

Oracle Compute Cloud Service - Dedicated Compute Capacity - SPARC Model 300



Oracle Compute Cloud Service - Dedicated Compute Capacity - SPARC Model 300 (hereafter called SPARC Model 300) is an infrastructure-as-a-service (IaaS) offering that provides computing, block storage, and networking services running on Oracle Cloud that takes full advantage of the revolutionary Security in Silicon encryption, in-memory data protection technology, and breakthrough analytics acceleration in Oracle's SPARC M7 processor. The SPARC Model 300 service allows enterprises to run application, database, and analytics workloads for production, development (dev), and test environments faster and with less hardware and software than competing cloud infrastructures. Oracle is the only global cloud provider that offers both SPARC- and x86-based infrastructure, delivering unmatched simplicity, security, and operating efficiency.

KEY FEATURES

- Public cloud infrastructure running on the world's fastest processor, the SPARC M7
- Secure cloud data with zero-overhead strong encryption for databases and networking
- Always-on protection of cloud data in memory from corruption or attacks with Silicon Secured Memory
- More-efficient use of cloud resources with near-zero-overhead virtualization
- Optimized cloud-based analytics with hardware-based Data Analytics Acceleration (DAX)
- Dedicated compute, storage, and networking resources to protect against noisy and nosy cloud neighbors

Enterprise-Grade IaaS

Oracle Cloud delivers a cloud infrastructure that is uniquely designed for business-critical workloads. You can now move your business-critical applications and other workloads into the cloud, while maintaining security, high availability, efficiency, and control. SPARC Model 300 offers superior value through its unique combination of technical innovation and economic advantages.

- **Simple:** Run your workloads in Oracle's secure cloud and free your team to focus on growth and innovation.
- **Secure:** Gain a competitive advantage from revolutionary hardware-accelerated strong encryption and hardware-based, in-memory data protection technology.
- **Cost efficient:** Run your application, database, and analytics workloads much faster with less hardware and software. Use your existing Oracle software licenses.
- **Flexible:** Deploy the same highly optimized dev, test, and production environments in either Oracle Cloud or your own data center.

KEY BUSINESS BENEFITS

- Speed of innovation and agility: Spin up dev, test, and production environments quickly and tear them down when they are not needed.
- Superior operating efficiency: SPARC Model 300 delivers enterprise-level capabilities with low operating overhead and greater per-core performance.
- Unmatched data protection: SPARC Model 300 secures data in memory, on media, or in transit over the network with virtually no performance impact, and it protects cloud applications against memory read and write attacks and programming errors.
- Predictable performance: Run your Oracle and third-party workloads in a predefined, isolated environment.

ORACLE CLOUD MARKETPLACE

A global marketplace where partners can publish their applications and customers can browse through and discover new solutions for their business needs. Learn more at <https://cloud.oracle.com/marketplace>.

Focus on Growth, Let Oracle Keep the Lights On

SPARC Model 300 provides a complete platform dedicated to your workloads that is installed, run, and maintained by Oracle.

- All of the hardware, firmware, and virtualized instances are installed, operated, and maintained transparently by the Oracle Cloud team. You can create your own virtual machines (VMs), deploy your workloads, and let Oracle manage the infrastructure.
- Dedicated capacity means you enjoy maximum security and performance. One customer per system—guaranteed.
- Get the most value from your software investment with the world's fastest processors and near-zero-overhead virtualization. Utilize your existing Oracle software licenses to extend the value of your existing applications and ease the transition to the cloud.

Designed for Production, Dev/Test, and Disaster Recovery

SPARC Model 300 has the capacity, predictability, and flexibility to support a wide range of enterprise workloads.

