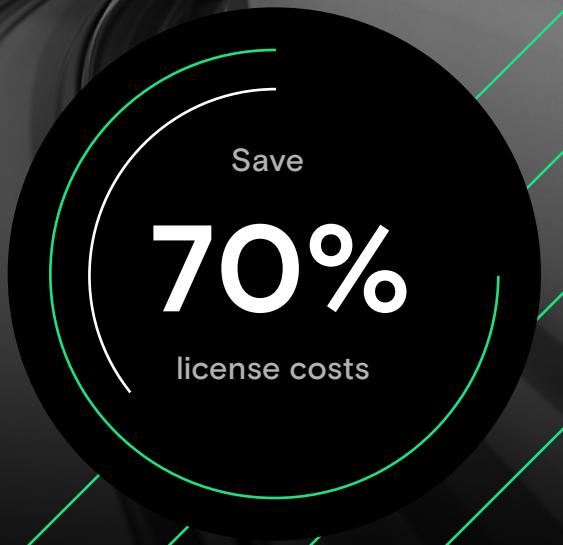
Cut the cost of your per-core Oracle DB license by 70% with no performance loss

ORACLE
DATABASE



SUNLIGHT

EDGE - CLOUD - ON PREM

AT-A-GLANCE

Sunlight Converged Infrastructure Platform

Sunlight is the fastest converged infrastructure platform for commodity hardware consisting of:

Sunlight NexVisor

The NexVisor hypervisor - built from the ground-up to support today's high performance hardware technologies with almost zero overhead

Sunlight SDS

Distributed Software Defined Storage for easy scaling and low latency

Sunlight SDN

Software Defined Networking enabling creation of ethernet-based virtual private networks

Sunlight Dashboard

The easy to use Sunlight Dashboard and API to configure, monitor and manage your virtual datacenter

Cut the Cost of Your Per-Core Oracle DB License **70%**

The Virtualisation/Performance Trade-Off

Your Oracle Database is one of the most performance-critical elements of your business applications. Outages and slowdowns in transaction processing can directly translate to millions of dollars of lost revenue and dissatisfied users, so keeping the database fast, responsive to spikes in demand, and highly available is a business priority.

Multicore processors and large system memory capacity have now moved the performance conversation away from compute to the storage system. Storage solutions supporting virtualized Oracle instances need to handle a dynamic mix of transactional (OLTP) and analytical (OLAP) databases. This requires efficient delivery of both random and sequential read/write performance for all databases across sizable amounts of active data.

Virtualizing your Oracle Database, on-prem or in the cloud, gives great administration flexibility, high availability and scale-out capability, but creates a massive performance penalty compared with bare metal. Throwing high performance technologies such as NVMe storage and NUMA memory at the problem don't work because legacy virtualization platforms can't take full advantage of them. This necessitates deploying more cores and more infrastructure, resulting in far higher IT cost than necessary, both in terms of infrastructure but also Oracle license costs. In AWS, Provisioned IOPS (PIOPS) are necessary for guaranteed IO performance – but add another significant layer of cost.

Virtualisation with Bare Metal Performance

Sunlight solves this challenge by providing the first hyperconverged infrastructure platform that achieves near bare metal performance on commodity hardware - thanks to its NexVisor hypervisor. This enables Oracle to take advantage of the full performance capacity of each host, reducing overall hardware requirements, simplifying architectures, and minimizing Oracle license spend. Sunlight also gives maximum flexibility, as it can run in your own datacenter, or in the cloud – including AWS.

The Fastest Storage IO of any Hypervisor

Sunlight's 100% software-defined infrastructure approach deploys in a snap in under 30 minutes and delivers low-latency performance for virtualized Oracle database and application workloads. Sunlight SDS creates a single shared storage pool from all NVMe storage drives in the cluster, that is accessible by all other VMs in the cluster. There is no need to deal with the complexity of managing separate storage systems with the burdensome tasks of zoning, provisioning, networking setup, and managing VM placement. For high performance, Sunlight SDS serves active data associated with local Oracle VMs from local storage. This strategy eliminates overprovisioning by delivering the right combination of high random read/write I/O and excellent sequential throughput for I/O bound transactional and analytical workloads. In AWS, this also eliminates the need to use Provisioned IOPS, further reducing costs.

