

Karoshi

<http://www.karoshi.org.uk>

Why did we start Karoshi?

- The three Linux Schools...
- Groups targeted by Karoshi
- What do we aim to achieve?
- Will the benefits out way the costs?



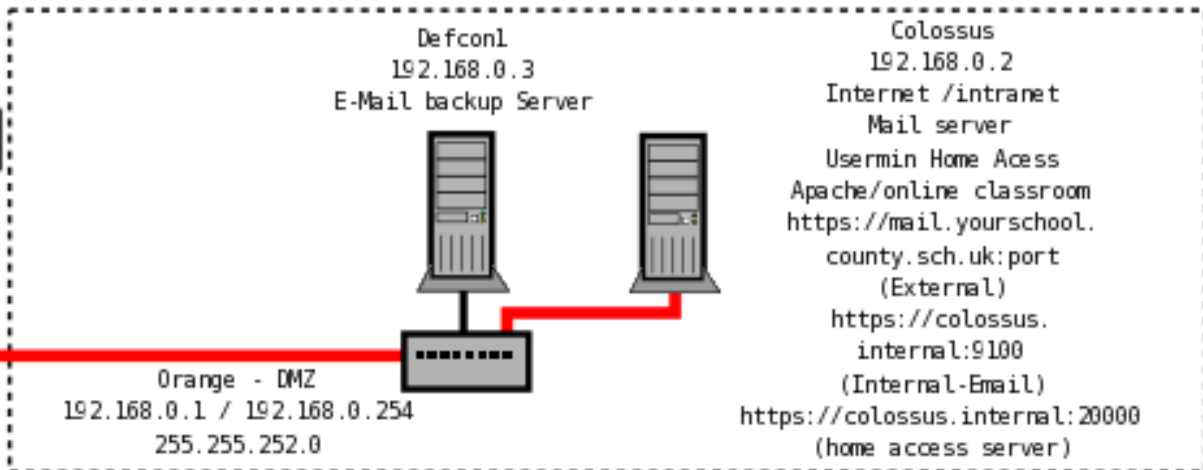
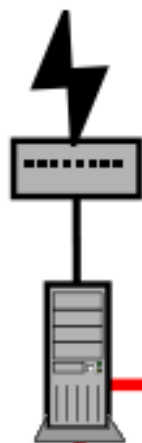
What is Karoshi?

- A reliable replacement for expensive server solutions.
- An easy click installation process that auto configures all of the services and servers used.
- Tools to manage your network that are easy to use.
- A standard set-up that takes around 30 minutes per server.

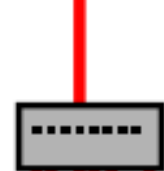


Router: Gateway

Red - External Network



Curriculum Network



Green - Internal Network
172.30.0.0 / 172.30.254.254
255.255.0.0

Workstations



Xen
172.30.0.2
Primary Domain Controller
dept +files
staff, 6th form



Orac
172.30.0.3
File Server
years 1998,2000,etc



Joshua
172.30.0.4
File Server
years 1997,1999,etc



Hal
172.30.0.5
Squid Proxy, intranet,
multimedia Server



Skynet
172.30.0.10
Printer
Server



Sal
Backup Server
172.30.0.11
Secure location away
from main servers

Karoshi Features

- One click installations
- Reliability and uptime
- Easy management
- Consistent set-up between schools



Samba – Connection for windows clients

- Logon scripts for:
- Home area
- Subjects
- Staffshare
- Officestaffshare
- Tempareas
- Programs




E-Learning

Course: GNVQ Intermediate Business 02 - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://colossus.internal/moodle/course/view.php?id=23

 **Swadlands School**
Online Classroom
A Specialist School and Sports College

You are logged in as Mr M.P. Sharrad (Logout)

Welcome » Int Bus 02 Turn editing on





People	Weekly outline	Latest News
<ul style="list-style-type: none">ParticipantsGroupsEdit profile	<ul style="list-style-type: none">News forum	<p>Add a new topic...</p> <p>3 Jul, 13:12 - Ruth Kemp Welcome Back !! more...</p>
Activities	<ul style="list-style-type: none">1 5 September - 11 SeptemberUnit 5 - Customer Service - P1 -Describe clearly the types, characteristics and profile of the customers of your businessP1 - Customer Profiles	Recent Activity
<ul style="list-style-type: none">AssignmentsForumsResources	<ul style="list-style-type: none">2 12 September - 18 SeptemberP2 -1) The main features of customer service provided by my business 2) a) The right way for any business to communicate with their customers? b) How my chosen business communicates with their customersP2 - The main features of customer service and how the business communicates with customers	<p>Activity since Monday, 11 July 2005, 09:15 AM</p> <p>Full report of recent activity...</p>
Search	<ul style="list-style-type: none">3 19 September - 25 SeptemberP3 - The main ways that my business measures customer satisfaction	New users:
<input type="text"/> Search forums		<p>Sharni Goody</p>
Administration		
<ul style="list-style-type: none">Turn editing onSettings...Teachers...Students...Backup...		

