draft-ietf-netconf-privcand-01

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Recap

• Draft addresses issues around concurrent configuration activities over NETCONF and RESTCONF to improve network integrity and performance
• Introduces the concept of private candidates
• Defines what a conflict is and how to resolve them when they occur
• Provides a solution for NETCONF servers that are NMDA capable and those that are not
• Details extensions for existing NETCONF operations
• Adds a new <update> NETCONF operation
Updates

• Draft adopted by the working group, moved to draft-ietf-netconf-privcand-00
• Subsequently updated to draft-ietf-netconf-privcand-01
• -01 updates
  • Addressed comments from Qiufang (Thank you)
  • Removed the requirement to advertise :candidate in addition to :private-candidate for NMDA capable servers
  • Added IANA section to request allocation of the capability
  • More explicit about destruction point of a private candidate
  • Specified that <lock> and <unlock> do not implicitly lock the running datastore
• Not tied to txid draft (on purpose) to allow conflict detection for systems that do not implement this draft to still use private candidates
Backup
Branching diagram

Create PC1
edit-config
commit
edit-config
commit

Private candidate 1
edit-config
update
update

Running configuration

Private candidate 2
edit-config
update
discard-changes

Destroyed on session close
Destroyed on session close