

Oracle Performance Analysis Service (O-PAS)

Poor database performance can have a negative impact on end user experience. Use our new service to analyze your Oracle performance.



Is your organization wasting thousands of hours and dollars each year because your storage performance isn't responsive enough?

Violin offers an advanced online Oracle Performance Analysis Service (O-PAS) that will help you discover answers to the following:

- How efficiently are your Oracle servers being used?
- How much time does Oracle spend waiting on storage?
- How is your current storage system coping?
- What is the potential to improve the performance of your Oracle Apps?
- Are you over-provisioned on CPU?

Highlights

Real-World Reporting Insights

These are just a few of the real world insights and measurements that your report will include to help you make an informed decision:

- **CPU Time vs I/O Wait Time.**
If the time spent waiting on I/O is higher than the time spent working on CPU, it can indicate that your storage subsystem is a major bottleneck in the database and the CPUs are under-utilized as a result.
- **I/O Wait Overview.**
This is an excellent overall indication of how your current storage is impacting database performance, potentially causing poor end user experience.
- **Time Lost Waiting on I/O.**
This directly translates to lost productivity. You will see exactly how much time is wasted waiting for I/O calls to complete during busy periods.

Overcoming the challenges

At Violin we have learnt that over 80% of application performance issues are related to databases being starved of resources by the underlying storage infrastructure.

Violin offers a simple and automated service for customers to remove the complexity of collecting, analyzing and decision making for their Oracle database solutions.

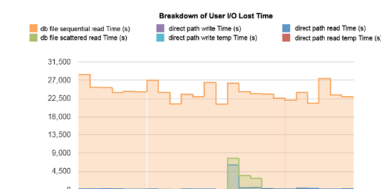
Violin's advanced O-PAS service can provide you with a comprehensive report detailing areas where massive performance improvements can be gained.

How to get your detailed report

To receive your bespoke report, simply visit <http://awr.vmem.com> and follow the instructions for uploading a range of database AWR reports.

Your O-PAS report will be automatically generated and returned within 2 working days, with an offer to explain the findings and discuss the possible solutions in more detail.

A breakdown of I/O wait events shows where the time was lost waiting:



Wait	Time Lost Waiting on I/O (seconds)
db file sequential read	28588
db file scattered read	7746
direct path read	6096
direct path write	187
direct path write temp	0
direct path read temp	0

Violin Memory provides sub-millisecond latency and therefore dramatically reduces the time lost waiting on I/O calls to complete. This effectively gives back the lost time to the application, which can use it to do more work and allow end users to become more productive. The business will be able to increase the rate at which data is processed, transactions are committed and activities are completed.



There is no charge for this service, which is initially available to organizations in Europe, Middle East and Africa

Violin Flash Memory Arrays address the I/O limitations of traditional storage solutions by storing all the active data in flash memory and providing sustained peak performance for any workload.

Whether you use Oracle database software for data warehousing, online transaction processing (OLTP), or analytics, Violin Arrays ensure the lowest latency for data access, provide high bandwidth, and scale to hundreds of terabytes of data so that even the largest Oracle databases can be stored in flash memory

Best Storage Choice for Oracle Databases

- Up to 15x increase in database performance
- Up to 10x increase in end user experience

All of which can add up to substantial cost savings of:

- Up to 90% reduction in storage infrastructure
- Up to 80% reduction in cores/servers
- Up to 80% reduction in software licenses
- Up to 90% reduction in power, cooling and space

