

NFS Version 4 WG

56 1/2th IETF

Brian Pawlowski – co-chair

Rob Thurlow – co-chair

Spencer Shepler - editor

IETF 56 1/2th – June 4, 2003

Things

- Welcome all to the interim meeting
- Continental breakfast and lunch served
- Bathrooms across hallway
- Sign the “blue sheets” – name and e-mail address

Note Well

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Agenda

- Welcome and Introduction (Pawlowski) 1 m
- **Agenda bash etc.** (Pawlowski) 3 m
 - BLUE SHEETS
 - NOTE WELL
 - *Status of drafts*
- **Charter and milestones (LATER)** (Pawlowski) 5 m

Agenda

- “XDR: External Data Representation Standard”
Mike Eisler (2 minutes)
- “RPC Numbering Authority Transfer to IANA”
Rob Thurlow (10 minutes)
- “RPC: Remote Procedure Call Protocol Specification Version 2”
Rob Thurlow (5 minutes)
- Minor versioning process
Rob Thurlow (15 minutes)
- “NFSv4.1: SECINFO Changes”
Mike Eisler (5 minutes)
- “CCM: The Credential Cache GSS Mechanism”
Mike Eisler (15 minutes)
- BREAK (10 minutes)
- 11:15AM EDT Start

Agenda

- 11:15AM EDT Start
- “Server-to-Server Replication/Migration Protocol Design Principles”
Rob Thurlow (2 minutes)
- “A Server-to-Server Replication/Migration Protocol”
Rob Thurlow (15 minutes)
- “NFS version 4 MIB for Server Implementations”
Spencer Shepler (10 minutes)
- “NFS version 4 Directory Notifications”
Dave Noveck, Andy Adamson (20 minutes)

Agenda

- 1:00PM EDT Start
- NFSv4/RDDP requirements discussion
 - Review of RDDP motivation
Tom Talpey (10 minutes)
 - “RDMA Transport for ONC RPC”
Thomas Talpey, Brent Callaghan (20 minutes)
 - “NFS Direct Data Placement”
Thomas Talpey, Brent Callaghan (5 minutes)
 - “NFSv4 RDMA and Session Extensions”
Thomas Talpey, Spencer Shepler (20 minutes)
 - Open requirements discussion (30 minutes)

RDDP charter addition

- o RDMA/RDDP enabling

The performance benefit of RDMA/RDDP transports in NFS-related applications, by reducing the overhead of data and metadata exchange, has been demonstrated sufficiently such that the working group will pursue in parallel enabling NFS and RPC over the transport defined by the RDDP working group. The WG will restrict its initial activities to defining the problem statement and specifying the requirements for possible extensions to RPC and NFS (in the context of a minor revision).

RDDP Milestones

APR 03 - Draft problem statement I-D for NFS/RPC/RDDP submitted

JUN 03 - Draft requirements document I-D for NFS/RPC/RDDP submitted

JUL 03 - AD review of NFS/RPC/RDDP progress and charter

Next action: form sub-group

- Look for e-mail polling for interested parties to craft problem statement and/or requirements

Agenda

- 2:45PM EDT Start
- Owner/Group mappings in multiple security contexts
Nico Williams (30 minutes)
- “A Namespace For NFS Version 4”
Rob Thurlow (15 minutes)
- “Mapping Between NFSv4 and Posix Draft ACLs”
Marius Eriksen (15 minutes)
- ACL/modes
Shepler (20 minutes)
- NFSv4 (RFC3530) interpretation discussions/clarifications
Shepler (30 minutes)
- NFSv4 implementation and test plans for moving to Draft Standard
Shepler (5 minutes)
- END

End