

rfc3010bis.txt

Spencer Shepler

Sun Microsystems

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Oct Bakeoff / Recent developments

- ⇒ Usual attendees
- ⇒ Lot of progress with new state model
- ⇒ New issues raised were a minimum
- ⇒ Recent items implemented
 - Named attributes
 - Delegation currently being worked
- ⇒ Python client announced (test harness)

RFC3010/rfc3010bis

- ⇒ Latest draft (draft-ietf-nfsv4-rfc3010bis-00.txt)
- ⇒ Current draft and issues list at:
<http://www.nfsv4.org/rfc3010updates>
- ⇒ Another draft update will be ready next week

Interesting Issues

- ⇒ Further clarification (minor mods) to open/locking state model
- ⇒ OPEN upgrade/downgrade paths
 - conflicts between Unix and Windows capabilities
- ⇒ Special stateid usage
 - what is needed vs. what we can define
- ⇒ File locking
 - write lock when file opened for read
- ⇒ Psuedo filesystem security mechanisms

Interesting Issues (cont)

- ⇒ Add Windows semantics for file removal on CLOSE
- ⇒ Recovery of partial state "loss"
- ⇒ Various delegation clarifications
 - Multiple mounts at the client (one delegation)
 - Return of delegation (via CLOSE/DELEGRETURN)
 - ...
- ⇒ UTF-8 validation

Replication/Migration

Rob Thurlow

Sun Microsystems

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NFSv4 Replication and Migration

⇒ Why?

- V4 incomplete without it
- AFS/DFS does it well, but they're not really standard
- Users will benefit from a standards-based approach!

⇒ Why IETF and NFSv4 WG?

- Best fit with needs of NFSv4
- Can handle NFSv4 details (e.g. Attributes)
- Best consistency and correctness