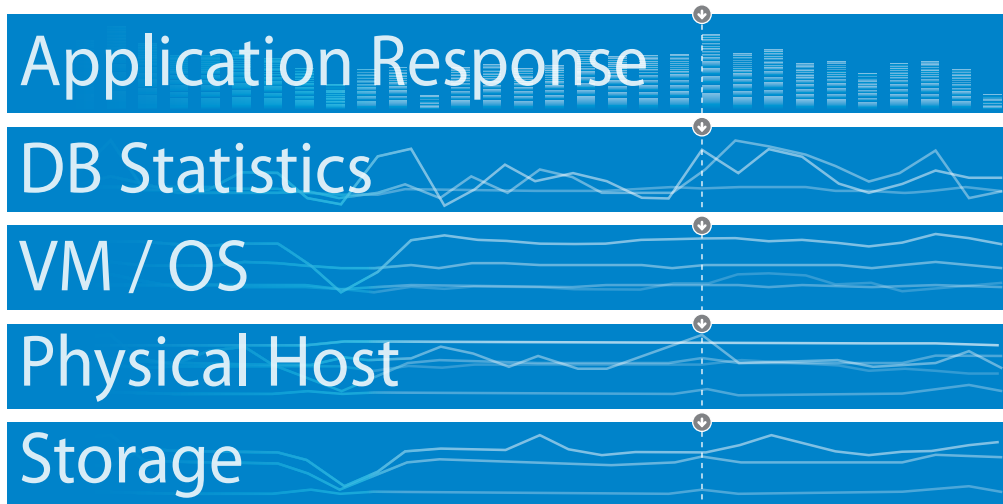# Database Performance Analyzer VM Option

SolarWinds® Database Performance Analyzer is a performance monitoring tool for database administrators running databases on VMware, helping them achieve high performance and reliability.

Quickly Identify the Root Cause of Performance Issues on VMware

IT needs visibility when databases are moved from physical to virtual servers. VMware® tools do not cover the database layer, and conventional database tools cannot capture meaningful resource information from virtual servers. DBAs cannot manage what they cannot see.

Database Performance Analyzer is the only monitoring tool that exposes the multiple layers of the database and virtual machine architecture, including database instance, virtual server and physical host server resources. By knowing what changes in the virtual server impact CPU, memory, or I/O, a DBA can ensure reliable operations and service levels.

Multi-layer visibility reveals when changes to the VM or storage layer impact database performance.

Accelerate Database Performance on VMware

When running critical databases on VMware, DBAs and IT managers must ensure effective monitoring across the software layers to prevent situations that might create performance issues. Database Performance Analyzer enables the DBAs and VMware administrators to work together to ensure top database performance on VMware.

Database Performance Analyzer helps:

- Accelerate the cost-savings realized by moving databases to VMware

- Establish proactive monitoring for VMware hosted databases

- Avoid costly service interruptions from unseen virtual server-database interaction

Download a free product trial and start monitoring your environment in minutes.

⬇ DOWNLOAD FREE TRIAL

Fully Functional for 14 Days

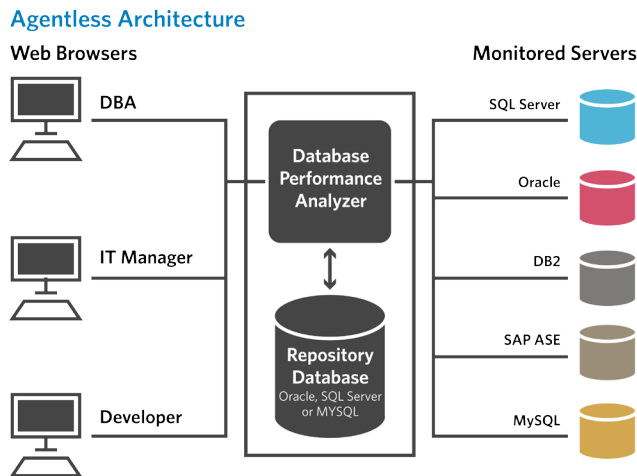www.SolarWinds.com/DPA-Download

Database Performance Monitoring on VMware

- Safe, non-intrusive access for DBAs to see VMware configurations and statistics that directly impact the database.

- View actual available server resources, not the erroneous data "seen" by the database in the virtual server.

- Understand database impact of virtual machine between host servers.

- Monitor impact of of VMware vMotion changes on database performance.

Agentless, Non-Intrusive Architecture

Database Performance Analyzer uses an agentless architecture with no software installed on monitored databases, virtual servers, or the vCenter server. Requiring read-only access, and without exposing VMware passwords to users, it is the safest way to give DBAs access to necessary virtual server data.

Database Performance Analyzer can connect to vCenter or directly to the ESXi hosts to gather VMware statistics. Agentless monitors capture database statistics directly from each instance.

Agentless Architecture

Web Browsers — DBA, IT Manager, Developer

Database Performance Analyzer

Repository Database
Oracle, SQL Server or MYSQL

Monitored Servers — SQL Server, Oracle, DB2, SAP ASE, MySQL

Database Performance Analyzer Agentless Architecture

KEY Advantages

- See real statistics. When a database is running on a virtual host, common measures of CPU utilization and availability, memory usage, and I/O capacity are meaningless. Database Performance Analyzer captures the real statistics from VMware and exposes them to the DBAs.

- Monitor rapidly changing resources. On a virtual server, CPU, memory, and I/O performance are subject to instantaneous changes by the VMware administrator, or even dynamic changes by VMware "vMotion." Database Performance Analyzer explicitly shows when changes occur.

- Understand I/O bottlenecks. Correlate database I/O response time delays with I/O resource constraints at the virtual and physical server to get a true picture of how VMware is affecting database output.

- Get a clear, simple picture. vCenter is complex and makes it difficult for the DBA to determine what affects the database.

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Requirements

- VMware® ESX®, ESXi™ 5.1, 5.5

- VMware vCenter 5.1, 5.5

- Monitor these databases running on VMware

  - Oracle® 11g, 12c

  - SQL Server® 2008, 2012, 2014, 2016

  - MySQL® 5.6, 5.7

  - DB2 LUW 9.x, 10.1, 10.5

  - SAP ASE 15.0.x, 15.5, 15.7, 16

- Database Performance Analyzer – VM Option runs on Windows® and UNIX®/Linux® servers.

- Database Performance Analyzer repository: SQL Server 2008, 2012, 2014, 2016 or Oracle 11g, 12c or MySQL 5.6, 5.7. Repository instance can be on the same or a different server than Database Performance Analyzer