



Vítejte!

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# Dnešní program

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- Úvod
  - Co se děje v CZOSUGu
  - Sun v Praze a Solaris
- Co je nového v OpenSolarisu 2008.11?
- OpenSolaris install fest / *oběd*
- ZFS - revoluce v souborových systémech
- Rozdíly mezi OpenSolarisem a Linuxem
- *Přestávka*
- Lightning talks
- *Hospoda*

# Co dnes dostanete?

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# Co dnes dostanete?

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# Co dnes dostanete?

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# CZOSUG Update

Martin Man

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# Sun v Praze a Solaris

Lukáš Rovenský

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# What's new in OpenSolaris 2008.11?

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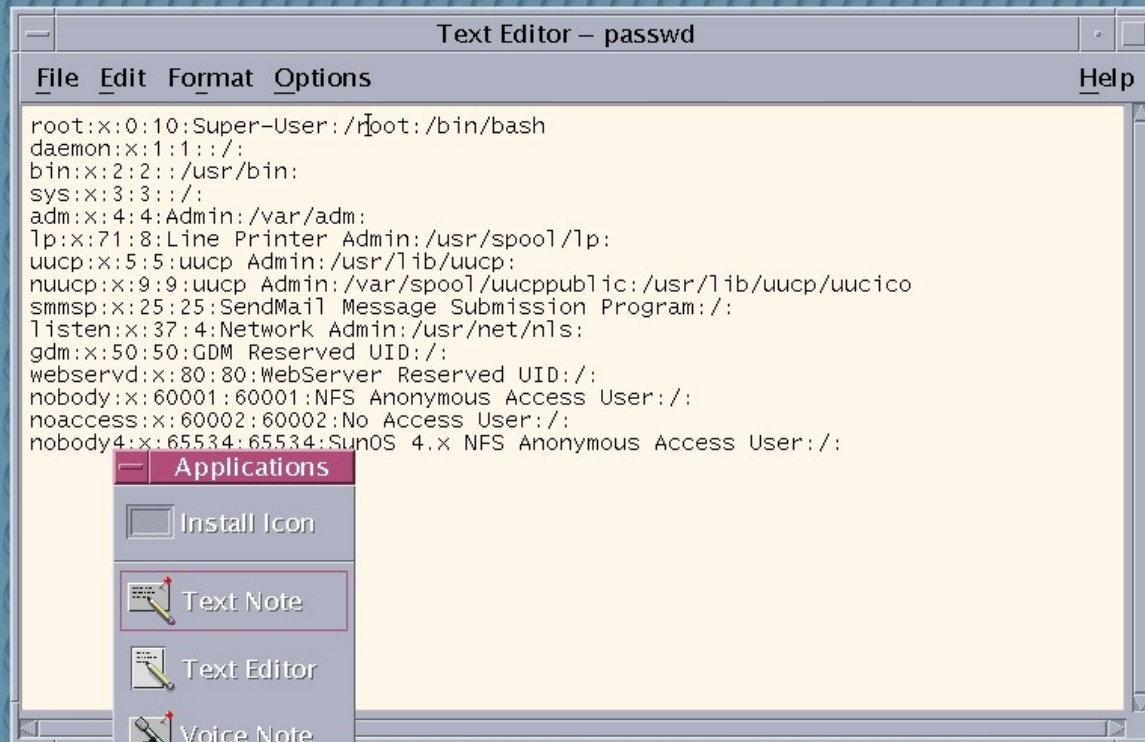
# Agenda

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- What is OpenSolaris?
- OpenSolaris vs. Solaris
- New features in 2008.11
- Demos of new features
  - Desktop improvements
  - ZFS timeslider
  - Package manager improvements
  - Multimedia
- Conclusion



# It's NOT your father's Solaris

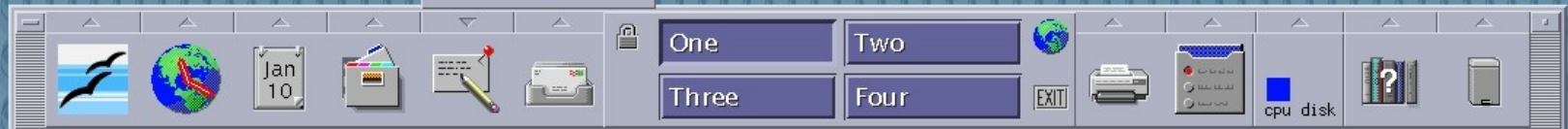


The screenshot shows a Solaris desktop environment. A window titled "Text Editor - passwd" is open, displaying the contents of the /etc/passwd file. The file contains the following entries:

