SLURM for ASPA

https://www.ietf.org/archive/id/draft-spaghetti-sidrops-aspa-slurm-00.html

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Re-cap: what's SLURM?

RFC 8416 - *Simplified Local Internet Number Resource Management with the RPKI*

- An industry standard format to describe *filters* for RPKI ROAs & BGPsec Router Keys,

- and optionally *assert* synthetic ROAs or Router Keys

RFC 8416 obviously pre-dates ASPA

SLURM for ASPA
design objectives

- Develop a new industry standard data format to facilitate *override procedures* for Validated ROA Payloads (VRPs), BGPsec public key materials, and Validated ASPA Payloads (VAPs)

- Find the lowest common denominator **all participating** RP/RTR implementations are willing to **fully** support

- Minimize any potential for confusion (operators needing overrides sometimes are in a panic)

- Incorporate errata

Non-goals

- Introduce timer support (think crontab)

- Flexible matching (like regular expressions)

- Giving operators "full control"

  - Operators requiring "full control" should download RP/RTR source code and a compiler – no joke

- Deviate from established format (no XML)

- Allow for optional undefined JSON members

Status
draft-spaghetti-sidrops-aspa-slurm

- **Not (yet)** a working group document

- Documents what's implemented in StayRTR (which is subject to change)

Feedback so far:

- Di Ma and Tim Bruijnzeels provided valuable comments and suggestions

  - What elements compose filters

  - Adhere to keyword naming conventions

  - ASPA Assertions to implicitly also be filters

Next steps

- Incorporate all non-controversial suggestions
    - Update StayRTR to adhere to new *-01*
- Team up with second implementation
    - *Multiple independent* implementations make for better specs (see discussion about running code)
- Call for working group adoption?