

What's New in OpenSolaris 2008.11

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OC Chapter

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Overview

What is OpenSolaris?

What's New in 2008.11

Installing OpenSolaris 2008.11

OpenSolaris References

Solaris 10 Update 6

What is OpenSolaris?

Enterprise class OS, based on Solaris

Open source software bundled in an environment “familiar” to GNU/Linux users.

Distributed as a single LiveCD/USB for Intel based Systems.

Releases every 6 months.

Support can be purchased from Sun

Basic Solaris Features

ZFS

128 bit integrated filesystem / volume manager

Copy on write style snapshots supported as well as clones, writeable snapshots

Storage devices grouped into pools

Datasets (filesystems) allocated within the pool

Data integrity features

On disk consistency maintained at all times

Solaris Features Continued

Containers / Zones

- Kernel virtualization

- Other resource controls

Dtrace

- Thousands of probes implemented in OS

- Probe running applications

 - No restart or recompilation needed*

Service Management Facility (SMF)

OpenSolaris Features

Image Packaging System IPS

The `pkg(1)` command is similar to the Debian `apt` command where packages can be installed from a network based repository

Network Auto Magic Daemon NWAM

Live CD

ZFS as root

`/bin/bash` set as default shell...etc.

What's New in 2008.11?

Automated Installer

Distribution Constructor

- Create custom distributions

- Output is either ISO or USB image

Gnome 2.24

Firefox 3.03

Compiz

Installing OpenSolaris

Check the Getting Started guide...

http://dlc.sun.com/osol/docs/content/2008.11/get_start/roadmap.html

Grab an ISO via bitorrent

<http://dlc.sun.com/torrents/info/>

Install on bare metal or as VM guest

Install pkg-get

OpenSolaris References

opensolaris.org

<http://www.opensolaris.org/os/community/desktop/testing/new-app/UbuntuParity/>

genunix.org

opencsw.org

blastwave.org

lifewithsolaris.jp

References Cont.

<http://wikis.sun.com//display/OpenSolarisInfo/>

<http://webcast-west.sun.com/interactive/09812437/index.html>

And many more I missed!

Solaris 10 Update 6

ZFS boot

Zone roots on ZFS

Auto upgrade zones on attach

Zpool failsafe mode

ZFS intent log

Solaris 8 and 9 zones

Solaris 10 Update 6 Cont.

LDOM Features

VLAN support for virtual networks and virtual switches

Support for Hybrid I/O

Disk multipathing using multiple virtual disk drivers

Dynamic reconfiguration of virtual I/O

X64 more than 64 CPUs supported

Para virtualization support for Xen guests

Thanks for Attending!

Let's now retreat to the Pilsner room for their legendary \$1.95 Cheeseburgers and microbrew.