Done

School Website

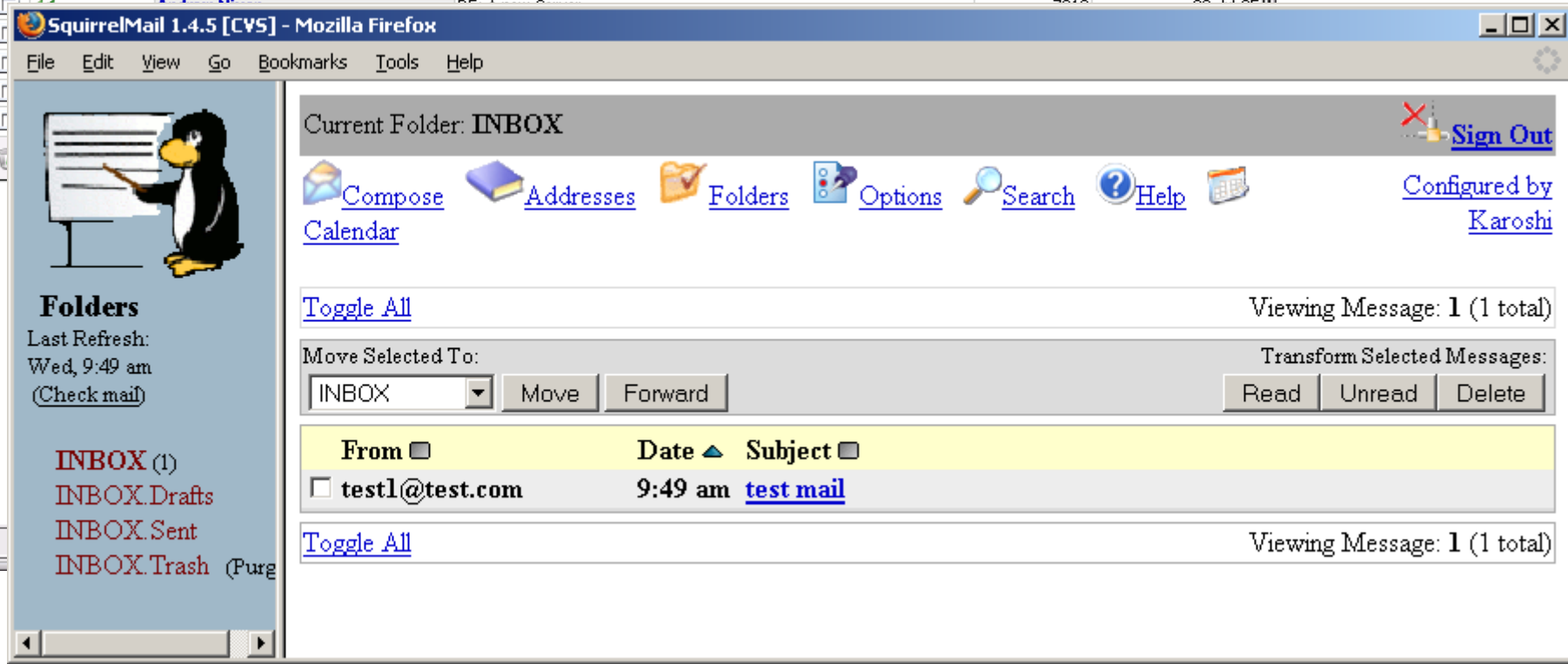
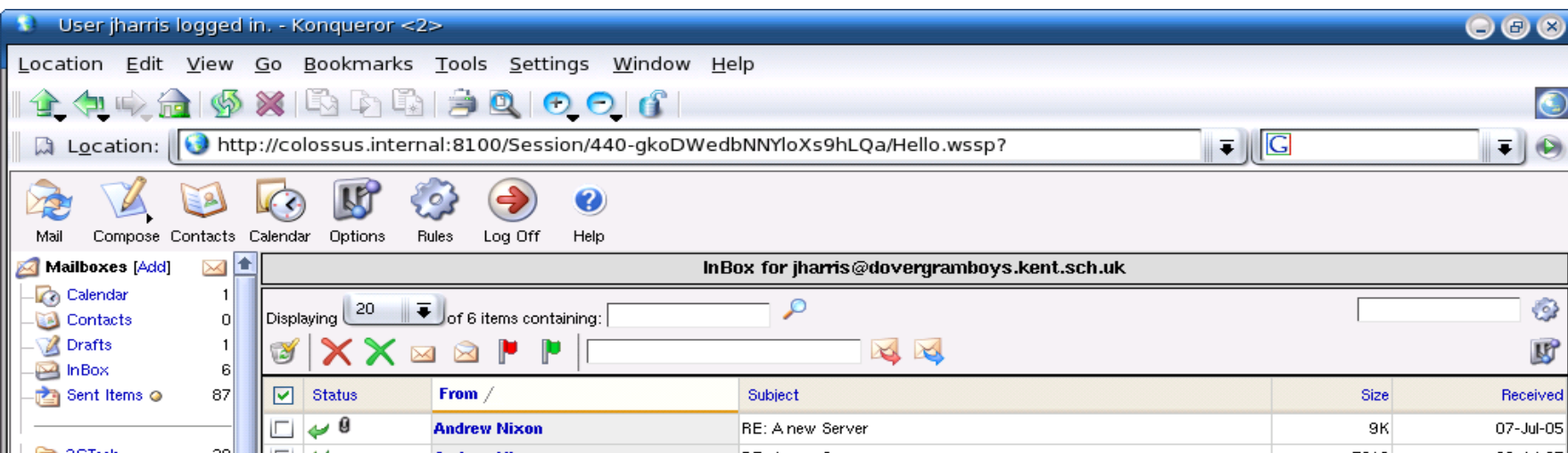
The screenshot shows a Mozilla Firefox browser window with the title "LinuxGrid - Mozilla Firefox". The address bar contains "http://aivas.internal/internal/". The website header displays "LinuxGrid" in a stylized font, with navigation links "Home :: Content :: Topics" and the date "July 13, 2005".

