeps costs low.
Parallel query	Built-in, optimized distributed query (with LINQ for .NET) enables fast, property-based query.
Optional features	Includes WAN-based replication, global data access, data-parallel computing, and more.

WHAT SETS SCALEOUT STATESERVER APART

ScaleOut StateServer was designed from the ground up to host live, mission-critical data with fast, scalable access and integrated high availability. Its patented technology, peer-to-peer architecture, ease of use, and enterprise-grade support from ScaleOut Software set it apart from the competition. Take a look at how it compares:

AppFabric Caching	Redis	Memcache
▶ Support ended by Microsoft ▶ Complex to configure, deploy and maintain ▶ Erratic access delays due to C# garbage collection ▶ Single point of failure, no LINQ query, no GUI management, ... scaleoutsoftware.com/appfabric	▶ Sharding and load-balancing not integrated into the server ▶ Complex master/slave model for high availability; no quorum support ▶ Not suitable for mission-critical data due to eventual consistency model ▶ No support for distributed computing scaleoutsoftware.com/better-than-redis	▶ Rudimentary read-only distributed cache ▶ Sharding and load-balancing not implemented ▶ No support for replication & high availability ▶ No advanced features (e.g., bulk insert, distributed query, WAN replication) ▶ No GUI management or enterprise support

THE SCALEOUT SOFTWARE IN-MEMORY COMPUTING PLATFORM

Today's applications need fast access to data for maximum performance. At the same time, the need to quickly analyze live data and obtain immediate feedback has never been greater. ScaleOut's technology combines the power of an in-memory data grid with an integrated compute engine to enable "operational intelligence"—the ability to identify and capture business opportunities in the moment, before they disappear.

Whether your live data is hosted in a server farm, compute grid, or the cloud, ScaleOut Software's suite of products eliminates scalability bottlenecks and gives you ground-breaking tools to deliver the insights on fast-changing data that your business demands.

Comprehensive Features

DATA STORAGE & ACCESS

Comprehensive C#/Java/C++/REST APIs
 Distributed locking
 Coherent client-side caching
 Object timeouts and dependencies
 Scalable event handling
 Bulk object insertion
 Backing store integration
 Custom serialization
 Language interoperability
 Transparent session-state storage
 ASP.NET and Java Servlet support
 Parallel query and LINQ support
 AppFabric Caching compatibility
 NHibernate Support

ARCHITECTURE

Fully peer-to-peer
 Patented, quorum-based replication
 Coherent data storage
 Shard-aware client library
 Linear throughput scaling
 Optional TLS security
 Self-discovering & aggregating
 Scalable heart-beating
 Adaptive heart-beating for VMs and cloud
 Automatic failure detection & recovery
 Integrated, server-side sharding
 Interoperability for Windows & Linux

MANAGEMENT

Centralized deployment & management
 GUI management console
 Command-line scripting & PowerShell
 Automatic adding & removing of servers
 Performance charting & counters
 Grid heat map

OPTIONAL EXTENSIONS

Object browser
 Parallel backup / restore
 WAN-based replication
 Global data access
 In-memory computing
 Apache Hadoop MapReduce



Try ScaleOut for free.

Use the power of in-memory computing in minutes on Windows or Linux.
www.scaleoutsoftware.com/try-for-free



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www.scaleoutsoftware.com
 +1-503-643-3422
info@scaleoutsoftware.com

@ScaleOut_Inc
[linkedin.com/company/scaleout-software](https://www.linkedin.com/company/scaleout-software)
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