ORACLE
SOLARIS

ORACLE SOLARIS 8 CONTAINERS
AND ORACLE SOLARIS 9 CONTAINERS

Oracle Solaris 8 Containers and Oracle Solaris 9 Containers let you migrate Oracle Solaris 8 and Oracle Solaris 9 applications and environments to the latest SPARC systems running Oracle Solaris 10. These environments can later be updated, at your own pace, to Oracle Solaris 10 Containers. With migration assistance from Oracle Advanced Customer Services, take advantage of Oracle Solaris 8 Containers and Oracle Solaris 9 Containers to reduce the effort and risk associated with migrating to the latest network computing environments.

KEY BENEFITS

• Quickly deploy Oracle Solaris 8 or Oracle Solaris 9 applications on Oracle Solaris 10

• Lower costs through consolidation onto newer systems

• Mitigate risks with expert assistance

• Implement your solution for a single application or as part of a larger virtualization strategy

Deploy Previous-Version Oracle Solaris Applications on Oracle Solaris 10

Oracle Solaris 8 Containers and Oracle Solaris 9 Containers serve as transition tools, decoupling your hardware upgrade from the operating system (OS) and applications, giving you more time to upgrade your applications to Oracle Solaris 10. Oracle guarantees application compatibility between OS releases, and builds on that by adding the ability to capture and transfer the surrounding configuration, data, and other elements of the OS. You can rapidly upgrade to new Oracle hardware and Oracle Solaris 10 while providing the Oracle Solaris 8 or Oracle Solaris 9 runtime environment as needed.

Lower Costs by Consolidating Systems

Today's systems can be many times more powerful, space-efficient, and cost-efficient than earlier generations. However, hardware upgrades often demand OS as well as application upgrades. Although the benefits of updating infrastructure may be clear, concerns associated with upgrading—such as time, cost, risk, and complexity—often hold organizations back.

Decoupling the hardware upgrade from the OS and applications can mitigate these issues. With Oracle Solaris Containers, you can simplify installation and maintenance requirements; reduce hardware, power, cooling, and support costs; and save space by retiring your older, less efficient systems and installing newer systems with Oracle Solaris 10 and Oracle Solaris Containers hosting your Oracle Solaris 8 and/or Oracle Solaris 9 applications.

Provide Runtime Support

Oracle Solaris 8 Containers and Oracle Solaris 9 Containers work by using the branded zones (BrandZ) architecture introduced in Oracle Solaris 10 8/07. BrandZ allows Oracle Solaris software to provide runtime support for other operating environments inside Oracle Solaris Containers. Each operating environment "flavor" is provided by a brand, which plugs into the framework. Oracle Solaris 8 Containers provide the Oracle Solaris 8 runtime environment on SPARC platforms, creating a virtual environment for hosting Oracle Solaris 8 applications. Similarly, Oracle Solaris 9 Containers provide the Oracle Solaris 9 runtime environment. Using existing Oracle Solaris Containers features, this virtual environment brings all these benefits and Oracle Solaris 10 to applications and services, so they can

- Be cloned many times for rapid deployment

- Be migrated to remote hosts

- Control CPU and memory resources with Oracle Solaris Resource Manager

- Take advantage of key benefits of Oracle Solaris 10, including:

  - Increased observability with Oracle Solaris DTrace

  - Maximized reliability with Oracle Solaris ZFS and the predictive self-healing feature in Oracle Solaris

  - Improved network performance by dedicating network ports to Oracle Solaris Containers

  - Increased security by reducing the super-user privileges assigned to Oracle Solaris Containers

This additional Oracle Solaris Containers virtualization technology was developed by the same Sun engineering team that developed the original Solaris Containers —which means you can be confident that this technology is optimized for running your Oracle Solaris 8 and Oracle Solaris 9 applications on Oracle Solaris 10.

Reduce Risks with Expert Assistance

Oracle migration experts help reduce costs and complexity, improve operational efficiency, and mitigate risks. Leveraging proven tools and methodologies, our technology experts analyze your original Oracle Solaris 8 or Oracle Solaris 9 environment, develop a migration plan, and implement and test your solution as a standalone project or as part of a larger virtualization plan. The combination of Oracle Solaris 8 Containers and/or Oracle Solaris 9 Containers with expert assistance can help you achieve a successful implementation.

Requirements and Lifecycle

Compatible with all SPARC systems supported by Oracle Solaris 10 8/07 or later, Oracle Solaris 8 Containers and Oracle Solaris 9 Containers allow you to reduce power consumption, space, and costs while improving performance. Both are transition tools, providing another option to help you move to Oracle Solaris 10. Oracle Solaris Containers software technology is not intended to prolong the use of Oracle Solaris 8 or Oracle Solaris 9 indefinitely, as its product lifecycle is tied to that of the original OS. For example, the lifecycle of Oracle Solaris 8 Containers is directly tied to the lifecycle of Oracle Solaris 8. For more information about the Oracle Solaris 8 lifecycle, visit sun.com/software/solaris/support/sol8.xml.

In addition, you must have an Oracle Premier Support for Operating Systems service plan to cover Oracle Solaris 10. This service plan includes features such as 24/7 online and telephone technical support, interoperability support, software releases and essential updates (patches), self-help tools, notifications, and the backing of Oracle's industry-leading lifetime support policy. You receive enhanced coverage to help you maintain high availability, which is especially important when you have consolidated multiple applications onto a single system.

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Services and Support

To learn more about Oracle products and services that can help with your consolidation and virtualization projects, visit

• Migration and virtualization services from Oracle Advanced Customer Services (oracle.com/us/technologies/virtualization/index.htm)

• Oracle Premier Support for Operating Systems (oracle.com/us/support/systems/operating-systems/index.html)

• Oracle Premier Support for Systems (oracle.com/us/support/systems/premier/index.html)

Contact Us

For more information about Oracle Solaris 8 Containers and Oracle Solaris 9 Containers, visit oracle.com/solaris or call +1.800.ORACLE1 to speak to an Oracle representative.

Oracle is committed to developing practices and products that help protect the environment

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