The main content area is divided into three columns:

- Left Column (Navigation):**
 - :: Students / Staff ::**
 - [Online Classroom](#)
 - [School E-mail](#)
 - [Home Access](#)
 - [Web-Links](#)
 - [Encyclopedia](#)
 - [Admin](#)
 - [Help Desk](#)
 - :: School Information ::**
 - [Welcome Message](#)
 - [About the School](#)
 - [The School Day](#)
 - [School History](#)
 - [Contact Us](#)
 - [Term Dates](#)
 - [How to find us](#)
 - [Vacancies](#)
 - [Download Information](#)
 - :: Subjects ::**
 - [Art](#)
 - [Business](#)
 - [Design and Technology](#)
 - [English](#)
 - [French](#)
 - [Geography](#)
 - [German](#)
 - [Health and Social Care](#)
 - [History](#)
 - [ICT](#)
- Middle Column (News):**
 - Thank you for using Karoshi**
Sunday, October 24 @ 13:18:28 BST by [root](#) (5 reads)
Thank you for using the Karoshi project within your school. Let us know how you get on, by contacting us via www.karoshi.org.uk

([Read More...](#) | Score: 0)
 - New Version of Karoshi**
Sunday, October 24 @ 13:17:33 BST by [root](#) (0 reads)
A new version of Karoshi is now available with Online Classroom functionality provided by Moodle.

([Read More...](#) | Score: 0)
- Right Column (Awards and Survey):**
 - :: Awards ::**


 - :: Survey ::**
What is your favourite operating system??
 - Windows
 - Linux
 - Mac
 - Other...

[Results](#)
[Polls](#)
Votes 2

Web-Based Email



Home Access

File manager interface showing a directory tree on the left and a file list on the right. The directory tree shows 'home' > 'users' > 'itadminstaff' > 'jharris'. The file list shows files like '2005', '2ddesign', 'HP Scanjet', 'Links', 'ORLI.JPEG', and 'backup01-dec04' with their respective sizes, users, groups, and dates.

