

Oracle Solaris 11.3

Frequently Asked Questions

Introduction

Oracle Solaris is an efficient and simple, secure and compliant, open and affordable solution for deploying enterprise-grade clouds. More than just an operating system (OS), Oracle Solaris 11.3 includes features and enhancements that deliver no-compromise virtualization, application-driven software-defined networking, and a complete OpenStack distribution for creating and managing an enterprise cloud, thus enabling you to meet IT demands and redefine your business.

Oracle Solaris 11.3 Highlights

Oracle Solaris 11.3 introduces hundreds of new features that enhance its capabilities as an overall cloud infrastructure solution, including the following:

- **Oracle's Software in Silicon technology:** The SPARC M7 processor enables application developers to take advantage of the Silicon Secured Memory feature of the chip to help prevent buffer overflows and other external attacks.
- **OpenStack Juno release:** Oracle Solaris 11 includes a full OpenStack distribution that has been updated to the Juno release with numerous new enhancements including console support, SNAT, full IPv6 support, flat networks, and allocation pools. Also included is support for Ironic, bare-metal provisioning as a service.
- **Live migration of Oracle Solaris Kernel Zones:** Now you can easily move kernel zone environments, which means performing updates at the global zone level, without impacting applications or end users. Go to the following website to download the updated firmware that supports this feature:

oracle.com/technetwork/systems/patches/firmware/firmware-140779.html

- **REST-based admin interfaces:** Oracle Solaris 11 includes support for developing REST-based APIs using the Remote Administration Daemon. This is in addition to the existing programmatic interfaces that enable administrators to remotely configure Oracle Solaris systems using Python, C, and Java.

For more information, see "[What's New in Oracle Solaris 11.3.](#)"

Frequently Asked Questions

General Information

Q: Where can I download Oracle Solaris 11.3?

A: Download Oracle Solaris 11.3 from Oracle Technology Network at the following location:

oracle.com/technetwork/server-storage/solaris11/downloads/index.html

Q: Where can I log issues relating to Oracle Solaris 11.3?

A: Customers who have an active Oracle support agreement can log service requests through My Oracle Support at support.oracle.com.

Q: Where can I find more information about Oracle Solaris 11.3?

A: Visit the Oracle Solaris 11.3 pages on Oracle Technology Network:

oracle.com/technetwork/server-storage/solaris11/overview/index.html

Q: Where can I learn more about Oracle Solaris 11 technologies?

A: You can learn more about Oracle Solaris 11 technologies by visiting the technology spotlights on Oracle Technology Network:

oracle.com/technetwork/server-storage/solaris11/technologies/

System Requirements

Q: What architectures are supported with Oracle Solaris 11?

A: Oracle Solaris 11 is supported on both SPARC and x86 hardware.

Q: Is Oracle Solaris 11 only available on Oracle-based hardware?

A: Oracle Solaris 11 can be installed on both Oracle hardware and hardware from third-party vendors, as detailed in the Oracle Solaris Hardware Compatibility List that can be found at the following location:

oracle.com/webfolder/technetwork/hcl/index.html

Q: What languages are supported in Oracle Solaris 11?

A: Oracle Solaris 11 includes support for over 200 different locales. Translated messages include Japanese, Simplified Chinese, Traditional Chinese, Korean, French, German, Italian, Spanish, and Brazilian Portuguese.

Installation

Q: How do I choose which Oracle Solaris 11 ISO image to download?

A: Oracle Solaris 11 provides a number of installation options for different environments and customer scenarios, from initial evaluation of the OS, to single and multinode system provisioning. See the following questions for more details on each installation media option.

Q: What is the Oracle Solaris 11 live media?

A: The Oracle Solaris 11 live media, available only for x86-based systems, provides customers with an opportunity to explore a complete Oracle Solaris environment—without the requirement of installing the OS onto a system—by loading the OS into RAM. Start the graphical installer to install the OS. The graphical installer installs a fixed selection of software with minimal configuration, including a full desktop environment.

Q: What is the Oracle Solaris 11 interactive text installer?

A: The Oracle Solaris 11 interactive text installer, available for SPARC- and x86-based systems, provides a text- or console- based installation most suitable for server systems. The interactive text installer installs a fixed selection of software with a greater level of configuration than with the live media, but it does not include a desktop environment (the required packages can easily be added later, if desired).

Q: What is the Oracle Solaris 11 automated installer image?

A: The Oracle Solaris 11 automated installer image, available for SPARC- and x86-based systems, provides an automated “hands-free” network installation for single clients without requiring an existing automated installer service. Customers can boot this image and connect directly to an Oracle Solaris Image Packaging System (IPS) package repository to install their systems.

Q: What options are available to install Oracle Solaris 11 without access to a CD or DVD drive?

A: Oracle Solaris 11 can be installed through the network using the automated installer or directly using USB bootable media.

Q: Can I install Oracle Solaris 11 on a laptop?

