NFSv4 @ IETF55

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October NFSv4 Bakeathon

- No protocol issues found!

- 6 implementations represented

- Implementation bugs found :-)

Rfc3010bis

- Done

- Completed
  - WG last call
  - IETF last call
  - IESG comments
  - Ready for RFC

- Issues? None!

Replication/Migration

- Standing in for Rob Thurlow

NFSv4 Replication and Migration

- ## Since IETF54:

- More discussion of design considerations I-D:

  - Http://www.ietf.org/internet-drafts/draft-thurlow-nfsv4-repl-mig-design-00.txt

- Discussions on WG alias more detailed and frequent

- AFS/DFS EOL making things more interesting

- Have a new protocol Internet Draft (!):

  - http://www.ietf.org/internet-drafts/draft-thurlow-nfsv4-repl-mig-design-00.txt

- Discussions at NFS Industry Conference – Replication & Migration is the next priority now that V4 is done

- ## Soon: Requirements I-D

Replication/Migration protocol

- Simple bulk protocol – XDR+TCP

- Moves V4 named attrs, ACLs, lock/share state

- Complete or incremental

- Assumes source knows changes for incremental
  - 'rdist'-like support later

- Need feedback, either from inspection or from implementation

Replication/Migration issues

- Still need to decide on a security model

- Need some prototyping activity

  - Want to test prototypes at Connectathon 2003 in March!

- Need to explore compression and data reduction

- Base NFSv4 protocol changes – need to produce some proposals

- Management of locations and replicas

- Global namespace – could be big win; V4 currently specifies only migration behaviour