

# SPARC Dedicated Compute in the Oracle Cloud

## Frequently Asked Questions

### The Oracle Cloud Powered by SPARC M7

Oracle Compute Cloud Service – Dedicated Compute Capacity – SPARC Model 300 is an infrastructure as a service (IaaS) service running in the that takes full advantage of Oracle's SPARC M7 processor's revolutionary Security in Silicon technology and breakthrough analytics acceleration. SPARC Model 300 runs application, database, and analytics production, development, and test workloads much faster and with less hardware and software than conventional x86-based cloud infrastructures do. Available as a dedicated IaaS offering in Oracle Public Cloud through a cloud subscription model, SPARC Model 300 allows customers to use their existing Oracle software licenses.

### Customer Benefits

SPARC Model 300 offers the following benefits:

- Only Oracle Public Cloud offers customers the choice of SPARC Model 300 with Security in Silicon and analytics acceleration and a best-in-class x86-based cloud infrastructure.
- SPARC Model 300's capacity provides dedicated resources for maximum security and performance by guaranteeing one customer per system—eliminating noisy or nosy neighbors.
- Oracle manages all the hardware, firmware, and initial domain configuration of the SPARC Model 300 capacity, freeing customers to focus on setting up and managing their application environments.
- SPARC Model 300's capacity is licensed through a simple monthly fee based on an annual cloud subscription.
- Customers can bring their own licenses (BYOL) for Oracle software to the SPARC Model 300 service in compliance with existing Oracle IaaS policies.

- SPARC Model 300 in Oracle Public Cloud is the only global cloud platform that offers the superior security and unmatched per-core performance of SPARC M7 processors.

### Frequently Asked Questions

**Q:** What is the SPARC Model 300 cloud service?

**A:** SPARC Model 300 is a new IaaS cloud infrastructure service that runs in Oracle Public Cloud. The new SPARC model of the SPARC Model 300 cloud service's dedicated compute capacity is a simple, secure, and efficient cloud infrastructure for all enterprise workloads that leverages the unmatched security and performance of SPARC processors.

**Q:** What kind of workloads does SPARC Model 300 support?

**A:** SPARC Model 300 is a highly efficient platform for running production, development, and test workloads for enterprise applications, databases and analytics.

**Q:** Why is SPARC Model 300 delivered as dedicated capacity?

**A:** Dedicated compute capacity means that one customer has exclusive use of the hardware, eliminating concerns about other customers acting as noisy neighbors that impact performance or nosy neighbors that raise security concerns.

**Q:** How does SPARC Model 300 in Oracle Public Cloud offer increased security for cloud applications?

**A:** SPARC Model 300 delivers unmatched data and application security through the Security in Silicon feature of the SPARC M7 processor. With virtually no performance impact, SPARC Model 300 offers public cloud users protection from attacks against their data in memory, data on media, or data transmitted over the network. Its unique Silicon Secured Memory protects cloud applications

against memory read and write attacks and programming errors.

**Q:** What are the performance advantages of deploying applications on SPARC Model 300 in Oracle Public Cloud?

**A:** SPARC Model 300 runs on the world's fastest processor, the SPARC M7, which has set over 23 world records and dramatically outperforms x86 for Java, database, in-memory, and security workloads. SPARC Model 300 offers superior performance for real-time analytics through on-chip query acceleration and memory decompression. The SPARC M7 processor also delivers vastly more efficient virtualization than x86, so customers can run more applications in their cloud infrastructures with less resource and performance overhead.

**Q:** Can I bring my existing Oracle software licenses to SPARC Model 300?

**A:** SPARC Model 300 customers will be able to use their existing Oracle Database, middleware, and application software licenses according to the terms of those licenses and in compliance with Oracle's IaaS policies.

**Q:** What parts of my SPARC Model 300 environment will Oracle manage and what will I control?

**A:** Oracle will install, configure, and maintain in the Oracle Cloud the hardware dedicated to a customer and set up the initial virtualized environment. Each customer will then have complete control over its secure and private virtualized user domain.

**Q:** What kind of systems management tools can I use on SPARC Model 300?

**A:** You can use the same management tools on SPARC Model 300 that you use for managing your SPARC servers in your own data center.

**Q:** What does the initial offering of SPARC Model 300 look like?

**A:** The SPARC Model 300 provides 300 cores of dedicated virtual computing power and 32 TB of block storage running Oracle Solaris 11 in the Oracle Cloud. Additional hardware and software configurations are under development.

**Q:** How is SPARC Model 300 in the Oracle Cloud be licensed?

**A:** SPARC Model 300 is an IaaS offering in The Oracle Cloud that is licensed through an annual subscription with monthly billing.

**Q:** Where will SPARC Model 300 be available?

**A:** SPARC Model 300 will be first available in Oracle Cloud data centers in the US. SPARC Model 300 will become available over time at additional Oracle Cloud data centers in other countries.

**Q:** Where can I get more information about SPARC Model 300 in the Oracle Cloud?

**A:** You can learn more about SPARC Model 300 in the Oracle Cloud from the following web pages:

[cloud.oracle.com/compute](http://cloud.oracle.com/compute)  
[oracle.com/servers/sparc](http://oracle.com/servers/sparc)  
[oracle.com/goto/powered-by-sparc](http://oracle.com/goto/powered-by-sparc)



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## Integrated Cloud Applications & Platform Services

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