

# A Head Start for Your Secure Private Cloud

## Oracle Optimized Solution for Secure Enterprise Cloud Infrastructure

More and more enterprises are moving to the cloud. If you are not yet ready to put your business on a public cloud, you can still get significant benefit from a secure private cloud. Because it remains fully on premises, you keep greater control over your expenses and security mechanisms while obtaining the business agility and cost savings of a cloud deployment.

### Do You Need a Secure Private Cloud?

As traditional computing workloads decrease, cloud computing workloads are rapidly increasing. In fact, the growth rate for cloud computing overall (both private and public clouds) is projected to be more than five times the growth rate for IT overall.

Enterprises are establishing private clouds primarily to increase business agility and make better use of their resources, but they also are moving to the cloud because they can more rapidly implement new business models. Add to the mix lower capital expenses and fewer operational issues, and the move to a private cloud becomes imperative for an enterprise that needs to remain competitive.

Oracle Optimized Solution for Secure Enterprise Cloud Infrastructure is built from the components best suited for an enterprise-class cloud infrastructure. Because the components are preconfigured, pretested, and optimized to run together, they give your business a head start in the cloud.

### Why Consider Oracle Cloud Options?

Mature enterprise IT organizations have well-established virtualization strategies that consolidate hardware resources and improve the speed and reliability of software provisioning. The step from there to a private cloud is simpler than was the step to virtualization. To help, Oracle offers three cloud options:

- » Oracle Cloud. This option provides subscription-based application, platform, and infrastructure services.
- » Managed secure private cloud. Oracle uses its Oracle Optimized Solution for Secure Enterprise Cloud Infrastructure to build and manage a private cloud for you on your premises.
- » Secure private cloud. You use Oracle Optimized Solution for Secure Enterprise Cloud Infrastructure, Oracle services, and best practices to build and manage your own private cloud on your premises.

Whichever option is right for you, you can proceed with the confidence that all Oracle solutions are engineered with three core values in common: secure, simple, and cost effective.



*“Enterprise Cloud Infrastructure provides our IT Group with the ability to easily move into the cloud.”*

CIO  
EXCELON

#### WHAT DOES ORACLE MEAN BY SECURE?

Secure runtime for all your cloud applications without compromise:

- **Integrated.** Oracle security is engineered into each layer of the stack, from the semiconductors to the applications, and everything in between.
- **Comprehensive.** Oracle security leaves less surface area to attack. On-chip cryptography protects transactional data from start to finish, and built-in authentication and authorization restrict access.
- **Simple.** Oracle’s security remains simple to manage: system check tools make it easy to enforce both standards and compliance.

#### WHAT DOES ORACLE MEAN BY SIMPLE?

By *simple*, Oracle means integrated end-to-end management, automated patching and updates, deployment in days instead of weeks, and fast migration to the cloud.

## Why Choose Oracle Optimized Solution for Secure Enterprise Cloud Infrastructure?

You could build your own secure private cloud from your favorite components, but even after you got them to work together, you'd need to optimize their performance, establish a comprehensive end-to-end security mechanism, develop a lifecycle management process, and so on. Oracle has already done that work for you: its systems are optimized for best performance, integration, security, reliability, and availability. As a result, they diminish your risk, save you time and money, and make your business more competitive because they increase both your business agility and the speed at which you can conduct business.

## Give Your Private Cloud a Head Start

Oracle Optimized Solution for Secure Enterprise Cloud Infrastructure is designed to help you make the move to a secure private cloud quickly, effectively, and with confidence. Its operating system, Oracle Solaris 11.3, is engineered for the cloud. The solution has fully integrated security systems and an agile self-service environment with fast, intelligent provisioning, and it optimizes performance for the entire Oracle stack.

Oracle Enterprise Manager Ops Center 12c manages all the components of the solution's cloud infrastructure, and Oracle Enterprise Manager Cloud Control lets you quickly set up, manage, and maintain your cloud. You also have the option of using Oracle OpenStack for Oracle Solaris to create additional secure, multitenant private cloud environments based on open-source standards.

Oracle's SPARC M7, SPARC T7, and SPARC S7 servers are the world's most advanced system for enterprise workloads. Their Silicon Secured Memory feature protects your data against attacks, and accelerated encryption provides end-to-end security without performance overhead. In addition, the Software in Silicon feature of these servers accelerates database performance, and provides nine times greater query throughput and six times higher usable memory than competitive servers with equivalent CPU core counts and physical memory.

Oracle switches provide fast and secure networking for the solution. Oracle has shipped more than 26,000 switches to customers and uses them in its own subscription-based Oracle Cloud service. For storage, you can use the Oracle ZFS Storage Appliance with one-click provisioning and a single pane of control in Oracle Enterprise Manager 12c.

Together, the solution's components give you a preconfigured, pretested, optimized way to start running your business on your own secure private cloud without the hassles, cost, and risk of a do-it-yourself solution.

## For More Information

- » Contact your Oracle sales consultant for an onsite workshop or assessment.
- » Watch a live demo [at an Oracle Solution Center](#).
- » Peruse the business and technical resources for Oracle Optimized Solution for Secure Enterprise Cloud Infrastructure on [oracle.com](http://oracle.com).

### WHAT DOES ORACLE MEAN BY SAVINGS?

Oracle makes lower capital expenses and lower operational expenses a priority. Because Oracle has optimized its systems for best performance, integration, reliability, and availability, you take on lower risk, which translates to savings.

### ORACLE MANAGED CLOUD SERVICES

These services use a service catalog model to provide all the capabilities of a secure private cloud in an on-premises system. The cloud's lifecycle is managed by Oracle, and you are billed only for consumption, with a single contract and a single invoice.

### ORACLE ADVANCED CUSTOMER SUPPORT

Configure the support agreement that you prefer, from installation and setup through product optimization and issue management, all the way to documentation and knowledge transfer.

### ORACLE BEST PRACTICES

Install and set up your secure private cloud system using the guidance in Oracle's implementation guide, as well as training, product documentation, demos, community resources, and more.

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