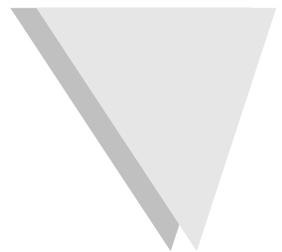
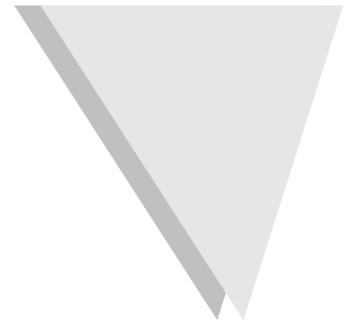
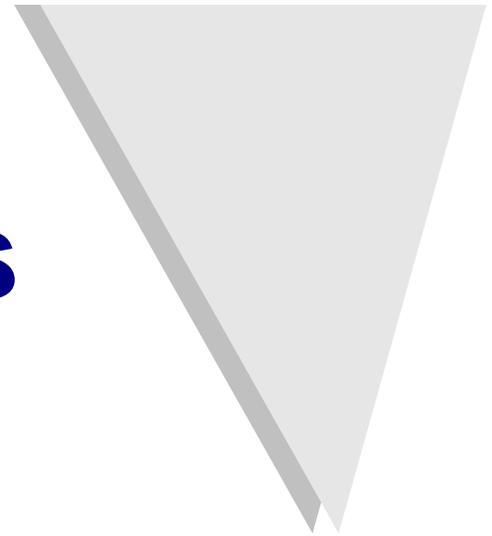


NFSv4 RFC Status

Spencer Shepler
shepler@eng.sun.com

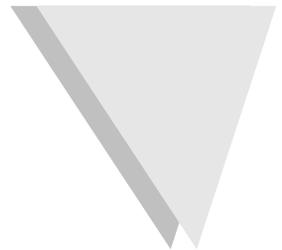
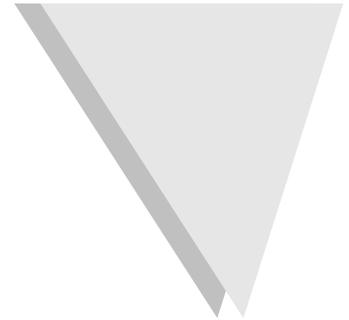
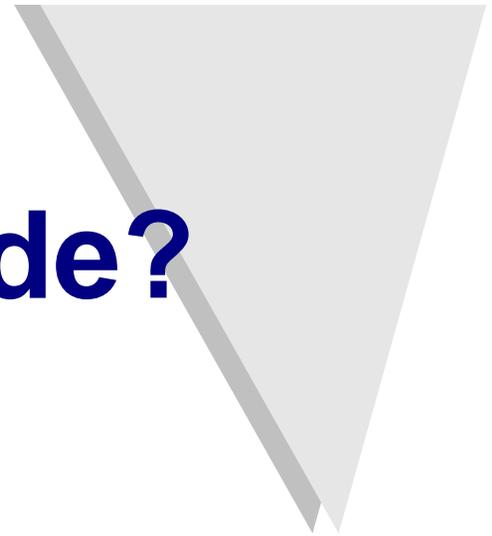


Updates to RFC3010

- Issues from October Bakeoff and Cthon 2001
- Resolve issues and update RFC3010 for next I-D
- Deadline for resolution/updates – May 1st
- Ask for timely WG feedback to meet deadline

