

# Xen/ia64 Update

Alex Williamson

[alex.williamson@hp.com](mailto:alex.williamson@hp.com)

# Xen/ia64 Status

- Fully functional Xen port
- Near feature parity with x86
  - SMP PV & HVM domain support
  - PV-domain Save/Restore/Migration
  - PV-on-HVM
  - Driver domains
  - etc...
- Multi-vendor platform support
  - Bull, Fujitsu, HP, Intel, SGI

# Xen/ia64 Accomplishments

- Xencomm integration
- Performance tuning
- ia64 machine vector integration
- Removed memory restrictions
- Mini-OS support
- Big-Endian guest support
- Open source guest firmware image
- Red Hat EL 5.0 Technology Preview

# Xen/ia64 3.0.5 Improvements

- Performance
- Robustness
- Stability
- Functionality

# Xen/ia64 Development

- Paravirt-op
- Big system support (NUMA & IOMMU)
- HVM Save/Restore
- GFW Enhancements (NVRAM, etc...)
- Performance monitoring
- Debugging support
- Kexec/Kdump support
- Keeping up with [xen-unstable.hg](http://xen-unstable.hg)

# Xen/ia64 BOF

- Discuss progress, issues, and futures
- Informal, small group working session
- Tomorrow afternoon