

# VAULT SECURITY SOLUTIONS – VIRTUAL DBA

## Introduction

In today's fast-paced business environment, maintaining an efficient, secure, and reliable database infrastructure is crucial. Vault Security Solutions offers comprehensive Database Administration (DBA) services tailored to meet your organization's needs.

Our tiered service model—Silver, Gold, and Platinum—ensures you get the right level of support, security, and expertise to keep your databases running smoothly.

## The Need for Virtual DBA

- **Growing Demands:** As your business grows, the demands on your database systems increase.
- **Optimal Performance:** Ensuring your databases run efficiently and effectively can be challenging without specialized expertise.
- **Maintaining Security:** Protecting your data from threats requires continuous attention and specialized knowledge.
- **Future Planning:** Planning for future growth and scalability necessitates expert guidance and strategic planning.
- **Focus on Core Activities:** Vault Security Solutions provides scalable, expert DBA services, allowing your team to concentrate on core business activities.

OFFERINGS	SILVER	GOLD	PLATINUM
<b>SUPPORT</b>			
HEALTH CHECKS: REGULAR ASSESSMENTS OF DATABASE HEALTH, IDENTIFICATION OF POTENTIAL ISSUES, RECOMMENDATIONS FOR IMPROVEMENTS	✓	✓	✓
TROUBLESHOOTING: RAPID ISSUE IDENTIFICATION AND RESOLUTION, MINIMIZATION OF DOWNTIME, DETAILED INCIDENT REPORTS	✓	✓	✓
MENTORING: GUIDANCE FOR YOUR IN-HOUSE TEAM, BEST PRACTICE SHARING, ONGOING TRAINING SESSIONS	✓	✓	✓
PERFORMANCE TUNING: IDENTIFICATION OF PERFORMANCE BOTTLENECKS, OPTIMIZATION OF QUERIES AND INDEXING, CONTINUOUS PERFORMANCE MONITORING	✗	✓	✓
BEST PRACTICES: IMPLEMENTATION OF INDUSTRY BEST PRACTICES, REGULAR UPDATES AND REVIEWS, CUSTOMIZED RECOMMENDATIONS	✗	✓	✓
APPLICATION TEAM SUPPORT: COLLABORATION WITH YOUR APPLICATION TEAM, DATABASE INTEGRATION SUPPORT, PERFORMANCE OPTIMIZATION ADVICE	✗	✓	✓

SQL CODE REVIEW: DETAILED REVIEW OF SQL CODE, OPTIMIZATION AND BEST PRACTICES, ERROR AND VULNERABILITY CHECKS	✗	✓	✓
STATUS AND STRATEGY: STRATEGIC DATABASE PLANNING, REGULAR STATUS UPDATES, LONG-TERM ROADMAPS	✗	✗	✓
24x7 ON-CALL SUPPORT: ROUND-THE-CLOCK SUPPORT, IMMEDIATE ISSUE RESOLUTION, PROACTIVE MONITORING	✗	✗	✓
<b>SECURITY</b>			
AUTHENTICATION: IMPLEMENTATION OF SECURE AUTHENTICATION MECHANISMS, INTEGRATION WITH EXISTING SYSTEMS, REGULAR UPDATES TO MAINTAIN SECURITY	✓	✓	✓
USER ACCESS: MANAGEMENT OF USER PERMISSIONS, ROLE-BASED ACCESS CONTROL, REGULAR AUDITS TO ENSURE COMPLIANCE	✓	✓	✓
ASSESSMENTS: COMPREHENSIVE SECURITY ASSESSMENTS, IDENTIFICATION OF VULNERABILITIES, MITIGATION RECOMMENDATIONS	✗	✓	✓
IMPLEMENTATIONS: DEPLOYMENT OF SECURITY SOLUTIONS, ENCRYPTION AND DATA PROTECTION, COMPLIANCE WITH INDUSTRY STANDARDS	✗	✓	✓
MANAGEMENT: COMPREHENSIVE SECURITY MANAGEMENT, REGULAR AUDITS AND UPDATES, INCIDENT RESPONSE PLANNING	✗	✗	✓

AUDITS: THOROUGH SECURITY AUDITS, COMPLIANCE CHECKS, DETAILED REPORTING	✗	✗	✓
<b>DATABASE</b>			
TABLE MODIFICATIONS: SCHEMA ALTERATIONS TO MEET BUSINESS NEEDS, DATA INTEGRITY CHECKS, PERFORMANCE IMPACT ANALYSIS	✓	✓	✓
STORED PROCEDURES: DEVELOPMENT AND OPTIMIZATION OF STORED PROCEDURES, CODE REVIEW AND ENHANCEMENTS, EFFICIENT EXECUTION PLANNING	✓	✓	✓
SCHEMA DESIGN: DESIGN OF ROBUST DATABASE SCHEMAS, NORMALIZATION AND OPTIMIZATION, SCALABILITY PLANNING	✓	✓	✓
INSTALLS CONFIGURATIONS: CUSTOM CONFIGURATION TO MEET YOUR NEEDS, PERFORMANCE TUNING DURING SETUP	✗	✓	✓
PATCHING/UPGRADES: REGULAR APPLICATION OF PATCHES, MAJOR VERSION UPGRADES, MINIMIZATION OF DOWNTIME	✗	✓	✓
CAPACITY PLANNING: ANALYSIS OF CURRENT AND FUTURE NEEDS, SCALABLE SOLUTIONS, RESOURCE OPTIMIZATION	✗	✓	✓
DATABASE/SYSTEM MANAGEMENT: FULL MANAGEMENT OF DATABASE SYSTEMS, CONTINUOUS MONITORING, PERFORMANCE OPTIMIZATION	✗	✗	✓
LOAD BALANCING: IMPLEMENTATION OF LOAD BALANCING SOLUTIONS, ENSURING HIGH AVAILABILITY, RESOURCE DISTRIBUTION MANAGEMENT	✗	✗	✓

SYSTEM DOCUMENTATION: COMPREHENSIVE DOCUMENTATION OF SYSTEMS, REGULAR UPDATES, KNOWLEDGE TRANSFER	✗	✗	✓
<b>DATA</b>			
DATA EXTRACTION: SAFE AND EFFICIENT DATA RETRIEVAL, CUSTOM EXTRACTION SCRIPTS, DATA EXPORT FOR ANALYSIS	✓	✓	✓
DATA TRANSFORMATIONS: DATA CLEANING AND FORMATTING, INTEGRATION WITH OTHER DATA SOURCES, AUTOMATED TRANSFORMATION PROCESSES	✓	✓	✓
DATA LOADING, MANUAL OR AUTOMATED: DATA IMPORT SOLUTIONS, AUTOMATED LOADING PROCESSES, ERROR HANDLING AND LOGGING	✓	✓	✓
BACKUP/RECOVERY: REGULAR DATA BACKUPS, QUICK RECOVERY SOLUTIONS, VERIFICATION OF BACKUP INTEGRITY	✗	✓	✓
REPLICATION: IMPLEMENTATION OF DATA REPLICATION STRATEGIES, HIGH AVAILABILITY SETUPS, CONTINUOUS DATA SYNCHRONIZATION	✗	✓	✓

## **Conclusion**

With Vault Security Solutions, you gain a trusted partner dedicated to ensuring your database infrastructure is robust, secure, and optimized. Choose the tier that best meets your needs and let our experts handle the rest. Contact us today to learn more about how we can support your business.