

NFS/RDMA Last Call Prep

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Network Appliance

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The drafts since last rev...

- Problem Statement
 - Informative document
 - draft-ietf-nfsv4-rdma-problem-statement
 - Updated for grammar and references
- RPC/RDMA
 - Normative RPC transport layering
 - draft-ietf-nfsv4-rpc-rdma
 - Updated for grammar and references

NFS-RDMA draft...

- NFS Direct
 - Normative NFSv2/3/4 layering on RPC/RDMA
 - draft-ietf-nfsv4-nfs-direct
 - Updated grammar and references
 - Added RPC netid assignment need
 - Added port discussion

Port assignment/reuse

- iWARP in RDMA mode presents port reuse issue
 - Which RPC framing to use?
- Not an issue for portmap-mediated connections and netID
- Not an issue for NFSv4.1 w/session
- Makes recommendation for use of portmap mediation for v2, v3 on iWARP
- Alternative – new well-known port for iWARP/RDMA

Implementations in progress

- Linux client, server
 - NFSv2, v3, v4 tested and passing Connectathon, etc.
 - Tested over Infiniband, iWARP
- OpenSolaris client, server
 - NFSv3 tested and passing Connectathon
 - Tested over Infiniband
- Linux client to OpenSolaris server interoperate (!)