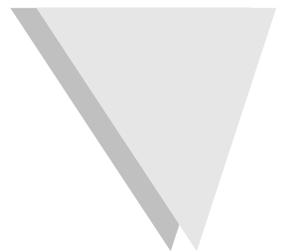
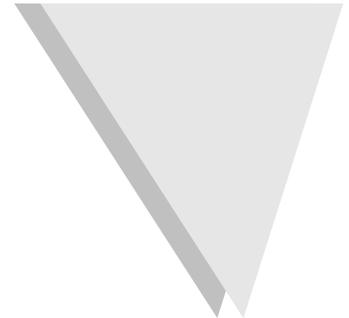
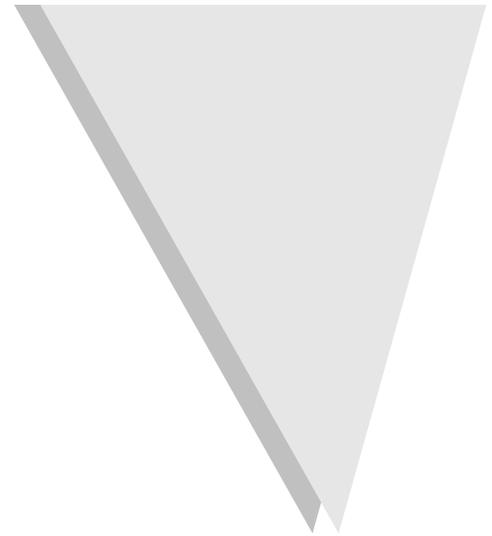
What will updates include?

- Issue resolution will include:
 - RPC description changes
 - Semantic clarifications



Clarifications

- Response count for COMPOUND
- Lease and deadlocks
- CREATE/OPEN/MKDIR errors
- Issues with locking length of all ones
- Byte ranges with 32-bit systems
- Delegation recall at RENAME
- Initial sequence id



Clarifications (cont)

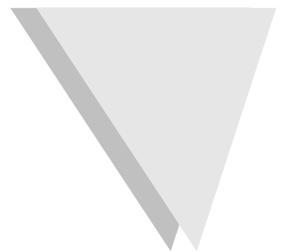
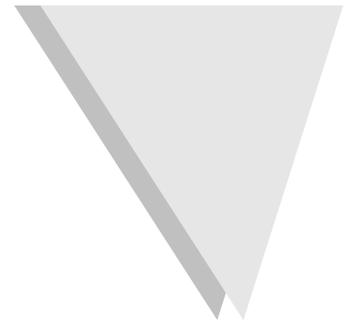
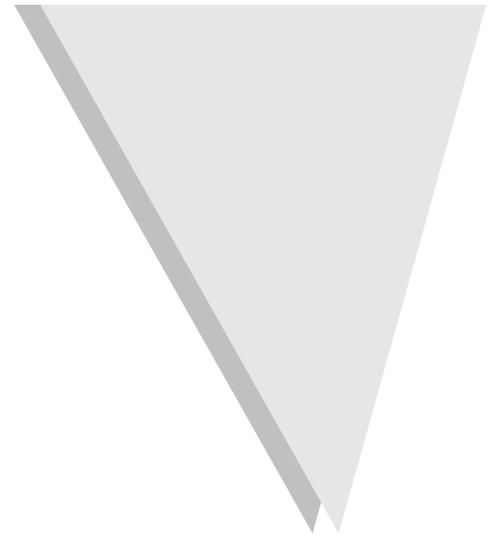
- Overlapping and other weird byte ranges
- SETATTR response attribute mask
- OPEN upgrade and share conflicts
- Stateid returned on CLOSE
- Only one outstanding seqid-containing request at a time
- Unlimited-length opaques
- Get a seqid using OPEN

RPC Description Changes

- Multi–component pathname issues
- Server references delegations by FH, not stateid
- Remove tag from compound request/response
- OPEN and CREATE returning bitmap of attributes

Other issues

- Attributes needed on create
- NT server issues with OPEN upgrade
- Lease/stateid/sequence-id
 - Interaction of Leases, state-id's and seq-id's
 - Don't increment seq-id on error
 - Need for sequence synchronization op
 - Retransmit of CLOSE and handling of stateid



NFSv4 Implementation I–D

- Start work when RFC 3010 are well under way
- Will take input for I–D!