

RICE - RexxLA Internet Consolidation Effort

Version 0.5

webmaster@rexxla.org

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Overview

RICE is a project to consolidate all RexxLA internet resources and to gain more control over the environment in which RexxLA resources exist.

The RexxLA organisation and the ooRexx project use resources from a number of different locations. These include lightlink.com, Penn State University, SafeDataISP and David Ashley's personal machine.

This document explains what is required to migrate all RexxLA internet resources to a single location; presently a single machine physically located at SafeDataISP. This machine is an IBM eServer XSeries 220 (donated by Chip Davis) with 2gb RAM, and RAID5 65mb usable disk space. Its IP address is 208.34.240.200

Scope

This project covers the following resources:

- The www.rexxla.org web site
- The www.oroexx.org web site
- All domains owned by RexxLA
 - rexxla.org, rexxla.info, rexxla.net, oorexx.org, oorexx.com, oorexx.info, oroexx.net
- All RexxLA controlled mailing lists
 - RexxLA board members mailing list; rexxla-board-l@lightlink.com
 - RexxLA members list; rexxla@lists.psu.edu
 - ANSI X3J18 mailing list: x3j18@lists.psu.edu
 - RexxLA Symposium planning list; symplan@safedataisp.net

The following resources are not in scope:

- ooRexx SourceForge CVS and SVN repositories
- ooRexx SourceForge mailing lists

Method

The RICE project will be implemented in stages. The expected time frame for the project is from October 2006 though December 2006. In general each stage is dependent on the successful completion of the previous stage. To reduce the impact on the availability of the existing resources used by members of the Rexx community, the migration of resources from the various locations to the RICE machine will be managed by domains.

As RexxLA has a number of registered domains, then the lesser known domains; *.info and *.net can be migrated to the new environment and once sufficiently tested, the *real* publically known domains; rexxla.org and oorexx.org can be pointed to the new location on the RICE machine quickly and in most cases without the public knowing that the move has taken place.

Most tasks in this project will be carried out by the RexxLA Webmaster with the RexxLA board members responsible for testing.

The majority of this document describes the details of each stage involved in the consolidation. Also included are further proposed changes to www.rexxla.org that will improve the site.

Stage 1 - Proof of Concept (rexxla)

This stage involves initial creation of RICE and creation of a sufficient subset of the final resources to ensure the selected software is suitable and REXXLA administrators gain sufficient familiarity with the new software.

This stage will also involve SafeDataISP staff.

<i>Task</i>	<i>Date Completed</i>
Upgrade hardware	2 Sep 2006
Obtain available rexxla.info and rexxla.net domains	24 Oct 2006
Installation and configuration of software:	
Fedora Core 5	2 Sep 2006
Apache 2.x – Web Server	2 Sep 2006
Sendmail - MTA	2 Sep 2006
Mailman – mailing list software	2 Sep 2006
ooRexx	
Regina	5 Nov 2006
Domain name management changes for rexxla.info: planetdomain.com.au	
CNAME rexxla.info to point to RICE	24 Oct 2006
A record to point www.rexxla.info to RICE	24 Oct 2006
A record to point mail.rexxla.info to RICE	24 Oct 2006
MX record to point @rexxla.info to mail.rexxla.info	24 Oct 2006
Test of Mailman	
Create rexxla-board mailing list at rexxla.info	17 Oct 2006
Bulk subscribe current members to new list	17 Oct 2006
Configuration and administration of list	17 Oct 2006
Testing of list by REXXLA Board members	Ongoing
Create www.rexxla.info website as copy of www.rexxla.org	
Add Apache Virtual Domain for www.rexxla.info	24 Oct 2006
Make copy all of ~rexxla/website at RICE	28 Nov 2006
Change any references to rexxla.org to rexxla.info	Not Required
Test static web pages	28 Nov 2006
Install security of Symposium pages and test	28 Nov 2006
Test CGI for Symposium Registration	Postponed
Test CGI for Membership Application	12 Nov 2006
Test CGI for Mailing PIN	5 Nov 2006

Stage 2 – Move mailing lists (rexxla)

This stage involves moving all mailing lists from their various current locations to RICE.

<i>Task</i>		<i>Date Completed</i>
Create rexxla-board@rexxla.info		Completed in Stage 1
Create rexxla-members@rexxla.info		
	Create mailing list	
	Configuration and administration of list	
	Bulk subscribe current members to new list	
	Change members@rexxla.org alias to rexxla-members@rexxla.info	
Create ansi@rexxla.info		
	Create mailing list	24 Oct 2006
	Configuration and administration of list	30 Oct 2006
	Bulk subscribe current members to new list	30 Oct 2006
	Create alias x3j18@rexxla.info to ansi@rexxla.info	5 Nov 2006
Create symplan@rexxla.info		
	Create mailing list	
	Configuration and administration of list	
	Bulk subscribe current members to new list	
Migrate mailing list archives (where possible)		
	Obtain postings to rexxla@lists.psu.edu and add to Mailman archive for rexxla-members@rexxla.info	
	Obtain postings to x3j18@lists.psu.edu and add to Mailman archive for ansi@rexxla.info	

Stage 3 – Move rexxla.org to RICE

This stage will be instigated once all testing of the rexxla.info domain has successfully completed. This stage will be the one mostly noticed by the public.