Simple Scale-Out

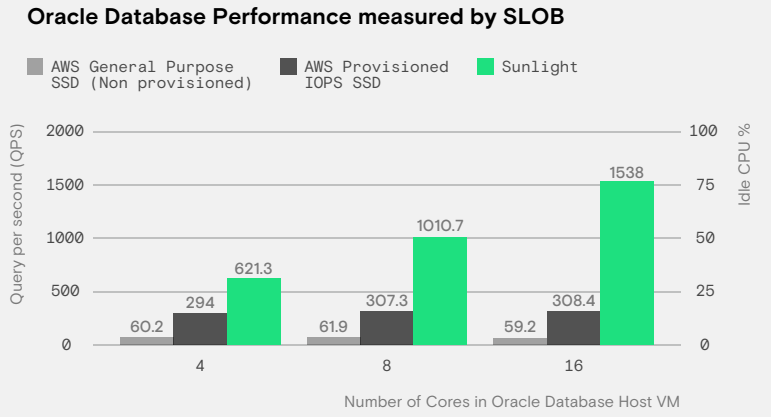
Growing an environment with the patent-pending Sunlight architecture is as simple as non-disruptively adding additional nodes to your existing system. This process takes just minutes and unlike other hypervisor technologies, results in linear scaling of performance and capacity.

Supports your Oracle Investment

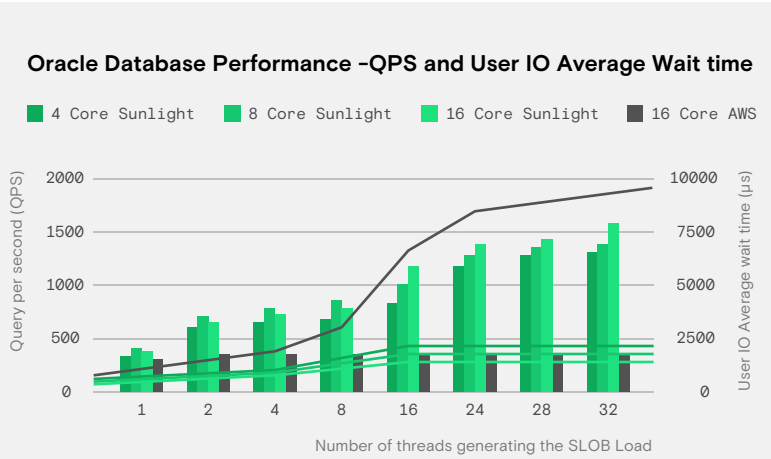
Sunlight's Converged Infrastructure Platform fully supports Oracle RMAN and GoldenGate for backup, recovery and replication.

Sunlight also helps to accelerate time to production, improve software quality, and speed up reporting for test/development and reporting environments. DBAs can create and run full-functioning copies of Oracle environments in minutes thanks to the lightning fast Sunlight storage technology. This gives individuals their own high-performance environment for testing, development, quality assurance, reporting, or training.

SUNLIGHT



- Sunlight in AWS with 4 cores outperforms native AWS with 16 cores and PIOPS
- Sunlight in AWS with 16 cores delivers 2x the performance of native AWS with PIOPS and 10x the performance of native AWS with GP2 storage



See it in action

Find our benchmarking methodology and results at:

performance.sunlight.io ↗

Get started

Try Sunlight

If you'd like to see how Sunlight can solve your Oracle database performance problems with a better ROI than any other hyperconverged infrastructure platform, get in touch for a free trial.

www.sunlight.io/free-trial ↗

sales@sunlight.io

www.sunlight.io

Castle Park, Cambridge, United Kingdom

SUNLIGHT

V1.0 - 9 EFB 2021

Sunlight makes performance possible anywhere - from the cloud to the edge. Demanding applications like AI, Big Data, Analytics and Rendering run 3x faster on Sunlight compared to legacy virtualisation, and because Sunlight has a tiny footprint - it's perfect for the edge. Enterprises and MSPs use Sunlight to cut the costs of delivering high performance IT by 70%. Sunlight is a complete HCI stack that can be deployed on-premise on standard data center hardware, in AWS and on resource-constrained far-edge devices.

www.sunlight.io