NSCP Progress
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NSCP

Work to Date

- NSCP is an input to the DCOMA discussion
- Overview presented at IETF-69
- Spent time examining parameters from variety of nameservers in bid to find simple classification
- Trying a different approach, outlined in draft-arends-nscp-00.txt
Function Breakdown

- Commands - start, stop, halt etc.
- Zone manipulation - add zone, remove zone, ACL creation, etc.
- Parameters
- Statistics
- Zone data - manipulation of small amounts of RR data
  - allows a single tool to manage all aspects of nameserver configuration
Implications

- Some categories common, some nameserver-specific
- Do not need to implement everything to get some use from NSCP
- Implies development of basic protocol plus extensions
• NETCONF (RFC 4741)
  – Designed for controlling network devices
  – Variety of transport protocols
  – Provides the basic protocol superstructure
  – Persistent connections
  – Extensible
  – XML
Next Steps

• Decide on set of functions for the basic protocol
• Refine object model
• Define capability
• Produce proof of concept implementation