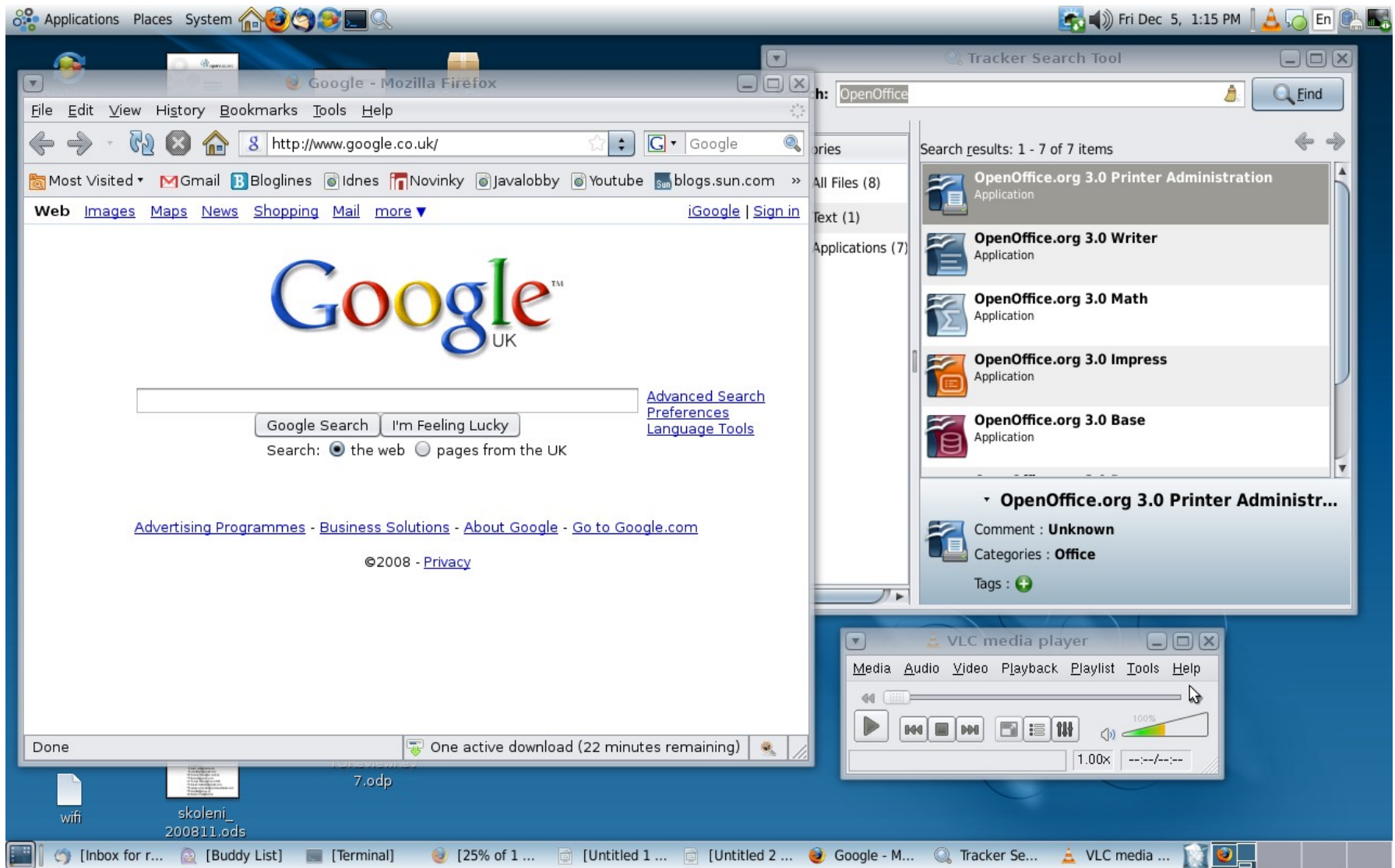
```
root:x:0:10:Super-User:/root:/bin/bash
daemon:x:1:1:::/:
bin:x:2:2::/usr/bin:
sys:x:3:3::/:
adm:x:4:4:Admin:/var/adm:
lp:x:71:8:Line Printer Admin:/usr/spool/lp:
uucp:x:5:5:uucp Admin:/usr/lib/uucp:
nuucp:x:9:9:uucp Admin:/var/spool/uucppublic:/usr/lib/uucp/uucico
smmsp:x:25:25:SendMail Message Submission Program:/:
listen:x:37:4:Network Admin:/usr/net/nls:
gdm:x:50:50:GDM Reserved UID:/:
webserverd:x:80:80:WebServer Reserved UID:/:
nobody:x:60001:60001:NFS Anonymous Access User:/:
noaccess:x:60002:60002:No Access User:/:
nobody4:x:65534:65534:SunOS 4.x NFS Anonymous Access User:/:
```

An "Applications" menu is open over the text editor, showing the following options:

- Install Icon
- Text Note
- Text Editor
- Voice Note
- Applications

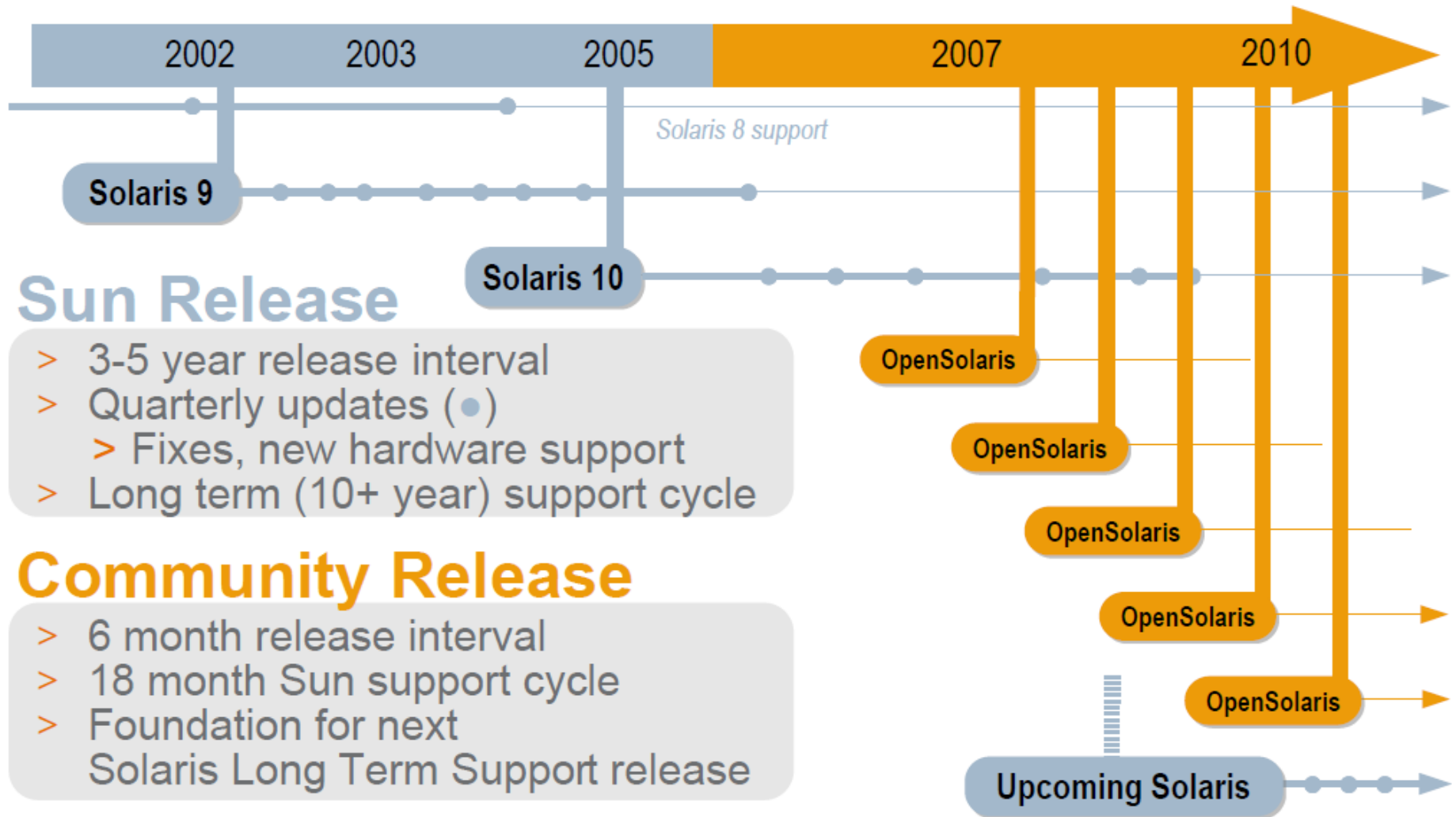


# It's NOT your father's Solaris



# Solaris Release Model

## 20 Years, One Development Train



# Solaris vs. OpenSolaris\*

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- Enterprise class
- Unmatched level of support
- Long release cycle (3-5 years)
- Web economy
- Latest Solaris innovations
- Short release cycle (every 6 months)

\* Other Sun & community distributions are also available!