A: Yes. Oracle Solaris 11 installs onto many different laptop configurations. Check out the Oracle Solaris Hardware Compatibility List to see a full list of supported systems:

oracle.com/webfolder/technetwork/hcl/index.html

If your laptop is not listed, Oracle VM VirtualBox can provide a virtualized environment in which to run Oracle Solaris 11.

Q: Can I install Oracle Solaris 11 into a virtual environment?

A: Yes. Oracle Solaris 11 is a supported guest operating system on Oracle VM Server for SPARC, Oracle VM Server for x86, and Oracle VM VirtualBox. Oracle Solaris 11 is known to work on a number of other third-party virtualization offerings from vendors including VMware, Microsoft, and Red Hat.

Q: How can I customize my Oracle Solaris 11 installation?

A: Oracle Solaris 11 installations can be customized using a number of administrative commands, including the package management utilities. You can learn more about administrative customization by reading the Oracle Solaris 11 product documentation:

docs.oracle.com/cd/E53394_01/index.html

System Update

Q: Can I update my Oracle Solaris 11.2 systems to Oracle Solaris 11.3?

A: Yes. Systems running Oracle Solaris 11.2 can be updated to Oracle Solaris 11.3 by using the integrated IPS software management tools.

Q: Can I update my systems from Oracle Solaris 11.3 Beta to Oracle Solaris 11.3 GA?

A: Yes. Oracle will support updating from Oracle Solaris 11.3 Beta to Oracle Solaris 11.3 GA.

Q: Can I upgrade my Oracle Solaris 10 systems to Oracle Solaris 11.3?

A: There is no direct upgrade path from Oracle Solaris 10. Customers wishing to upgrade to Oracle Solaris 11.3 must install a system from scratch, or else consider the use of Oracle Solaris 10 Zones running on Oracle Solaris 11 to take advantage of built-in physical-to-virtual and virtual-to-virtual migration tools.

Application Support

Q: How do I find out which applications are certified on Oracle Solaris 11?

A: View the latest list of applications certified on Oracle Solaris 11 by visiting the Oracle PartnerNetwork (OPN) website that includes “Oracle Solaris Ready” partners:

<http://www.oracle.com/technetwork/server-storage/solaris11/partners-1544236.html>

Oracle Solaris Ready recognizes qualifying OPN members who are developing and supporting their software applications on the latest major releases of Oracle Solaris 11. These partners can be viewed by application or by partner name.

For additional information, see this partner blog:

<blogs.oracle.com/partnertech/>

Q: Will I need to recertify my application on Oracle Solaris 11.3?

A: No. Applications certified for Oracle Solaris 11 do not need to be recertified when updating to Oracle Solaris 11.3 or later updates. This is due to the Oracle Solaris Binary Application Guarantee:

<oracle.com/us/products/servers-storage/solaris/solaris-guarantee-program-1426902.pdf>

This guarantee ensures that applications running on earlier Oracle Solaris versions can run on future Oracle Solaris versions.

Q: What are the recommendations for deploying applications on Oracle Solaris 11 and future updates?

A: Thanks to the Oracle Solaris Binary Application Guarantee, applications running on earlier Oracle Solaris versions can run on Oracle Solaris 11 and all future updates without being recompiled.

To create new applications, or to move existing applications to Oracle Solaris 11 from other platforms, the use of Oracle Solaris Studio is recommended as the compiler of choice. Oracle Solaris Studio provides a comprehensive C, C++, and Fortran tool suite for Oracle Solaris that accelerates the development of scalable, secure, and reliable enterprise applications.

During the development and deployment of applications on the Oracle Solaris platform, it is recommended that customers consider the use of native OS virtualization using Oracle Solaris Zones. This virtualization technology provides a rapid provisioning environment with zero overhead helping to streamline the application deployment process. You can learn more about Oracle Solaris virtualization by reviewing the Oracle Solaris 11 technology spotlight for virtualization:

<oracle.com/technetwork/server-storage/solaris11/technologies/>

Q: Where can I download Oracle Solaris Studio?

A: Oracle Solaris Studio is available for download at no cost from Oracle Technology Network:

<oracle.com/technetwork/server-storage/solarisstudio/>

More Information

Q: How can I get more news about Oracle Solaris 11?

A: Catch the latest news and information from Oracle's social media sites:

Blog:

<blogs.oracle.com/solaris>

Documentation:

docs.oracle.com/cd/E53394_01/index.html

Facebook:

<facebook.com/oraclesolaris>

LinkedIn:

<linkedin.com/groups/Oracle-Solaris-Insider-3951282>

Twitter:

twitter.com/ORCL_Solaris

YouTube:

[youtube.com/oraclesolaris](https://www.youtube.com/oraclesolaris)

Q: What training courses or certification programs are available for Oracle Solaris 11?

A: An extensive set of training courses and certification programs is available from Oracle University. A list of training courses can be found here:

<http://www.oracle.com/technetwork/server-storage/solaris11/training/index.html>



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Integrated Cloud Applications & Platform Services

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