Database Analysis

as a Service

What is Database Analysis?

Database Analysis

Analyzing your Oracle and SQL databases gives you valuable insight into whether your databases are optimally configured for the required workload. Slow-running databases are often a major cause of generic performance issues throughout organizations. On top of that, the security threats we face today require us to stay up to date and run on supported software. This and more will be checked during the Quistor Database Analysis.

Why a Database Analysis?

1 You will know if your system is under- or oversized for the workload it is given

2 Enables you to track and understand how your records are used and gives you visibility into any risks of misuse or breach

3 Bottlenecks are identified and possible solutions are given

4 You will be made aware if the system is supported and patched to the latest level

5 Find out if the database could run more cost-effectively on another platform

6 Advice is given if backup and restore procedures fit the business requirements

7 Make sure that you do not miss out on business opportunities requiring the storage of user data

Results

The results of a Database Analysis executed by Quistor, enable Quistor to suggest improvements to the database, such as:

Database performance improvement

Assure robust backup and recovery plans

Upgrade databases to keep them secure and supported

Database migration advice (to Oracle Cloud, Exadata or Autonomous Database in OCI)
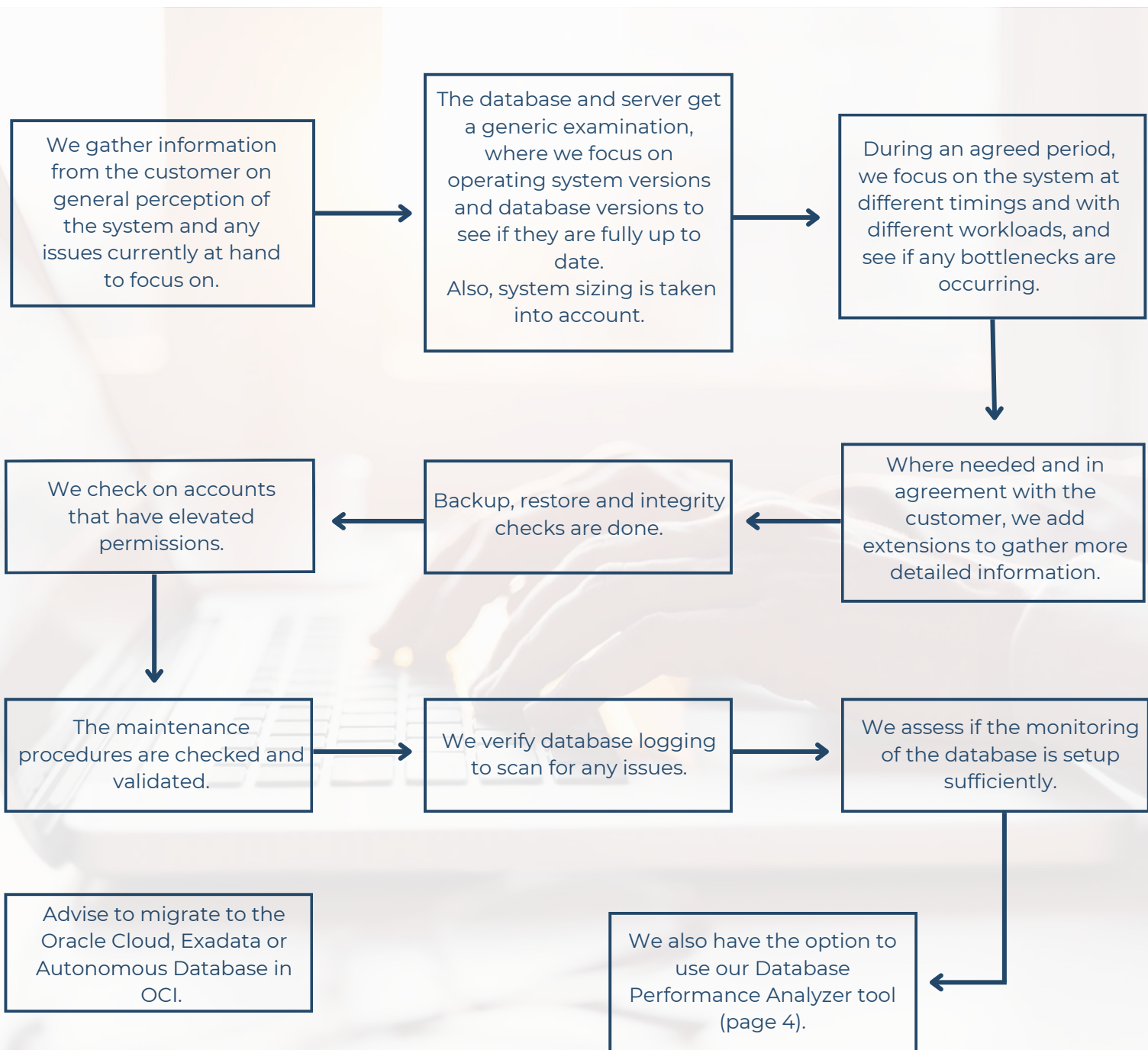
Offload the database by replicating your data