# Advantages – in General

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- ZFS – revolutionary file system
- Dtrace – dynamic tracing
- Scalability, reliability, observability
- Security (incl. trusted extensions)
- Compatibility guarantee (stable API)
- Quote: “Linux feels like it has been written, Solaris like it has been designed”
- Free & open source, but supported

# Features on the Desktop

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- Redistributable LiveCD image
  - Boot it to give it a try
  - Install from live session
- Accelerated video drivers
- Gnome/compiz desktop
- Basic software included
  - Firefox, Thunderbird, Gimp, ...
- Package manager



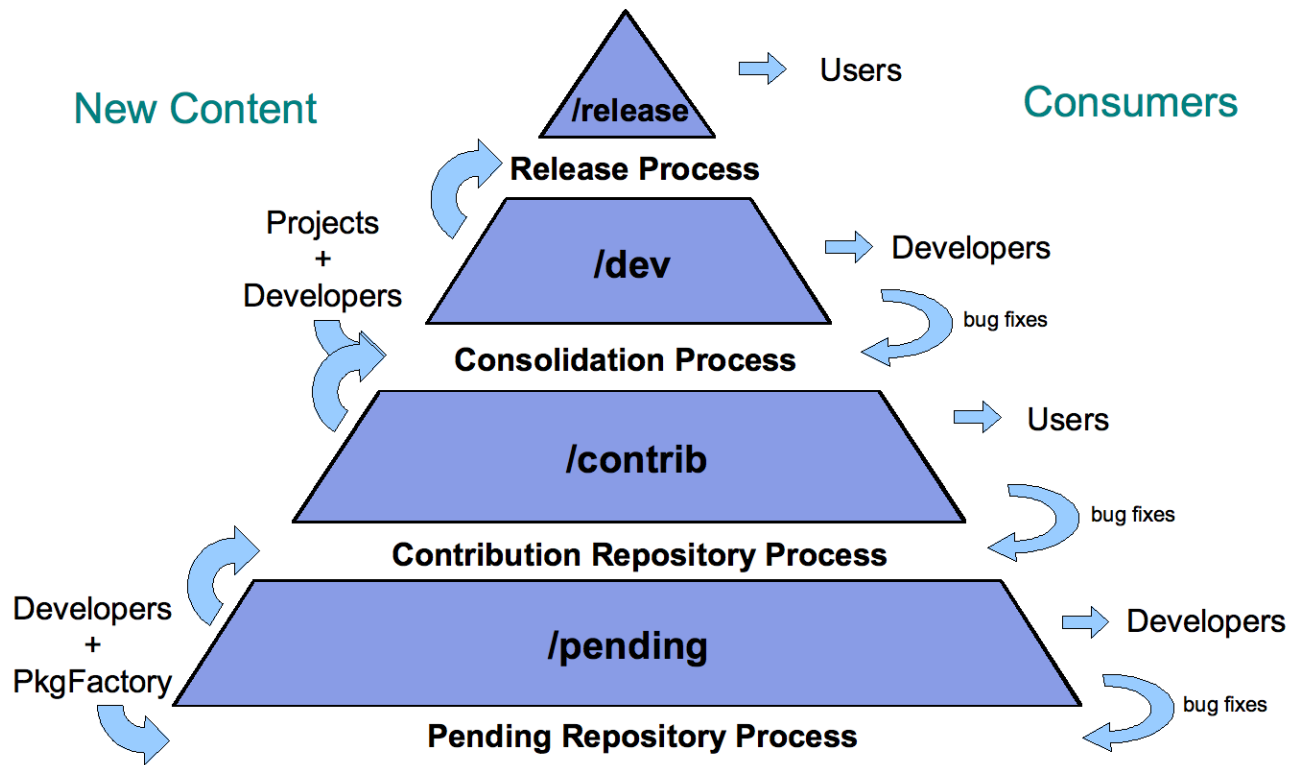
# New Features in 2008.11 (Desktop)

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- Gnome 2.24 + Compiz updates
- Suspend and resume to RAM
- New repositories
  - Release, contrib, dev, extra & support
- More drivers (audio, SD card, ...)
- New applications
  - Firefox 3.0.3
  - OpenOffice 3.0
  - Many others...

# OpenSolaris Repositories

## OpenSolaris Repository Usage



# Demo

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## Demo: Desktop Improvements

# Demo

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## Demo: ZFS Timeslider

# Demo

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## Demo: Package Manager Improvements

# Demo

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## Demo: Multimedia

# New Features in 2008.11 (Server)

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- Intel Nehalem support
- Automated install
- Distribution constructor
- Improved web stack
  - Drupal and Django added
- OpenStorage
- ClearView
- Many new packages in the repository

# Plans for 2009.04

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- Automated Install Phase 2
- IPS Phase 3
- NWAM Phase 2
- Crossbow Phase 1 (network virtualization)
- Infiniband (for HPC)
- GNOME 2.26
- Package Manager 2.0

# What about SPARC support?

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- 2008.05 only supports x86/x64
- 2008.11 will have a special SPARC release
- Currently planned for beginning of 2009
- It is very important for Sun, it just takes time

# Conclusion

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- 2008.11: lots of new features
  - Better desktop experience
  - Many new applications
  - Ready to be extended as a platform
- Give it a try today! It's free.
- Download from:
  - <http://www.opensolaris.com>



Thank you!

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