

## Cosmo and Eric

### Cosm-Eric: A World Class Vision

- Change from local NIS (on Cosmos) and NIS+ (on Eric) authentication to "eUMIST" (LDAP-based) authentication.
- Update available applications, e.g., up-to-date email clients and web browsers.
- Decent documentation.
- Eric to become (half) a general-usage machine.
- Change of policy: encourage use of Cosmos and Eric rather than restrict usage — market the things.
- Decent entry on Cosmos (and Eric) in ISD documentation, e.g., The Handbook and on our Website.

### SNMP on Cosmos

- [SNMP](#)

### Cosmos Documenttion — ISD Web Pages

- [Accessing Cosmos](#).
- [ISD Web Pages Sketch](#)

### Gnome on Cosmos

[Here](#).

### LDAP/eUMIST Authentication

The short version: I installed LDAP on a RedHat box and changed authentication on said box to LDAP (rather than flat, `/etc/`, files); changed a Solaris 8 box to authenticate as a client of the RedHat box — this a first step to getting Solaris 7 boxes (Eric and Cosmos) doing the same thing (tried Solaris 8 first as this was reputed to be *much* easier than Solaris 7); changed a Solaris 7 box to do the same thing — this *was* much harder; changed Cosmos to do the same.

This is the long version:

- [LDAP-based authentication](#)

### Cosmos Printing — and Printing *via* Cosmos

Many of the applications and utilities on Cosmos "print" by exporting to generic Postscript which can either be saved to a file or streamed directly to a printer (or print queue); these apps and utils do not come with drivers suitable for printing transparencies, A3, duplex-A4, etc.

So I wrote suitable drivers — essentially wrappers for the generic Postscript:

- [Printing](#)

Anyone registered in the Unicon NIS database can print from a *trusted host* (i.e., a machine registered...). In practice only eUMIST usernames are to be registered.

The problem of which machines can actually be trusted remains! A workaround is to use this script on non-trusted machines:

- [Printing via Cosmos](#)

## **Cosmos: General**

- [Nicks Doc](#)

## **Cosmos: Applications**

- [Applications](#), compilers, etc.

## **Plans for Autumn 2002**

- [Plans](#)

## **Eric**

- [Tony's Doc](#)

## **System Monitoring**

Eric is currently watched by SyMon:

- [SyMon](#)

## **ISD Handbook**

- [ISD Handbook](#)

## Admin Objects

Nick Blackaby wrote a bunch of Perl scripts to facilitate account creation and management on Cosmos (to be found in `/usr/userreg`). With a change of authentication from NIS to LDAP these needed updating. I took the opportunity to re-write the scripts an OO collection of modules — these should be more easily maintainable and extendable:

- [Admin Objects](#)

These are to be found in `/usr/userreg_AO` — accessible via `/usr/local/bin/admin_objects`.

## ssh

The SSH2 stuff (from SSH Communications, rather than OpenSSH) is installed on Cosmos (`/usr/local/sbin` and `/etc/ssh2`):

- [ssh](#)

Since Cosmos uses PAM to do the LDAP authentication SSH clients *must* use **keyboard\_interactive** as the authentication method:

- Using [ssh](#) clients to connect to Cosmos.

## rexec

This really needs to be disabled:

- [rexec](#)

## Logs in Cosmos and Eric: newsyslog

To satisfy the requirements of the Data Protection Act the default logging configuration on Cosmos [has been changed](#).

## TCP Wrappers

... are installed and in use on Eric:

```
-- tcp wrappers: /opt/tcp_wrappers
```

### About this page:

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