Stay on top of incidents with Monitoring

How does it work?

Database support is one of Quistor's core businesses. We have a big team of highly experienced professionals in both Oracle and SQL Server databases who work with databases on a daily basis in a multitude of different environments and configurations, both on-premise and in the cloud. This experience is invaluable for assessing any database.

If your organization chooses to run a Database Analysis with Quistor, these are the different steps that will be taken:

We gather information from the customer on general perception of the system and any issues currently at hand to focus on.

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The database and server get a generic examination, where we focus on operating system versions and database versions to see if they are fully up to date.
Also, system sizing is taken into account.

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During an agreed period, we focus on the system at different timings and with different workloads, and see if any bottlenecks are occurring.

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We check on accounts that have elevated permissions.

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Backup, restore and integrity checks are done.

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Where needed and in agreement with the customer, we add extensions to gather more detailed information.

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The maintenance procedures are checked and validated.

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We verify database logging to scan for any issues.

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We assess if the monitoring of the database is setup sufficiently.

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Advise to migrate to the Oracle Cloud, Exadata or Autonomous Database in OCI.

We also have the option to use our Database Performance Analyzer tool (page 4).

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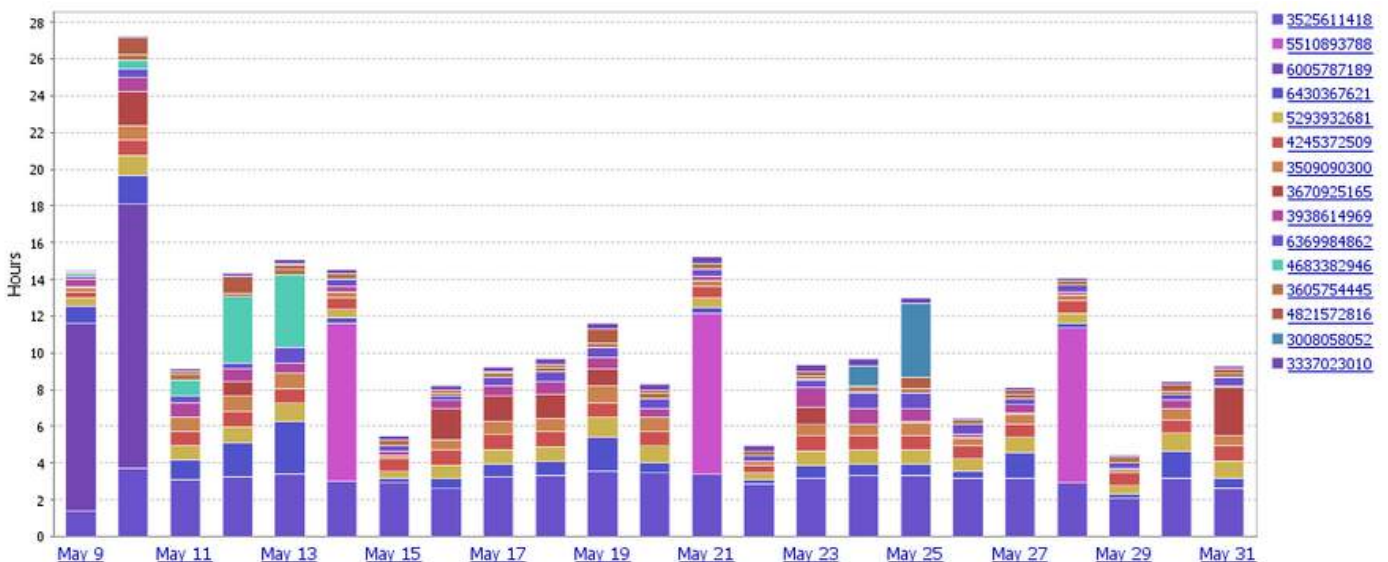# Database Performance Analyzer