- Production applications
 - The SPARC M7 processor is the world's most-powerful compute platform for cloud-based database, Java, and analytics applications.
 - Dedicated compute, storage, and networking resources eliminate “noisy neighbor” resource conflicts and “nosy neighbor” security concerns and create a stable and isolated platform for production applications.
 - The cloud subscription model eliminates economic barriers to migrating to the most-modern infrastructure for your existing UNIX applications.
- Dev/test platform
 - Speed up the application lifecycle by developing and testing on exactly the same hardware and software stack in Oracle Cloud or in your own data center.
 - Give your developers access to the breakthrough performance and security features of SPARC M7 without needing to acquire, provision or operate new hardware
- Disaster recovery (DR): Leverage geographically distributed, highly secure Oracle Cloud data centers as remote DR sites and avoid the cost and complexity of acquiring new systems and data center capacity.

RELATED PRODUCTS

Oracle delivers a comprehensive product suite and services for a complete cloud experience:

- Oracle Storage Cloud Service: A suite of reliable and secure storage solutions in the cloud
- Oracle Network Cloud Service – FastConnect: A dedicated, high-speed connectivity service for connecting to Oracle Cloud
- Oracle Database Cloud Service: The premier Oracle Database product, in the cloud
- Oracle Java Cloud Service: Oracle WebLogic Server in the cloud
- Oracle Developer Cloud Service: A platform-as-a-service (PaaS) development environment for the enterprise

System Specifications

Each SPARC Model 300 includes 300 Oracle compute units provided by 10 SPARC M7 compute nodes. (An *Oracle compute unit* is defined as the CPU capacity equivalent to one physical core of a SPARC processor from Oracle.)

Each SPARC M7 compute node provides the following:

- Thirty cores of compute capacity and 442 GB of memory
- A single VM instance running Oracle Solaris 11 (including Oracle Solaris 11 support of Oracle Solaris 10 branded zones)
- Internal hard disk drives that can be used for system boot images

As a SPARC Model 300 customer, you

- Are entitled to use the Oracle Network Cloud Service - Site-to-Site VPN to securely connect to your user VM instances at no additional charge
- Are required to purchase an additional subscription to the entire 32 TB of Oracle Compute Cloud Service - Block Storage - Non Metered storage available on the integrated Oracle ZFS Storage Appliance, which can be used for the VM instances or for application or database storage
- May optionally license Oracle Network Cloud Service – FastConnect at an additional cost for dedicated, non-metered, high-speed connections (1 GB or 10 GB port speed) to Oracle Cloud

Flexible Systems Management Options

SPARC Model 300 simplifies systems management of VM instances by supporting the same systems management tools currently you use to administer Oracle's SPARC servers in your own data centers.

With SPARC Model 300, you can choose to use Oracle Enterprise Manager Cloud Control, which offers

- The identical user interface and capabilities already in use to manage VM instances in on-premises SPARC servers
- A unified tool for managing databases, middleware, and applications
- A variety of compatible plugins for Oracle Cloud services support.

Alternatively, you may choose to leverage third-party systems management software such as OpenStack or script-based tools such as Puppet, Chef, or Ansible to manage SPARC Model 300 VM instances.

Extraordinary Value

SPARC Model 300 delivers superior performance, security, and operating efficiency while offering the same pricing per Oracle compute unit and per TB of storage as x86-based cloud infrastructure. SPARC Model 300 is available through a one-year subscription, eliminating the need to justify large capital expenses, tie up expensive data center floor space, or depreciate hardware investments over multiple years. And it does this at an annual cost that is less than what you would pay to manage the same resources yourself at your own data center.





Oracle installs, configures, and operates the underlying hardware, firmware, and virtualization infrastructure of SPARC Model 300 using an optimized enterprise cloud architecture, freeing up IT resources to focus on value-added activities. And Oracle software customers can bring their existing licenses to the SPARC Model 300 platform, thereby extending the life of critical business applications and easing migration to the cloud. SPARC Model 300 offers an extraordinary combination of unmatched computing power, ease of deployment, and practical business value—all available today in Oracle Cloud.

CONTACT US

For more information about Oracle Compute Cloud Service - Dedicated Compute Capacity - SPARC Model 300, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

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Integrated Cloud Applications & Platform Services

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