


NAS Recovery Preparations

Ask a client

- exact NAS vendor and model – look up
 - maximum number of disks
 - possible RAID levels and filesystem types
- NAS failure story
 - what has failed  guess the cause of failure - hardware or operator error
 - who tried to do what
- NAS configuration
 - RAID level used
 - whether disks were replaced/added (ever? recently?)
 - whether the array was extended (ever? recently?)

NAS Recovery Preparations

Clone or image disks based on

- disk condition
- S.M.A.R.T. attributes (RAW values)
 - Reallocated Sectors Count
 - Current Pending Sector Count
 - Off-line Uncorrectable Sector Count

- Disk clones are faster to recover from
- Disk image files are more convenient to store

Determine sector size

- for GPT disks, search for the *EFI PART* signature
- 4 KB sector size if $8 * \sum Partition\ size = Disk\ size$

For disks of different models,
determine sector sizes for each disk