

Immediate Resolution of SQL Server Information Access and Retrieval Bottlenecks

Product Brief

Immediate resolution of data bottlenecks

Significantly improved performance and throughput

100% data credibility

Continuous high availability

Recent Customer Experience

"We are extremely excited about the performance of SafePeak. It has shown to increase the performance of user read queries by up to 380% with an average increase of 126%."

SafePeak especially shines during times of high usage spikes, where the SafePeak difference in handling traffic peaks is clearly obvious."

Ami Levkovitz,
Globes CIO

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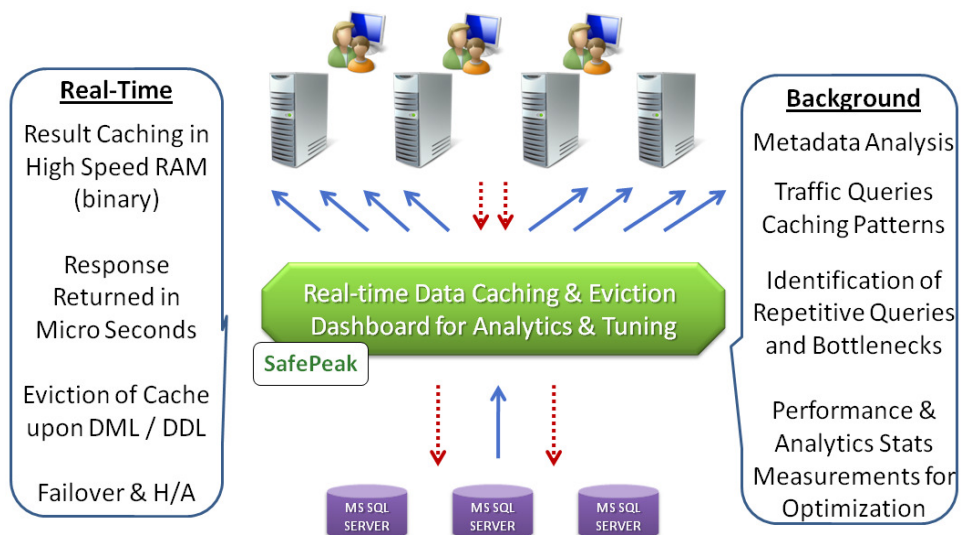
SafePeak delivers plug and play software for Microsoft SQL Server users that **significantly increases speed of data access and retrieval** for breakthrough performance and improved response time. No changes are required to existing databases or applications such as media and information portals, ecommerce sites, OLTP, ERP or CRM systems.

SafePeak provides an immediate solution for latency challenges and data bottlenecks, especially during unexpected peaks and spikes of usage. It enables companies to maximize their investment in existing infrastructure while avoiding costly hardware and software upgrades.

Improving database response time from SQL database queries and enhancing system scalability by orders of magnitude, SafePeak ensures continuous high availability for mission-critical applications.

With SafePeak, unexpected demand doesn't have to mean unexpected downtime!

Achieving Micro Second Response Time



SafePeak provides "results caching" between application servers and database servers. Patent-pending auto-learning caching algorithms store repeatable SQL statements results in RAM, greatly reducing database-server load, eliminating traffic bottlenecks and increasing scalability and transaction throughput.

An Inside Look

SafePeak is an intelligent and sophisticated cache mechanism for databases. SafePeak software is logically situated on the LAN between the application servers and the database servers. SafePeak caches the binary result-sets of repetitive read queries in RAM memory for extremely fast access, thus relieving up to 95% of workload on database server/s. SafePeak is completely transparent to application technologies. Among others, we support ASP, .Net (1.1, 2.0, 3.0, 3.5 etc.), PHP, Java/VB-Script, OLEDB, ODBC and JDBC connections.

Automatic Cache Pattern Builder

SafePeak self learning algorithms manage up to 95% of cache configuration. By analyzing both the data schemes (metadata) and the data consumption (traffic) and using mathematical models and data mining techniques, SafePeak creates optimized caching patterns and improves them over time. SafePeak cache supports read-write database transactions and is dynamically modified by a coherence protocol, ensuring 100% data integrity at all times. Optional manual configuration allows customers to perform fine-tuning optimizations, by specifying their unique, pre-defined use-cases.

Features & Benefits:

- Plug & Play Software
- Rapid Resolution of Latency and Bottlenecks
- Scalability of Up to 10x
- Performance Improved 2x to 10x
- Flattens Traffic Peaks
- Reduces Upgrade Cost and Time
- Rapid Return on Investment
- Fast and Straightforward Deployment

Ensuring High Availability for Multiple Database Instances at Once

A single SafePeak instance has out-of-the-box capability to serve multiple databases for increased scalability and performance. To ensure continuous high availability, SafePeak employs a load balancing network proxy deployed in an active/passive cluster configuration between the front-end client application and SQL Server. This high availability solution has been optimized and tested to run resource intensive applications and databases with minimal performance overhead.

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