



# DIAP – Distributed Internet Archive Protocol

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- Experiment in Long Term Archiving
- Began 3 1/2 years ago in free time, equipment from brother-in-law (tester)
- I worked for a multi site charity, utilising spare resources
  
- DIAP seemed like a fitting acronym so applied for UK IP Property in the form of a TM
- Alpha development – Open Source – small GPL Bash Toolkit
  
- Not trying to be a file system, compete with OpenAFS or peer to peer file sharing
  
- Thinking about the years ahead - energy conservation
  
- Create a **pocket** of very secure and (almost) **free** archive space with unused bandwidth & disk space in a controlled way



# DIAP – Distributed Internet Archive Protocol

Scripts - Utility to **Illustrate the Proof of Concept**

- Allow the Admin to build 3 node DIAP system on Linux servers
- Data is 'dropped off' at delta 0 - over time, trickle between 3 servers
- Different offices or in different parts of the world
- Script creates a user account filled with the necessary configuration using expect, ssh and other native tools
- Run from laptop or workstation:-

usage: `diap_setup.sh [-k accounts and keys] [-s setup dir and cron] [-u undo]`

- A way to reduce the use of Tape Drives?
- Boiler plate in the form of an Internet Draft (with DPA compliance)



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More information:-

[www.diap.org.uk](http://www.diap.org.uk) ( <http://www.diap.ecs.soton.ac.uk/> )

<http://freshmeat.net/projects/distributedinternetarchiveprotocol/>

Thanks for briefly tuning in...

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