RICE

The RexxLA Internet Consolidation Effort

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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

  – http://www.rexxla.org/mailman/private/rexxla-members/

    although it will often appear as:

  – http://rice.safedataisp.net/mailman/private/rexxla-members

- ## Member maintenance page

  – http://www.rexxla.org/mailman/listinfo/rexxla-members

    although it will often appear as:

  – 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