Usermin 1.100 on colossus (Mandrake Linux 10.1) - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

https://colossus.internal:20000/

swelltechnology

Version 1.100 on colossus (Mandrake Linux 10.1)

Usermin

[Change Language](#) [Change Password](#) [File Manager](#)

[Logout](#)

Done colossus.internal:20000

HelpDesk

Help Center Live - Help Desk System - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://hal.internal/hcl/tt/index.php?PHPSESSID=50e9cc5907c3da2605ca6712f683a4ee&PHPSESSID= Go

Help Center Live
LINUXFID

Live Support Offline [Home](#) [? Create a New Trouble Ticket](#) [My Details](#) [Logout](#)

		[Open Tickets] [Closed Tickets]		
	Ticket ID	Subject	Time of last reply	Urgency
[reply]	[52]	4 New computers to go out	Friday 06th of May 2005 at 07:19:14 am	High
	[43]	ict	Tuesday 01st of February 2005 at 09:45:35 am	Very High
	[70]	Railing system	Wednesday 02nd of March 2005 at 10:08:12 am	High
	[157]	Disabling the messenger service	Tuesday 17th of May 2005 at 07:38:24 am	High
	[132]	New version of the gimp	Monday 06th of June 2005 at 11:31:18 am	Medium
	[141]	New version of Firefox	Thursday 28th of April 2005 at 10:58:10 am	Medium
	[143]	Network Re-Wire for finance office	Wednesday 04th of May 2005 at 09:54:09 am	Medium

Transferring data from hal.internal...

Online Library






today's date: 03.04.2005
library hours: M-F 8.40am-5.00p



Karoshi Library System

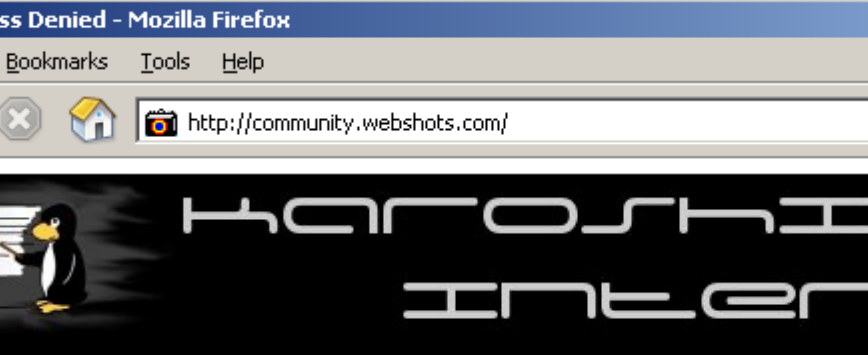
[Bibliography Search](#)
» Search Results
[Help](#)

45 results found sorted by title([sort by author](#)).
Result Pages: 1 [2](#) [3](#) [4](#) [5](#) [next](#)>

Search Results:	
1. 	Title: A short walk in the Hindu Kush Author: Eric Newby Material: book Collection: 910 - Geography & travel Call Number: 000009 No copies are available.
2. 	Title: Black Holes and Baby Universes and Other Essays Author: Stephen Hawking Material: book Collection: 520 - Astronomy & allied sciences Call Number: 000035 No copies are available.
3. 	Title: History - The Home Movie Author: Craig Raine Material: book Collection: 820 - English literature Call Number: 000011 No copies are available.
4. 	Title: Le Morte D'Arther Volumn 2 Author: Sir Thomas Malory Material: book Collection: Fiction Call Number: 000071 No copies are available.
5. 	Title: Le Morte D'Arther Volumn 1 Author: Sir Thomas Malory Material: book Collection: Fiction Call Number: 000070 No copies are available.



Internet Filtering, Room Controls



ACCESS DENIED FOR USER mpsh

Access to the page:

<http://community.webshots.com>

... has been denied for the following reason:

Banned site: webshots.com

You are seeing this error because the page you attempted to access contains, or is labelled as containing, material that

Custom Commands - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

https://hal.internal:10000/custom/

Webmin Feedback

Webmin Help..

