LTA, SLURM, and TAO

Steve Kent

BBN

Local Trust Anchors

- The notion of an LTA was introduced (long ago) to accommodate local use of reserved INRs
- Over time additional functionality was envisioned for the LTA, addressing other use cases
- http://tools.ietf.org/html/draft-ietf-sidr-ltamgmt (aka LTAM) specified how to achieve the increased functionality that had arisen
- Eventually it was determined that a much simpler solution to the initial problem would be preferable, and separate mechanisms to address other "use cases" might be preferred

SLURM

- The current proposal for dealing with use of reserved INRs (and misappropriated INRs) in a local context is called SLURM: http://tools.ietf.org/html/draft-dseomn-sidr-slurm-00.txt

- The authors of the LTA management I-D wish to replace it with SLURM

Suspenders

- To address other use cases that LTAM grew to encompass, another proposal has been developed: Suspenders http://tools.ietf.org/html/draft-dseomn-sidr-slurm-00.txt

- Suspenders addresses concerns that have been raised about the impact of errors by RPKI CAs, and the impact of a CA being compelled to "tinker" with the RPKI (e.g., by a law enfircement organization)

- Suspenders is independent of SLURM

TAO

- A few years ago Sandy raised the issue of how transfers were to be managed in the RPKI

- No responses were forthcoming from registries

- TAO is a detailed description of how to effec a transfer, using an extended version of the up/down protocol

- It is defined in a way that is compatible with the current cert path validation algorithm

- If we adopt a relaxed path validation algorithm, it can become simpler

- At this time there is no other detailed description for how to effect INR transfers between CAs in the RPKI

Summary

- The authors of LTAM request that it be killed as a WG item and replaced with SLURM

- The authors of Suspenders request that it be adopted as a starting point for addressing the functionality that was in LTAM but not in SLURM

- The authors of TAO request that it be adopted as starting point for defining how INR transfers in the RPKI will be effected, with the understanding that it will change to accommodate a relaxed path validation algorithm if one is specified and approved by the WG

Why I Arrived on Tuesday