

Transaction ID

draft-ietf-netconf-transaction-id-03

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draft-ietf-netconf-transaction-id-03 changes vs. -02

- Minimal changes

- Updated language slightly regarding format of etag values, and some recommendations for implementors that support etags in multiple management protocols (NETCONF, RESTCONF, ...) and encodings (XML, JSON, ...).
- Editorial changes and typos

Next Steps

- Txid changes to align with PrivCand?
 - Currently none proposed
- Further Implementation experience
- Are we Done? Time for Last Call?

Txid Features

- Only relevant for config true
- Works with Running, candidate, or privcand
- Reliable and parallel editing, removes need for locks
- Considerably more efficient management protocol
- Echo detection in yang-push

Simulated Results

- Real world management application running 1h in lab:
 - 569 => 378 roundtrips, down 34% (network load, delay)
 - 1002 kB => 547 kB, down 45% (network load, processing)
- No datastore locking
- No window of vulnerability to clashing configurations

Thank you