Custom Commands

Allow All listed Internet Access

Deny Internet Access for a room

IT3

Allow Internet Access for a room

Return to index




Internet Logging

Mozilla Firefox

File Edit View Go Bookmarks Tools Help

file:///Hal/internetdata/internetlogs/12Jul2005-12Jul2005, Go



Period: 12Jul2005-12Jul2005
User: mpsharrad
Sort: BYTES, reverse
User Report

	ACCESSED SITE	CONNECT	BYTES	%BYTES	IN-CACHE	OUT	USED TIME	MILISEC	%TIME
date/time	www.google.co.uk	15	136.145	15.30%	12.28%	87.72%	00:00:07	7.446	2.55%
date/time	www.phpnuke.org	8	132.084	14.84%	43.21%	56.79%	00:00:04	4.945	1.69%
date/time	www.experts-exchange.com	3	115.353	12.96%	0.00%	100.00%	00:00:03	3.737	1.28%
date/time	www.q8linux.net	1	93.842	10.55%	100.00%	0.00%	00:00:03	3.849	1.32% DENIED
date/time	linux.com.hk	10	65.950	7.41%	0.98%	99.02%	00:00:10	10.846	3.71%
date/time	www.redhat.com	3	51.979	5.84%	0.00%	100.00%	00:00:02	2.712	0.93%
date/time	www.w00tlinux.com	2	49.187	5.53%	0.00%	100.00%	00:00:02	2.637	0.90%
date/time	howtos.linux.com	1	30.676	3.45%	0.00%	100.00%	00:00:00	987	0.34%
date/time	ralf.alfray.com	2	29.623	3.33%	0.00%	100.00%	00:00:02	2.617	0.90%
date/time	www.linux.com	2	22.406	2.52%	0.00%	100.00%	00:00:01	1.155	0.40%
date/time	maconlinux.net	3	22.215	2.50%	0.00%	100.00%	00:00:01	1.408	0.48%
date/time	lists.suse.com	4	20.735	2.33%	0.00%	100.00%	00:00:01	1.050	0.36%
date/time	gd.tuwien.ac.at	1	19.334	2.17%	0.00%	100.00%	00:00:00	372	0.13%