What is DPA?

For an even more thorough and accurate Analysis, we monitor your database using our Database Performance Analyzer tool. This tool is used to monitor your database for an agreed period during which we gather a wealth of information about bottlenecks and possible improvements to your database.

Some features of this tool:

- It keeps track of system loads (CPU, memory, disk i/o)
- It keeps a history of queries that ran against the database and makes it clear what statements were waiting for (i/o, concurrency, table scans, memory, etc.)
- You can find the worst queries and tune them
- It reports performance statistics of a common day and shows where deviations from this happened
- It checks which execution plans are used
- And a lot more

A sample screenshot

Our Added Value

With Quistor's Database Analysis, you can choose between two different plans: Database Analysis Basic and Database Analysis Complete. Quistor offers attractive pricing for both plans.

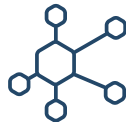|	Database Analysis Basic	Database Analysis Complete
Check patch levels	✓	✓
Check database configuration	✓	✓
Check operating system	✓	✓
Check server sizing	✓	✓
Check workload	✓	✓
Check backup strategy	✓	✓
Report and discuss results	✓	✓
Check on active queries		✓
Optimize query execution plans		✓
Find performance bottlenecks		✓
Optionally: usage of DPA		✓
Optionally: implement improvements		✓

Additional Possibilities

Migrate to the Cloud

Moving your data to Oracle Cloud gives you unlimited capacity, automated data security, and superior resilience, while consolidating resources and removing silos to streamline usage. Whether you are moving transactional, analytic, structured, or unstructured data, Oracle Cloud has the migration tools and Cloud Lift services to move the data into the best-suited cloud service, including Oracle Cloud, Oracle Autonomous Database or Quistor's ExaHotel, which runs on Oracle Exadata.

Benefits

Enhanced agility for your business	Easier restructuring	Improve operational excellence	Easier compliance	Cost-effective

Managed Services Technical

Unburden your organization's IT department with Quistor's technical support services. When hiring our services, Quistor will constantly monitor your organization's applications and its databases for availability and performance. Our service desk is available 24/7, processing system alerts generated by the monitoring, executing tasks outside business hours, and handling tickets and service requests logged by your organization. On all relevant topics we have a large pool of experts, that can be reached at all times to handle and solve critical problems. We perform housekeeping and execute recurring tasks as agreed with the customer. Where possible we automate the execution. We have a dedicated Service Delivery Manager that manages the service delivery.

Benefits

Reduce your IT overheads	Avoid hiring technical or CNC staff	Technical support from expert staff	24x7 monitoring and supportdesk	Automatic analyses and upgrades

About Quistor

18 years experience

Database experts

The right support and advise when needed

Valuable insights

Mediation with Oracle

18 YEARS
10 OFFICES
>300 EMPLOYEES
20 NATIONALITIES
250+ GLOBAL CLIENTS

JD Edwards

Managed Services

Business Analytics & Big Data

Cloud

Database Technology Solutions

Application Development

We invite you to reach out to us for any inquiries or further information regarding our Database Analysis as a Service offering.

QUISTOR