LMAP Information Model
draft-ietf-lmap-information-model-01

Trevor Burbridge, BT
Jürgen Schönwälder, Jacobs University

Tasks (1/2)

- Everything is now a task, including
  - controller communication
  - reporting
  - measurement
  - data aggregation
  - management
- All tasks are executed by a schedule
- Task configuration options are name-value pairs

Tasks (2/2)

- Tasks can be chained together (i.e., Tasks can have output set to another Task)

- Measurement tasks output to reporting Tasks that output to Collector channel(s)

- This is specified within the Schedule (i.e., output of a Task can be different in different Scheduled instances)

Configuration

- Configuration now specifies the set of tasks, schedules and channels on which to perform communication with the Controller

- Pre-configuration is just a minimal subset in order to establish first contact with a Controller (it is not a separate information object)

Channels

- Channels can be both inputs and outputs
  - In particular, there is now a single channel between an MA and a Controller
- Channels have credentials for the far-end as seen from the MA (e.g. Controller or Collector)
- "report always" removed from Channel; this should now be a property of the Reporting Task that may be configured using task Options

Suppression

- Suppression now has an option to terminate existing tasks as well as stopping the execution of new tasks

- Task configurations now have a "suppress by default" flag to indicate whether they should be affected by a default suppress instruction (that does not specify which tasks/schedules to suppress)

Reports

- Context information removed from report header

- Context (e.g. access line speed, access line technology) should be reported by measurement tasks
  - either a separate specific task to gather and report such parameters or
  - as additional columns for other metrics

Miscellaneous

- security information changed from "certificate" to more generic "credentials"

- SSL changed to TLS

- "MA to Controller" information renamed to "Logging"

- numerous further clarifications, explanations and examples

- example in JSON added as Appendix

Status

- Received feedback from Ken Ko (8th July) and Michael Faath (10th July)
  - Several of minor edits and clarifications
  - No major technical issues
- Possible path forward
  - Post another revision with clarifications etc.
  - Working group last call