Find: mpsh Find Next Find Previous Highlight Match case

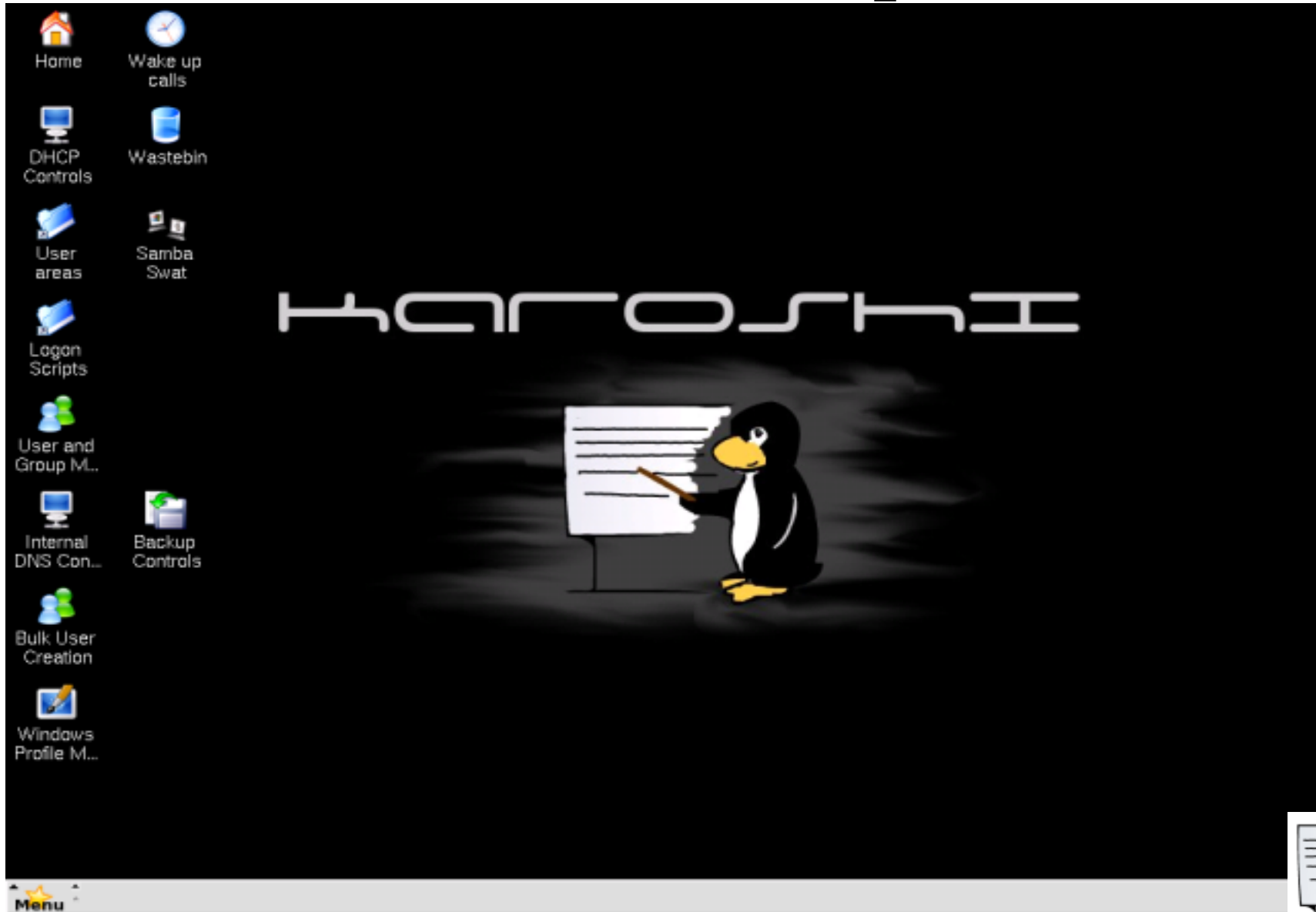
Done

Karoshi Management

- Tools for easy system management
- Provision for backups to be created for each server
- Wake on LAN facility.
- Remote Management
- And much more...



Server Desktops



Creating Users

Create a New User




Please enter the username you want to create:

mhoward04

OK Cancel

Create a New User

Create a New User



Please select the primary group for mhoward04

yr1998	Student_Access
yr1999	Student_Access
yr2000	Student_Access
yr2001	Student_Access
yr2002	Student_Access
yr2003	Student_Access
yr2004	Student_Access
yr2005	Student_Access
yr2006	Student_Access
yr2007	Student_Access
yr2008	Student_Access
yr2009	Student_Access
yr2010	Student_Access
yr2011	Student_Access
yr2012	Student_Access
admin	Read-write access to staffshare and subject areas
guests	Same Access as students
staff	Read-Write access to staffshare and subjects areas
simsstaff	As above but intended for sims use
tech	Intended for student teachers with limited access
itadmin	Intended for staff who have no access to students

