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Hierarchical Authorization or "Aut-num Authorization for Route Objects" in the RR

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Goal

In the Routing Registry:

- Allow network operators to control who announces a route in their AS

- **Non-Goal**:
  - Produce an optimal hierarchical authorisation scheme for the RR

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Mechanism

- Add “mnt-lower” to aut-num object
- mntner specified determines
  - who can add/update/delete a route object with that aut-num as origin

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Example

aut-num: AS3333
mnt-lower: AS333-MNT

mntner: AS333-MNT
auth: CRYPT-PW peEw8Gb4xBNqI

route: 193.0.0.0/23
...

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Issues

- Curtis Villamizar:
  "Inadequate": not CIDR-based!
- Others: "Great! Just do it!"

- Change of Name?
  – Aut-num Authorization for Route Objects in the RR

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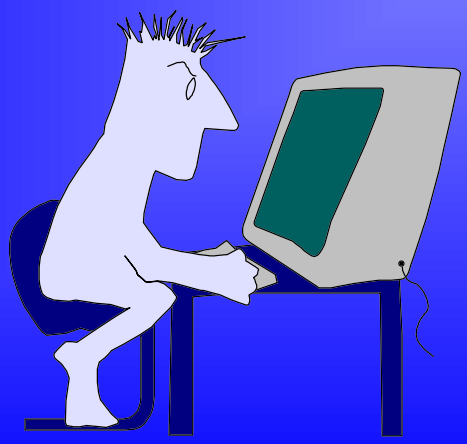
Just do it?