Database Expert Service

Product Introduction

Product Documentation

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Product Introduction
Overview

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Database Expert Service (DBexpert) is a collection of specialized database services provided by the TencentDB experts, such as database architecture design, disaster recovery design, and health diagnosis, which help you get a suitable database design plan before, during, and after cloudification and solve different database problems.

Service Content

Database scheme design

The DBexpert team provides professional advice based on your business characteristics when your business system requires improvements in database performance, security, disaster recovery, etc.:

- Database architecture design: for business systems that have not been launched, DBexpert offers comprehensive architecture design consultancy with regard to distributed architecture, high availability, disaster recovery, and so on; for launched businesses, it analyzes business systems and database architectures to locate the risks and performance bottlenecks and then suggests temporary and permanent solutions accordingly.
- Disaster recovery scheme design: in comprehensive consideration of issues such as resource environment, database architecture, system pressure, and security, DBexpert checks, analyzes, and assesses your database system in an all-round manner to help you optimize bottlenecks and eliminate potential risks.
- Industry-Specific database solution design: DBexpert helps you design a low-risk high-availability technical architecture based on the characteristics of your industry and actual business scenario by leveraging the experience in designing various successful architectures of Tencent Cloud.

Database health diagnosis

For your TencentDB instances or self-built databases, if they are not fully optimized, poorly designed, or about to hit a business bottleneck, DBexpert can help you assess and test the database performance to discover and locate system risks and then adjust and optimize database configurations.

- Capacity model assessment: DBexpert assesses the applicability of your database capacity by checking the resource usage of the database system.
- Performance analysis: DBexpert uses different methods such as data monitoring and stress testing to assess your current TencentDB system resource usage and calculate the achievable optimal performance metric values.
- Bottleneck and risk assessment: in comprehensive consideration of issues such as system resource environment, database architecture, and system pressure, DBexpert locates, analyzes, and assesses the bottlenecks and potential risks of your database system.

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Support from database experts

Tencent Cloud's own experts provide multidimensional database support services, including:

- Database architecture design: DBexpert designs distributed and high-availability database architectures that meet various needs in different industries.
- Database performance diagnosis and tuning: DBexpert diagnoses and troubleshoots problems during database use.
- Data security consultancy: DBexpert improves the overall database security capabilities.
- Database audit: DBexpert manages the compliance of database operations by auditing them in a fine-grained manner. If an incident occurs, it can generate compliance reports to trace the root cause by logging, analyzing, and reporting user accesses to databases. In addition, it strengthens the logging of database behaviors over private and public networks to further improve the data asset security.

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Strengths

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Experienced Team

All members of the DBexpert team have been working in the database field for over a decade with rich experience in architecture design, troubleshooting, and other aspects in database businesses.
They are not only good at solving database problems with Tencent's internal businesses but also experienced in helping customers tackle business challenges.

Tech Giant-Grade Support

The DBexpert team not only protects the security of Tencent's various high-traffic businesses, but also supports small- and medium-sized businesses in the Tencent ecosystem. It has accumulated ample solutions to avoid different database problems and ensure smooth operations for small, middle, and large businesses.

Wide Variety of Service Cases

Currently, DBexpert is widely used by more than 100 enterprises in their projects covering database architecture design, disaster recovery solution design, database health diagnosis, and other supportive services. Most of the services are oriented to the core businesses of customers and well recognized.

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Use Cases

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Database System Unavailability

When your database experiences unavailability, data loss, concurrency problem, read/write problem, or other performance bottlenecks, the DBexpert team can step in to help you locate and solve problems.

Unreasonable Database Architecture Design

When your new business encounters an architecture design problem, or your existing business experiences problems due to an unreasonable architecture, the DBexpert team can use its rich experience with architecture design to help you solve the problems.

Major Database Business Scenarios

When your major business campaigns such as ecommerce promotions require database support, the DBexpert team can leverage its broad experience with large-scale event management to help you tackle business peaks.

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