

OpState & Schema Mount Update

NETMOD WG Chairs

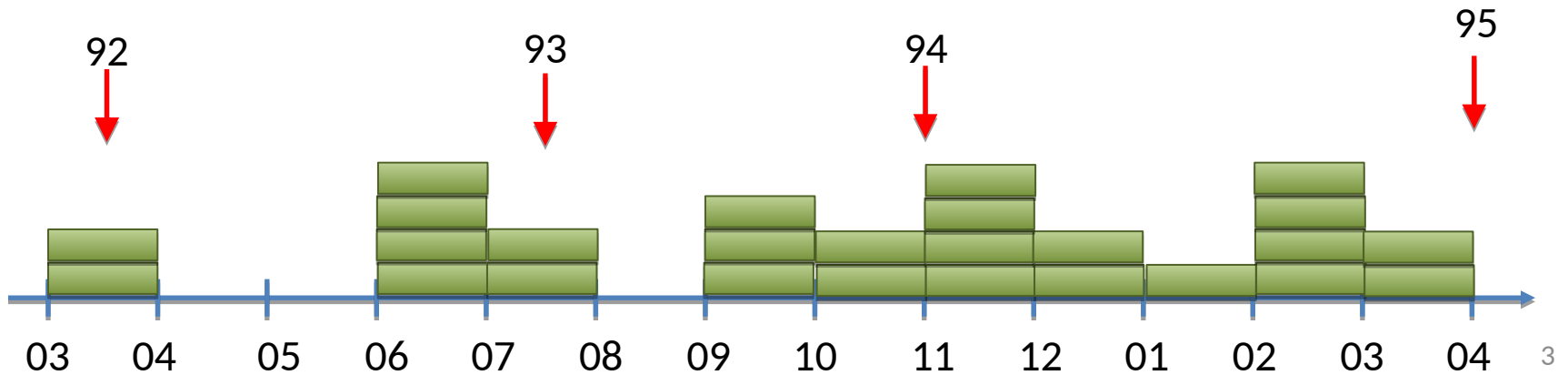
IETF 95 Buenos Aires

Context: Opstate & Schema Mount

Drafts, presentations, and interim meetings:

- 2015-03: original openconf drafts submitted & presented @ 92
- 2015-06: draft-openconf-netmod-opstate-01 updated
- 2015-06: opstate virtual interim meeting #1
- 2015-06: opstate virtual interim meeting #2
- 2015-07: bjorklund-netmod-openconf-reply-00 posted and presented @ 93
- 2015-09: kwatsen-opstate-00 posted & presented @ 94
- 2015-09: wilton-opstate-yang-00 posted & presented @ 94
- 2015-09: opstate virtual interim meeting #3
- 2015-10: opstate virtual interim meeting #4
- 2015-10: opstate-reqs-00 posted & presented @ 94
- 2015-10: informal mount' related discussions with Routing Area YANG Design Team @ 94
- 2015-11: hotka-netmod-ysdl-00 posted
- 2015-11: wilton-opstate-yang-01 posted
- 2015-12: wilton-opstate-yang-02 posted
- 2015-12: bjorklund-netmod-structural-mount-00 posted
- 2016-01: draft-rtgyangdt-rtgwg-device-model-02 posted, using structural-mount/YSDL
- 2016-01: opstate-reqs-04 posted
- 2016-02: opstate solutions analysis completed (but not published)
- 2016-02: schema-mount authors virtual meeting #1
- 2016-02: kwatsen-opstate-01 posted
- 2016-02: kwatsen-opstate-02 posted
- 2016-02: bjorklund-netmod-structural-mount-01 posted
- 2016-02: bjorklund-netmod-structural-mount-02 posted
- 2016-03: opstate solution authors informal meetings

Histogram



Each draft update, presentation, and interim given one unit

OpState Solution Update

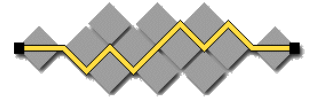
- Authors of individual drafts asked to propose a joint solution
 - Two author's meetings held already
 - Notable discussion on telemetry/streaming use case
 - Some discussion on leveraging YANG push
 - Another scheduled for 2-weeks after IETF 95
 - Hopefully will have joint solution draft in April/May?
- Will then discuss on list and, probably, hold interim
 - Objective is identifying consensus on proposed direction
- Target is draft-ietf-netmod-opstate-soln-00 before Berlin
 - Following normal WG process:
IPR polling and Poll for adoption

Schema Mount Update

- Interim held to discuss proposals
 - General agreement on utility of function
 - Authors of solution drafts agreed to merge efforts, using structural-mount draft as foundation for work.
- draft-ietf-schema-mount adopted today (expected)
 - Hopefully -00 will be posted this week
- Authors (Martin/Lada) working on -01
 - Details, timing, to be covered by Lada/Martin in next discussion slot
- Will then discuss on list and, if needed, hold interim

Key Requirements of

This Use Case



From Feb 22 Interim

This = draft-rtgyangdt-rtgwg-device-model

1. That any data model can be instantiated within another module
 - Instantiated means that information is maintained only within the 'mounted' context
 - This use case only requires mounting of top-level models
2. That no additional model is needed to support 1
 - The schema defines what other modules can be mounted
3. That a server can control which models are mounted
4. That all capabilities that exist with the mounted module are available e.g. RPC operations, notifications, and augmentations