

# NFSv4.1 Draft Updates

IETF 70

Vancouver

# NFSv4.1 draft14

- SSV changes (subkeying)
- Server namespace updates
  - change\_policy attributes
  - Readdir cookie clarifications and fs transition clarifications (fs\_status)
  - And other comments...

# NFSv4.1 draft 15

- Reformatting of I-D for attribute enumeration
- Stateid rework/clarifications
  - Parallel OPENS
  - State revocation and notifications
    - SOME\_STATE\_REVOKED
    - ADMIN\_STATE\_REVOKED
    - RECALLABLE\_STATE\_REVOKED
  - Delegation revocation
- pNFS file layout clarifications

# NFSv4.1 draft 16

- EXCHANGE\_ID clarifications
- SECINFO(\_NO\_NAME) and filehandle rule update
- RPC response rule (same address used for send)
- Directory delegations intro changes
- pNFS data server operation clarifications
- pNFS COMMIT via data server or meta-data server
- Mandatory/Optional Operations table
- IANA section on adding notifications and named attribute definitions

# NFSv4.1 draft-17

- Results of error/ops review
- IANA netid section

# NFSv41 draft-18

- File type definitions added
- Error/operations updates
- Security considerations updates
- pNFS updates (described elsewhere)
- Symlink (opaque/UTF8), UTF8 usage
- Attribute directory treatment

# NFSv4 draft 19 (?)

- Draft 18 will be complete (ready for last call -- discussion)
- Draft 19 WG last call - minor updates