



nominet

NSCP Progress

December 2007

Stephen Morris
stephen.morris@nominet.org.uk

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

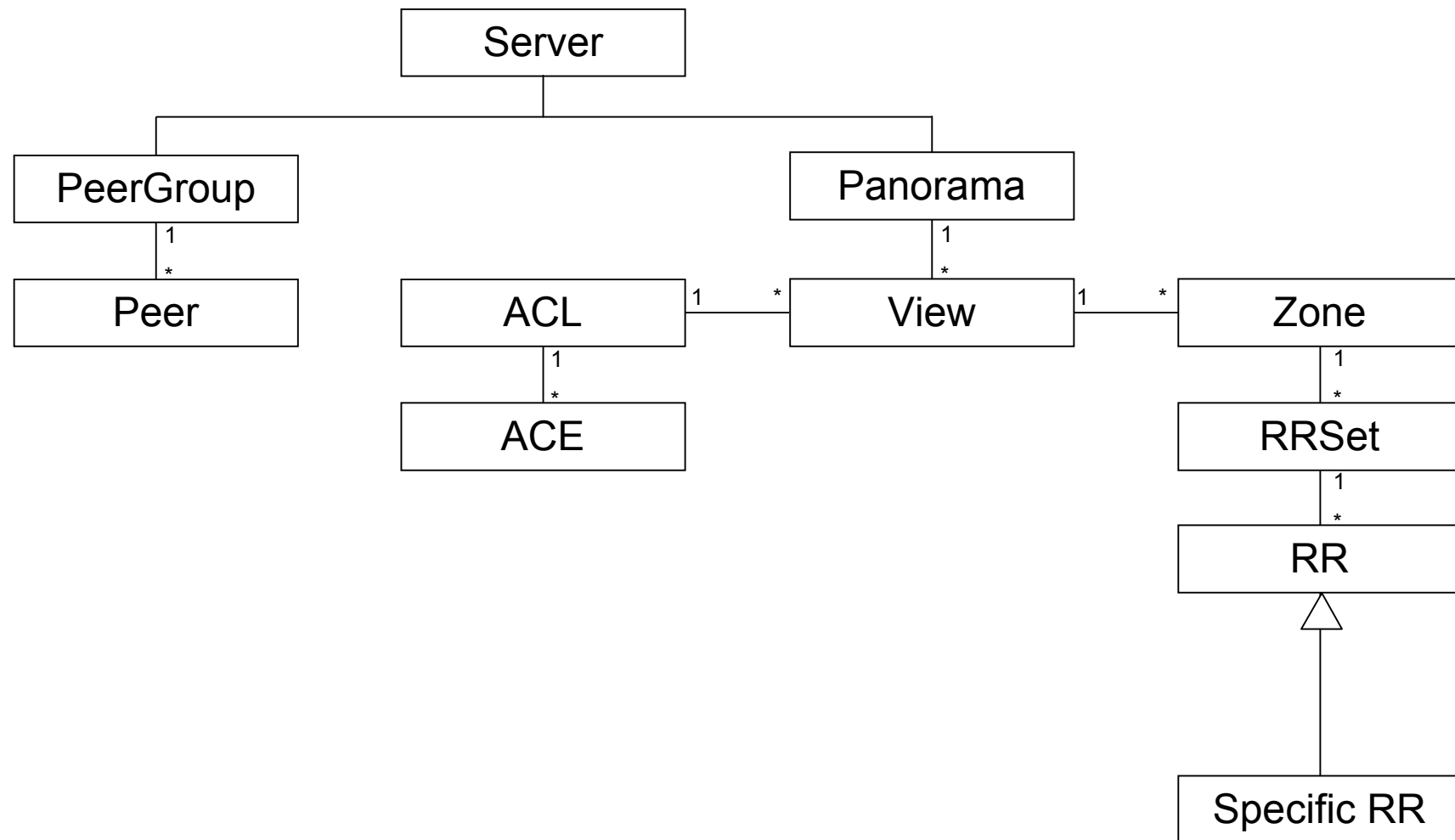
- Commands - start, stop, halt etc.
- Zone manipulation - add zone, remove zone, ACL creation, etc.
- Parameters
- Statistics
- Zone data - manipulation of small amounts of RR data
 - allows a single tool to manage all aspects of nameserver configuration

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

First-Cut Object Model



Next Steps

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

NSCP

Questions?

nominet

