



The Intelligent Database Proxy **HEIMDALL DATA**

The Heimdall Proxy manages connections to improve SQL performance, reliability & visibility. How are we unique?

- No application changes
- Database vendor neutral
- Save up to 50% on your database costs

Distributed Query Caching
You choose the cache (e.g. Redis) and we intelligently cache and evaluate SQL results. No more manual TTL, or expiry configuration. Benefits:


1. Improve response times and database scale.
2. Offload SQL and save database costs

ReadWrite Split with Strong Consistency
Scale out your database tier without application changes. Queries are routed to the primary writer and read replicas with Replication Lag Detection. This ensures data retrieval is up-to-date for ACID compliance.

Advanced Connection Pooling
Granular per user and per database connection limits to guarantee fairness and protect database resources. Reduce connections at a 1000:1 ratio.

Active Directory / LDAP Integration
Heimdall Proxy's full integration with Active Directory not only authenticates users, but also uses group membership to manage user roles, automating authorization. This migrates user management onto the helpdesk instead of IT teams, simplifying operations.

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The Intelligent Database Proxy


Whitepaper

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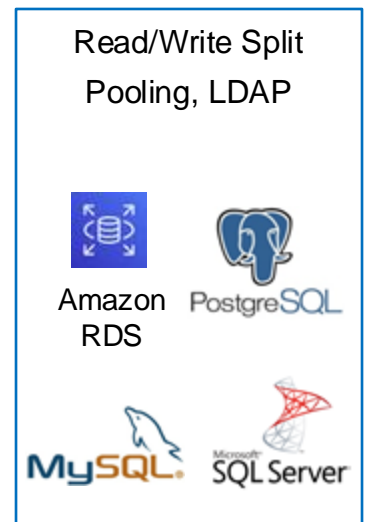
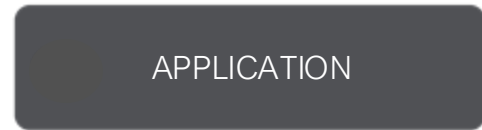
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Use Case	Feature	Customer Benefit
Performance & Scale	<ul style="list-style-type: none"> • Auto-caching at the application tier • SQL routing to optimal data sources 	<ul style="list-style-type: none"> • Improve application performance 20x • Reduce database costs by 50%
Horizontal Scale-out	<ul style="list-style-type: none"> • Read/Write split • Replication lag detection 	<ul style="list-style-type: none"> • Improve scale without code changes • Efficient load balancing across readers • Guarantees up-to-date data retrieval
Active Directory / LDAP Integration	<ul style="list-style-type: none"> • Authentication • Authorization • Just-in-time provisioning • One-click reports 	<ul style="list-style-type: none"> • Immediate access termination when a user leaves the group • Automated password reset, without additional Help Desk personnel • Audits who accessed what data, and when.
Persisted Connection Database Failover	<ul style="list-style-type: none"> • Application-aware DB failover • Cluster-aware • Manages promotions 	<ul style="list-style-type: none"> • Maintain 100% application uptime during failures and maintenance upgrades
Visibility	<ul style="list-style-type: none"> • SQL Analytics • Query plan views 	<ul style="list-style-type: none"> • Developers and DBA's get safe access to production analytics • Identifies performance bottlenecks

About Heimdall Data

Heimdall Data is a leading innovator in database security and optimization solutions, transforming how businesses manage their data. The Heimdall architecture was designed without the need to modify the application or database. Configuration changes are updated at runtime without restarting the application.

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Contact us at info@heimdalldata.com.

