peer1 hosting

PING & PEOPLE

Pull Peak Power From Your Database

Extraordinary Performance Boosts – Dedicated Solution Team – Experienced Database Administrators

Let PEER 1 Hosting work with you to get optimal performance out of your enterprise and application databases

Most applications—especially those that support enterprise processes, enact commerce or facilitate collaboration—are database applications. Here, application performance depends on database performance. And they're two very different things. Your application can have lean and elegant code. Your database queries can be tightly optimized. But the structure and configuration of the database can create huge performance hits.

There are dozens, sometimes hundreds, of configuration settings that can be tuned to create an optimally performing database. When the database is installed, defaults are applied to most of these settings. For some settings there are customization tools—forms and wizards. But for underlying functionality—the functionality that drives efficiency, performance and reliability—there are no wizards. No simple way to control them. To get them precisely focused requires not a user manual, but an expert.

This includes things like:

- Cache management
- Disk allocation
- Memory allocation
- Server suitability and usage
- Storage and disaster recovery procedures
- Structure and design

For these, and more, companies either accept the defaults—and the downsides to them—or assign a database analyst to examine, re-architect and restructure the database so it's optimized for the exact environment in which it operates.

PEER 1 HOSTING DATABASE ADMINISTRATION PROGRAM

PEER 1 Hosting provides exactly that expertise through the Database Administration Program (DAP). The DAP assigns a seasoned Microsoft SQL Server or MySQL database architect to work directly with you to pull out every possible performance improvement from your database.

BENEFITS

Performance Boost. Enjoy every pound of performance from your database. We'll optimize your database infrastructure, identify query improvements and implement smart data storage strategies.

Lower Infrastructure Costs. Reduce hardware and bandwidth costs by tightly tuning the integration of data, servers, storage and network.

Problem Prevention. Spot potential performance dangers and problems—and correct them—before they occur.

Precisely Tuned Access. Analyze and optimize the structure and syntax of your data queries to optimize their performance and reduce duplicated and unnecessary steps.

OVERVIEW

The PEER 1 Hosting Database Administration Program focuses on three critical areas.

Database Design and Installation. How you design and deploy your database at the start has a significant impact on how well that database performs and adapts over time. Let us help with every phase of design, deployment and optimization. From basic database installation to schema design and from security preparation through ongoing maintenance planning.

Database Maintenance. In any database-dependent environment, the administration is the largest burden. Ensuring connectivity is always on, attacks are prevented, and user satisfaction is high is a round-the-clock responsibility. Let PEER 1 Hosting take it on. We'll handle patch management and user account management, failover monitoring and cluster monitoring, and more.

Database Measurement. The proof is in the performance and to ensure best performance you have to be constantly measuring and reporting. Let us keep constant vigil over how your database is performing. We'll conduct monthly and quarterly performance checks, make recommendations for tuning and optimization, and more.

SERVICES HIGHLIGHTS

Design and Installation

Installation. We'll install and verify that your database is properly configured for your specific needs and environment.

Design. We'll provide initial design advice, and ongoing help revising, adjusting and streamlining schema.

Database Objects Creation. We'll work with you to create database objects including tables, stored procedures, views, users and functions.

Database Maintenance

Performance Tuning. Reduce potential bottlenecks that could slow or crash your database. We'll provide recommendations for improving database performance, including rewriting queries and adjusting system parameters.

Bug Fixes. Be patched and current with your database. Vendors occasionally release patches to fix specific bugs. DBA services engineers will install patches as they become available. Patch history is available to you through a patch log maintained by PEER 1 Hosting.

Full Database Recovery. Be disaster ready. Get full database backups and recovery via local or remote backup. You can also take advantage of our enterprise-level Tivoli backup solution.

Database Measurement

SQL Service Monitoring. We'll perform full TCP/3306 monitoring in an open state plus full service SQL monitoring using an advanced API through Concord Monitoring.

Full Statistics. Get full reports on physical disk I/O statistics, query execution time, CPU and memory usage, table locking statistics, and query cache hits.

Database Measurement *continued from previous page*

Overall Health Check. Receive quarterly reviews on how your database is meeting demand including performance, maintenance, and suggestions on how to keep your database running in peak condition.

FAST SCHEDULING

We'll respond to your request for non-emergency DAP Services rapidly, scoping and scheduling the service to meet your priorities.

PLAN STRUCTURE

There are three tiers to the Database Administration Program. They provide different levels of services for each of three service categories.

- Tier 1 is our core offering, providing services from each of the three categories.
  Tier 1 is a one-hour-per-month engagement.
- Tier 2 provides the full set of design/implementation and measurement services, and many of our maintenance services.
  Tier 2 is a two-hour-per-month engagement.
- Tier 3 is the complete package, offering all services from all three categories.
  Tier 3 is a four-hour-per-month engagement

Here's a complete breakdown of each Tier

DATABASE ADMINISTRATION SERVICES TIERS

	TIER 1 One hour per month	TIER 2 Two hours per month	TIER 3 Four hours per month
DESIGN / IMPLEMENTATION			
Installation	●	●	●
Initial database design assistance	○	●	●
Database objects creation	○	●	●
Security and vulnerability review	○	●	●
Database maintenance plan creation	○	●	●
Database schema changes	○	●	●

DATABASE ADMINISTRATION SERVICES TIERS *continued from previous page*

	TIER 1 One hour per month	TIER 2 Two hours per month	TIER 3 Four hours per month
MAINTENANCE			
Connectivity support	●	●	●
24/7 database support	●	●	●
Database patch management	●	●	●
Troubleshooting assistance	●	●	●
Database user account management	○	●	●
Database cluster support	○	○	●
Cluster monitoring	○	○	●
Failover monitoring	○	○	●
Hardware recommendations	○	○	●
Cluster troubleshooting	○	○	●
Install/configure cluster software	○	○	●
MEASUREMENT			
Database monitoring	●	●	●
Database performance/tuning recommendations	○	●	●
Database recovery/restore from backup/logs	●	●	●
Quarterly health check and review	○	●	●
Maintenance plan monthly check	○	●	●

PUT OUR EXPERTS TO WORK FOR YOU

The PEER 1 Hosting DAP database experts will deliver critical and measurable improvements in database response and performance. And that makes work more efficient, costs more controlled and—most importantly—customers most satisfied.

CONTACT US TODAY

- Call us at **1.866.579.9690**
- Go to **www.peer1.com** and chat with an online sales assistant.

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