

Not Just Monitoring. Intelligence.

DPSMF is a self-learning SQL Server management platform that doesn't just watch your database — it understands it, reasons about it, and surfaces answers before your on-call team knows there's a question.

16

MONITORING
TOOLS

287

API ROUTES

88

DB TABLES

42

ALERT RULES

WHAT IT MONITORS

- System Health
- Sentinel AI Copilot
- Deadlock Analyzer
- Alert Engine
- Query Performance
- Wait Stats Analysis
- Knowledge Graph
- SQL Agent Jobs
- Backup Compliance
- Index Health
- Connection Monitor
- Execution Plans
- Security Audit
- Space Monitor
- TempDB Monitor
- Log Viewer



Real-Time Collection

30-second collection cycle at peak load. CPU, memory, I/O, waits, sessions, TempDB, and per-database metrics — all live.



Sentinel AI Copilot

Ask questions in plain English. Get targeted DMV queries, config reviews, index recommendations — with a full evidence trail.



Security-First Design

19 automated checks across 6 categories. Built in direct response to the 2024 Change Healthcare breach.

30s

PEAK COLLECTION

42

ALERT RULES

136

KG TOPICS

10

KG DOMAINS

29K

LINES OF CODE

MONITORING & PERFORMANCE



Real-Time Monitoring

16 dedicated monitoring tools

System health, wait stats, connections, space, backups, query performance, index health, TempDB, deadlocks, and SQL Agent jobs — all with 30-second auto-refresh and live KPI cards.

System Health

Wait Stats

Backup RPO



Performance Analysis

Query tuning · Plans · Index advisor

Top queries by CPU, reads, and duration. Execution plan visualizer parsing ShowPlanXML across 20+ operator types. Index health with fragmentation scoring and maintenance script generation.

Query Tuning

Plan Visualizer

Index Advisor

INTELLIGENCE & AI



Sentinel AI Copilot

Powered by Claude AI · Full evidence trail

Plain-English questions become targeted DMV queries. Analyzes execution plans, audits 14 server parameters, and provides complete reasoning chains — every recommendation backed by evidence.

Claude AI

Natural Language

Audit Trail



Knowledge Graph

136 topics · 10 domains · 5-tier trust

Self-building intelligence with force-directed graph visualization, automated reasoning chains, and a five-tier source trust system. Learning scorecard with Bronze/Silver/Gold badge levels.

136 Topics

10 Domains

5-Tier Trust

SECURITY & ALERTING



Security Audit Engine

19 checks · 6 categories · A-F grade

Authentication, Authorization, Encryption, Surface Area, Auditing, and Network checks. Per-finding T-SQL fix scripts. Built directly in response to the 2024 Change Healthcare breach.

19 Checks

6 Categories

Fix Scripts



Alert Engine

42 rules · 2-level escalation

Server-wide and per-database rules with configurable thresholds. Unacknowledged alerts auto-escalate. Full chronological history with inline acknowledge and resolve. Maintenance windows supported.

42 Rules

Escalation

Per-DB Scope



Why Security Is Non-Negotiable

The 2024 Change Healthcare breach — the largest healthcare data breach in US history — was enabled by absent MFA and misconfigured database access controls. DPSMF surfaces exactly these failure modes before they become incidents. Every check has a severity rating. Every finding has a fix script. Every action is logged.