Virtualization time is now.

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Introduction

- Why virtualize?
  - Servers consolidation.
  - Rapid deployment and provisioning.
- A server uses approximately 40% of its total capacity compute
  - Virtualize allows you to use almost 80% of the capacity of the machine.
- Increase performance.
Xen: Background

- **Paravirtualization:**
  - High performance.
- **Full virtualization:**
  - Requires VT hardware support.
  - Intel and AMD available.
- **Advantage:**
  - Open Source.
Xen 3.0 Architecture
Xen: Paravirtualization

Diagram showing the structure of Xen paravirtualization, with virtual hardware, VMM, and Dom0/Guest OS layers.
Xen: Networking
Links

- Xen hypervisor: http://www.xen.org/
- Xen community projects: http://www.xen.org/community/projects.html
- “Running Xen” book: http://runningxen.com/
- Mailing lists: http://lists.xensource.com/
- Xen blog: http://blog.xen.org
Questions?

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