

# Interoperability, Internationalization, Localization, Standards

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Free Standards Group  
OpenI18N.org  
Sun Microsystems, Inc.

# About Hideki

- -'88 UNIX Kernel Engineer, hacking V7, Sys3, 4BSDs, Sys5 and Mach.
- '89      Joined Sun Microsystems
- '89-      X Window System Version 11 R5, R6
  - X Internationalization Standard Specification
  - XIM/XOM/XLC implementation
  - XIM Protocol Specification
- Standards: Unix International, OSF, X/Open, The Open Group, OMG, ISO, W3C, Unicode Consortium, Li18nux.org, OpenI18N.org, FSG....

# About Hideki(Cont)

- '99 found OpenI18N.org(Li18nux.org)
- '00 found Free Standards Group
- The U.S. National body member to ISO/IEC JTC1/SC2, SC2/WG2, SC22/WG20
- The U.S. National body head of delegation to ISO/IEC JTC1/SC2/WG2 IRG
- Unicode Technical Committee voting member
- Still Employee of Sun Microsystems :-)

# Free Standards Group

- Standard body for Open Source Technology
- Legal Entity for the actual projects
  - LSB (Linux Standard Base)
  - OpenI18N.org (Open Internationalization Initiative)
  - LANANA (Linux Assigned Names and Numbers Authority)
  - OpenPrint
  - And more to come

# Free Standards Group

- Supported by
  - IBM, Intel, HP, (Compaq), Sun, Dell, AMD
  - Redhat, SuSE, Mandrake, TurboLinux, Caldela, RedFlag, Miracle Linux, Conectiva, MontaVista, VA Software
  - OSDL, Linux International, JLA, LPI, OADG, SPI SLAT, USENIX,
- Linux Standards and Certification

# OpenI18N.org

- Open Source Internationalization/Globalization
- Supported by Worldwide members
- Write and compile once, run anywhere in the World – single binary
- Specification and supporting implementations.

# Internationalization

- Locally patched binary is a interim hack! Only results long term maintenance nightmare.
- Single binary should work anywhere in the World
- Interoperability among languages and locales
- It's actually coming....

# We live in Capitalism World

- Fundamentalism of Free Software “Freedom” idea does not necessarily fit and work perfectly.
- GPL vaccination? Infection? Depends on from which side you look at it.
- Developers are also human, need someone feeding in capitalism world ;-)
- Developers do not want to do service or support work, but just develop!

# Need another wheels to stand

- Open Source Software “freedom” is one wheel, but single wheel car is difficult to drive unless you are skilled
- Open Standards and Open Process are another wheels to support Open Source
- Commercial success can be brought on to the ground secured by three wheels.

# What Standard brings to us

- Business needs a guarantees on stability
  - Can not afford the incompatible changes from good will every single time software is released.
  - Spec, Test Suites and Certification is the key
- Interoperability among the systems certified

# What we need?

- We do not want superpower to just replace one monopoly with other monopoly.
  - Specifying somebody-else is not a good direction.
- Specifying requirement via International standard
  - Imagine if Gov. procurement prerequisites the Linux Standards compliance for bidding? Fair Competition.
- International Standards can bring worldwide equal opportunity.

# Seek for Win-Win

- OSS developers (who do not care business)
- OSS Solution providers(who conduct business)
- OSS Users

Only Monopoly lose....

# Coming to ISO.....

- ISO/IEC JTC1 will lead to address possible standardization of Linux.
- The first meeting May 28-30 in UK.

# Q & A

- <http://www.freestandards.org>
- <http://www.openi18n.org>
- <http://www.linuxbase.org>