AS-Cones

Introduction

- NOT a Sidrops draft

  - Although similar work is being performed

- It's good to get feedback from other WGs

Latest changes

- New additional author, Melchior Aelmans

- Revisited security model

- New models for building prefix lists

  - Based on the security model

Security model

- Adding an AS-Cone to another AS-Cone **requires** acknowledgement

  - Avoids anyone adding, for example, large networks in their customer cone

- Adding an ASN to an AS-Cone has an **optional** acknowledgement

- The acknowledgement is registered in the AS-Cone as a boolean value in the "Validated" field for each entry

Building prefix filters

Loose
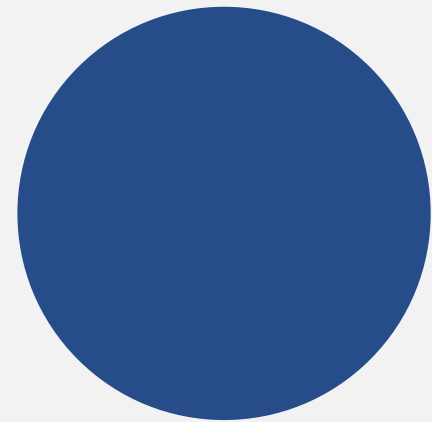
Get any ASN and any AS-Cone in the AS-Cone indicated by your downstream
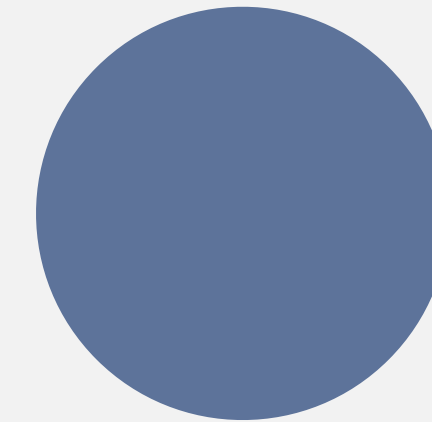
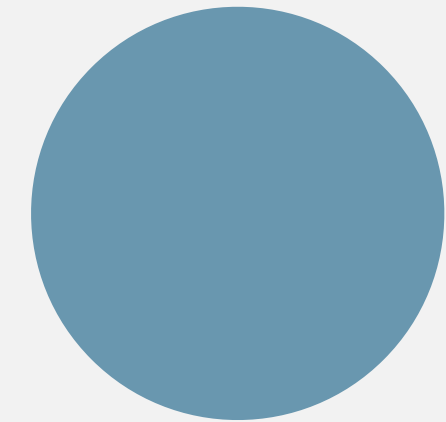### Opportunistic

Get any ASN and any AS-Cone.

For the ASNs, only consider those where the "Validated" field is set to 1

Almost-strict

Remove any sub-trees where any one single entry is not validated

Strict

Only consider the AS-Cone if **every** entry has been validated

Integration with ASPA ?

- The two ideas have a lot in common

- Maybe worth considering unifying them ?

  - Or just building facilities to make the two interoperable ?

- While infrastructure is being built for one, adding support for the other is much easier

Questions ?

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