RICE
The RexxLA Internet Consolidation Effort

David Ashley
(moral support - Mark Hessling)

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RexxLA Internet Consolidation Effort

- Overview of RICE
- The ooRexx Build Machine
- The Future of RICE
RexxLA Internet Consolidation Effort

- Overview of RICE
  - What is RICE?
  - Why did we need RICE?
  - Who was involved?
  - What was involved?
  - What we have
What is RICE?

“Rice is a staple for a large part of the world's human population, especially in East and Southeast Asia, making it the most consumed cereal grain.” - Wikipedia

“RICE is a staple for a large part of the world's programming population, especially in scripting languages, making it the most widely used Internet resource.” - RexxLA
Why did we need RICE?

- Resources everywhere
  - PSU, Lightlink, personal machines
- Lack of control
  - Performance problems
  - No capability to improve situation
Who was involved?

- **Hardware**
  - Chip Davis, David Ashley, purchases

- **Installation**
  - Lee Peedin, David Ruggles, Brandon Cherry

- **Implementation**
  - Mark Hessling, RexxLA Board
What was involved?

http://www.rexxla.org/RICE.pdf
What we have

- RICE server
  - Web sites for RexxLA and ooRexx
  - Mailing lists; members, board, ansi, symplan
  - Domains; rexxla.org, rexxla.net, rexxla.info,
    oorexx.org, oorexx.net, oorexx.info, oorexx.com

- ooRexx Build Machine
Mailing list features

- **Mailing list archives**
    although it will often appear as:
    - [http://rice.safedataisp.net/mailman/private/rexxla-members](http://rice.safedataisp.net/mailman/private/rexxla-members)

- **Member maintenance page**
    although it will often appear as:
    - [http://rice.safedataisp.net/mailman/listinfo/rexxla-members](http://rice.safedataisp.net/mailman/listinfo/rexxla-members)
ooRexx Build Machine

- A build environment for ooRexx releases
- Automate the build process
- Host multiple operating systems
- Provide a web interface
- Provide a project developer interface
ooRexx Build Machine, cont.

- Dell Server
- Intel Xeon Dual Core Processor
- 4 GB memory, 250 GB disk space
- Fedora Core 6
- VMware Server 1.0.2
ooRexx Build Machine, cont.

- Vmware Guest Operating Systems
  - Windows 2000 Professional
  - Windows XP Professional
  - Fedora Core 6
  - Ubuntu 6.1
  - BSD 6.2
ooRexx Build Machine, cont.

- Vmware guest OS configuration
  - 1 CPU
  - 512 MB memory, 8 GB disk space
  - Access to DVD/CD-ROM drives
  - Protect guest OS from the Internet by using NAT
  - Enable VMware snapshot
ooRexx Build Machine, cont.

- Enable VMware scripting using RexxVix
- Make all builds available via the web
- Enable scripting from the Apache server
- Create web interface for requesting builds
- Document everything!
- Create backup scripts
The Future of RICE

- Membership Management
  - Membership renewals, Symposium enrollment

- Symposium Administration

- Hosting other projects
  - Mark will be transferring many packages to RexxLA for embedding with ooRexx