OK Cancel

Password



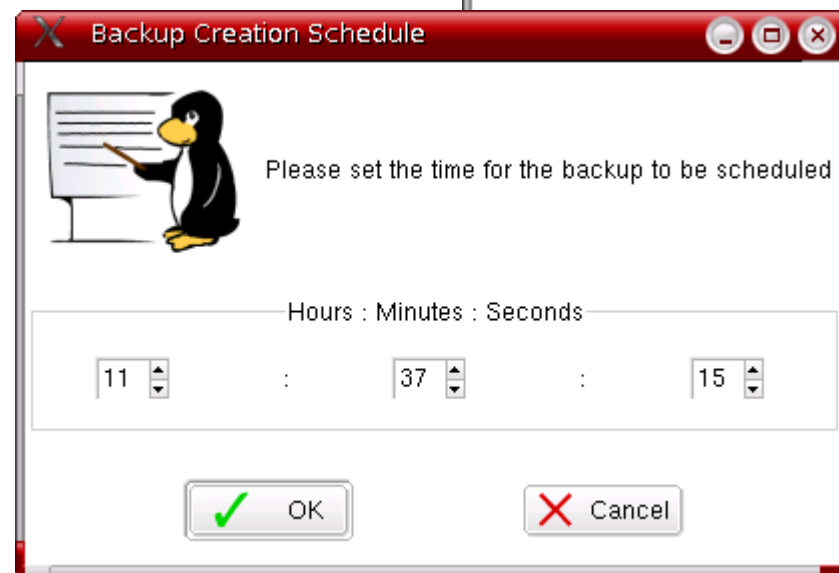
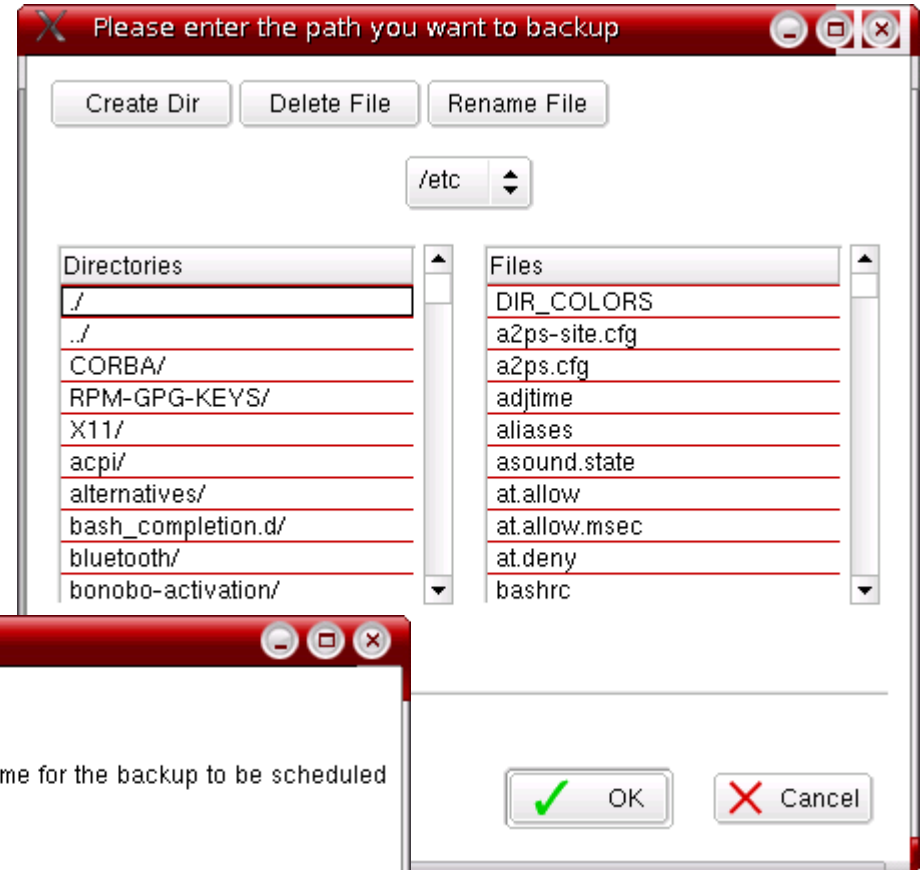
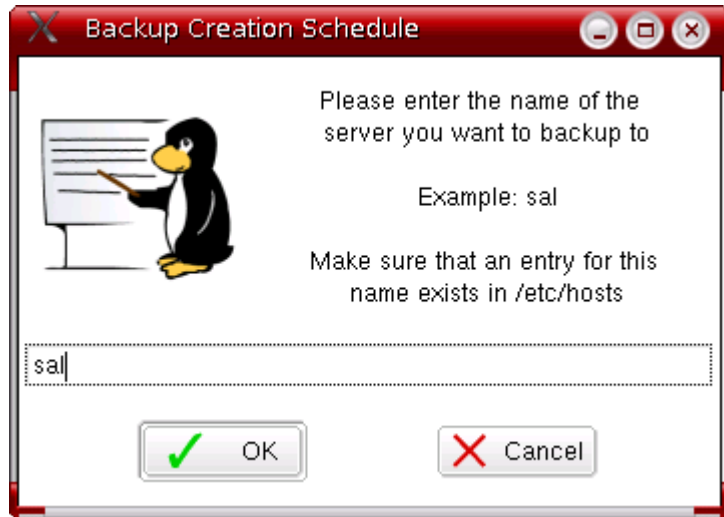
Please enter the password for the new user

Press g to auto generate a password:

Hide typing

OK Cancel

Creating a Backup



Schools

- Eight Schools listed on the website
- 10 schools testing worldwide
- All implemented schools are happy with the outcome.
- Most are promoting Karoshi to other local schools.