<i>Task</i>	<i>Date Completed</i>
Domain name management changes for rexxla.org at Network Solutions	
Change DNS resolution from SafeDataISP to Network Solutions	
CNAME rexxla.org to point to RICE	
A record to point www.rexxla.org to RICE	
A record to point mail.rexxla.org to RICE	
MX record to point @rexxla.org to mail.rexxla.org	
RICE to handle email to rexxla.org	
Add rexxla.org as Sendmail local-host	
Move www.rexxla.org to RICE	
Add Apache Virtual Domain for www.rexxla.org (once this is done www.rexxla.org points to the same location as www.rexxla.info)	
Change any references to rexxla.info to rexxla.org	
Finalise mailing list configuration	
Change mailing lists that refer to rexxla.info to rexxla.org	
Add web statistics for www.rexxla.org	
Determine appropriate software and install	

Stage 4 – Move oorexx domains to RICE

This stage will result in all oorexx domains being moved from David Ashley's machine to RICE.

<i>Task</i>	<i>Date Completed</i>
Domain name management changes for oorexx.info at planetdomain.com.au	
CNAME oorexx.info to point to RICE	10 Oct 2004
A record to point www.oorexx.info to RICE	10 Oct 2004
A record to point mail.oorexx.info to RICE	10 Oct 2004
MX record to point @oorexx.info to mail.oorexx.info	10 Oct 2004
RICE to handle email to all oorexx domains	
Add rexxla.net as Sendmail local-host	
Add rexxla.com as Sendmail local-host	
Add rexxla.org as Sendmail local-host	
Move www.oorexx.org to RICE	
Add Apache Virtual Domain for www.oorexx.info	
Make copy all of oorexx.org website at RICE	
Change any references to oorexx.org to oorexx.info	
Test static web pages	
Domain name management changes for oorexx.* at planetdomain.com.au	
CNAME oorexx.net to point to RICE	
A record to point www.oorexx.net to RICE	
A record to point mail.oorexx.net to RICE	
MX record to point @oorexx.net to mail.oorexx.net	
Repeat above 4 steps for oorexx.com and oorexx.org	
Move www.oorexx.* sites to RICE	
Add Apache Virtual Domain for www.oorexx.net	
Add Apache Virtual Domain for www.oorexx.com	
Add Apache Virtual Domain for www.oorexx.org	
Change any references to oorexx.info to oorexx.org	
Add web statistics for www.oorexx.org	
Determine appropriate software and nstall	

Stage 5 – Cleanup of old resources

To complete the RICE project, all previously used resources should be removed.

<i>Task</i>	<i>Date Completed</i>
Remove rexxla.org resources	
Obtain all web statistics from lightlink.com for www.rexxla.org	
Request deletion of rexxla-board-l@lightlink.com	
Request deletion of x3j18@lists.psu.edu	
Request deletion of rexxla@lists.psu.edu	
Request removal of rexxla account at lightlink.com	

Future Projects

Once the RICE environment is established and all existing resources migrated, other projects can be implemented to take advantage of the resources available.

Future Project – Finalise RICE environment

To provide an environment where Rexx resources can be showcased, the following software will be installed.

<i>Task</i>	<i>Date Completed</i>
Install mod_rexx (requires bug fix for mod_rexx on Apache 2.x)	
Install Rexx Server Pages support	

Future Project – Upgrade rexxla.org membership renewal

The current membership application/renewal process is very simple. This stage will upgrade this to a proper membership system. The upgrade will be done on rexxla.net domain and then copied to rexxla.org.

<i>Task</i>	<i>Date Completed</i>
Install MySQL	
Install Rexx/SQL	
Change membership application process to store membership details	
Provide membership maintenance capability	
Provide membership renewal capability	

Future Project – Add RexxLA services

This project will add additional functionality for RexxLA members.

<i>Task</i>	<i>Date Completed</i>
Implement/integrate RexxLA Wiki	
Implement Rexx repository	

Future Project – ooRexx build machine

Change the functionality of David Ashley's ooRexx machine to a build machine for ooRexx. (as suggested by David)

<i>Task</i>	<i>Date Completed</i>
Rebuild machine	
Install VMWARE	
Create Virtual Machines with appropriate build environment	

Future Project – Host other Rexx-related projects/sites

The RICE machine could host other RexxLA-sponsored projects, or other Rexx-related projects.