

IETF 81

Labeled NFS

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Design work

- Minimal XDR changes
- We allow for multiple object labels
- We provide a callback for attribute changes
 - Not just object labels
 - But main use

Label aware server

- No subject labels
- Server allows for setting and getting labels
- Client security software enforces MAC
- Server uses a callback to notify of an open file label change
- Solves seVirt use case

What needs to be done?

- Rewhack requirements document
 - Use cases still apply
 - Not focused on Smart/Dumb
 - Are focused on functional components of LNFS support in the protocol (on the wire).
- David Quigley to lead this effort

Functional status

- 3 implementations brought to last BakeOff
 - Strictly label aware
- Mature, ready to fold into NFSv4.x
 - Bi-weekly meetings could stop