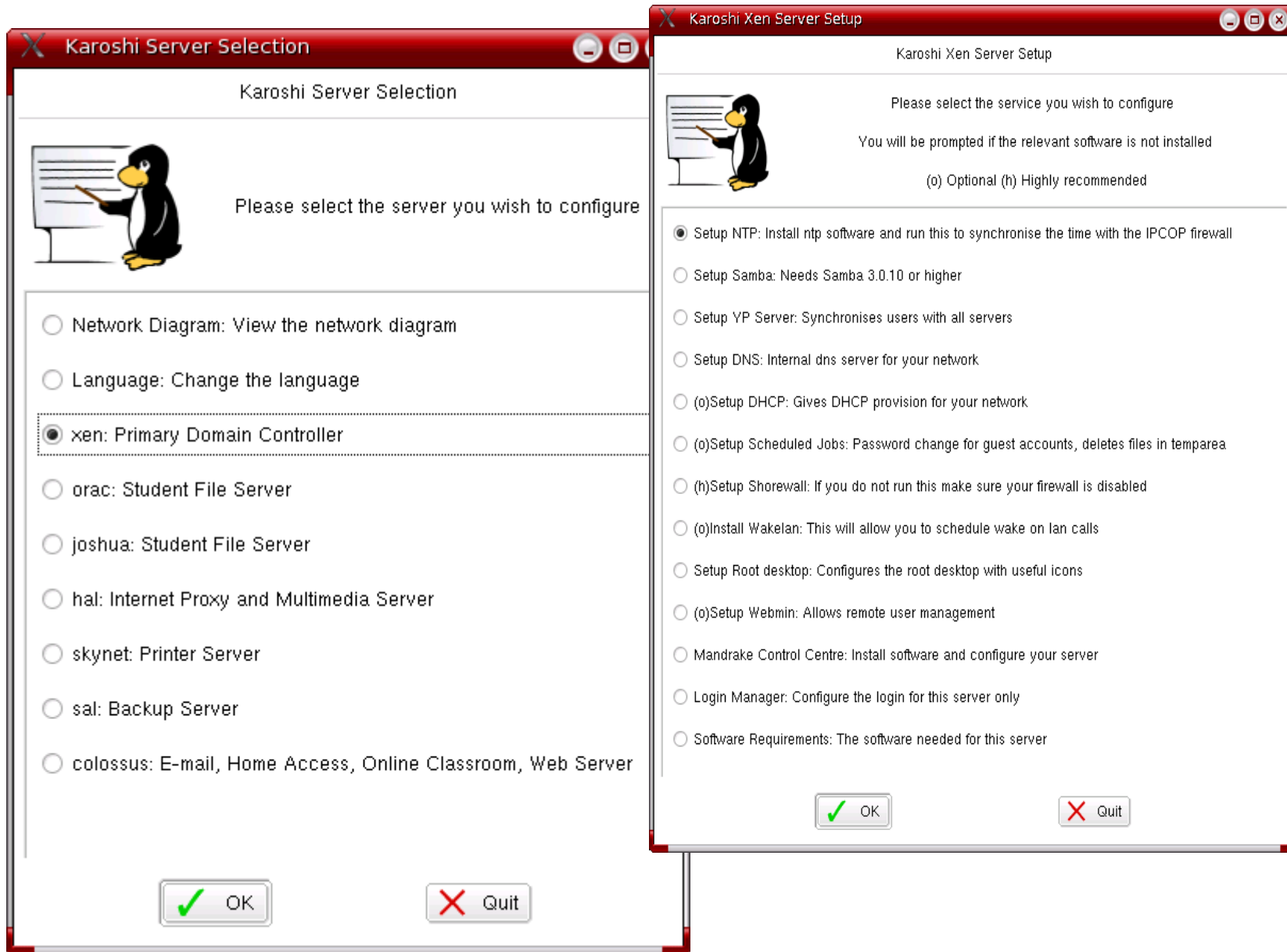


Karoshi Improvements over time



Installing Xen

Before



Karoshi Server Selection



Please select the server you wish

- Xen: Authentication Server - Primary Domain Controller
- Orac: Student File Server
- Joshua: Student File Server
- Hal: Internet Proxy and Multimedia Server
- Skynet: Printer Server
- Sal-Defcon1: Backup Server
- Colossus: E-mail, Home Access, E-Learning, Web Server
- Novac: Media Studies File Server
- Distribution Server: Setup a Distribution Server
- Extra File Server: Install an Extra File Server

OK

Quit

Karoshi Xen Server Setup



Please select the service you wish to configure

- Standard Setup: Setup Xen with the standard Karoshi options
- Features Setup: Setup Xen with extra features
- Other: The software needed for this server

Support

- Online Documentation
- E-mail
- Mailing List
- Phone
- Call-out
- Training



Costs

- Estimated minimum costs of the project and its components
- 7 servers £600 each
- No licence fees
- No upgrade fees
- Training if required



The Future

- Fat Linux Client with remote software deployment
- Deployment Server
- Backup PDC
- Shared development and organisation



Summary

- Karoshi is a reliable replacement for expensive server solutions.
- Schools using Karoshi have a uniform setup.
- An easy click installation process that auto configures all of the services and servers used.
- Tools to manage your network that are easy to use.
- Set-up time per server around 30 minutes



Questions?

