

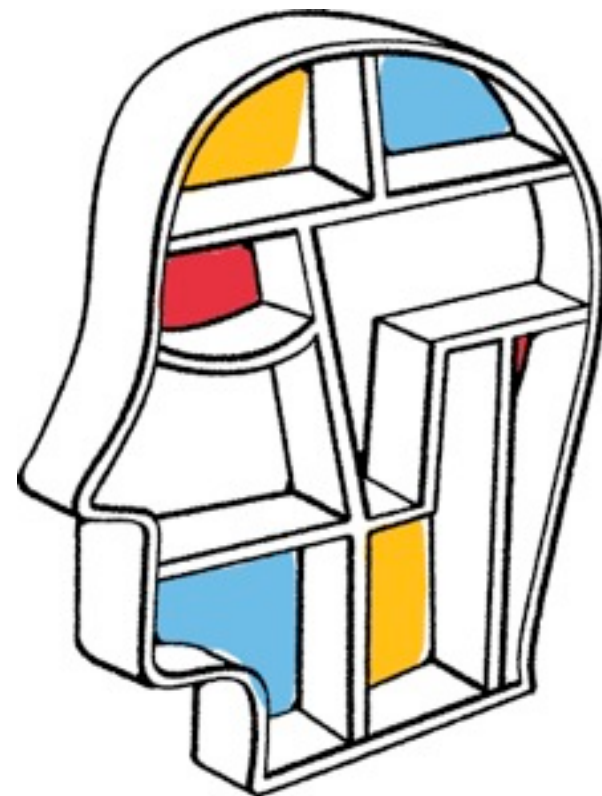


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# IETF and NFS State of the Union

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# Agenda

- Why IETF?
- 3530bis
- FedFS
- Requirements for Labeled NFS
- NFSv4.2
- Migration
- rpcsecgss\_v3
- The weeds



# Why IETF?

- Industry standards
  - If you support RFCs
    - 1813
    - 3530
    - 5661
  - We support you
- New protocol development
- cthon and bats are how we test protocol



## 3530bis

- Very few changes from the AD
- Just went through a mini-last call
  - IBM IPR
- To be sent off to IESG for approval



# FedFS

- Admin
- NSDB Protocol
- See Chuck



# Requirements for Labeled NFS

- Changes required by the AD
- Clear the intention to help security experts
  - Understand use cases
  - Client and server interoperability requirements
  - I.e., existing applications
    - SELinux
    - Trusted Solaris



# NFSv4.2

- In WG last call
- Major sticking point has been OBSOLETE :->
- Working on 2nd year of 1 year plan
- Still going to be less than 5 years
- Lean and mean
  - <100 pages



# Migration

- 2nd revision of document
- Needs reviewers
- v4.0 centric





# rpcsecgss\_v3

- chirp
- chirp



# The weeds

- New layout types
  - 5661
    - Describes pNFS
    - Or describes File Based Layouts
  - What is the role of the control protocol?
- NFSv4.3
  - Time to be proposing