RESTENA

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RADIUS "fancy" accounting

Stefan Winter <stefan.winter@restena.lu>

Status of draft

- Still at rev -00
- Upcoming changes:
  - Data type 64-bit integer moved into extended attributes draft
  - Will go away in rev -01
- List: How to count?
  - This is easier in standard "all or nothing" accounting
  - Suggested approach: next slide

Bean counting

- Counting can occur at many different layers in the stack
- Suggest to specify: start counting on specified layer, ignore encapsulation from lower layers
  - "TCP/80" → count from layer 4: count bytes from TCP header and payload, but not IP or L2 encap
  - "IPv6" → count from IP header onwards, but not L2 encap

Other Issues

- **How to express filters?**
  - **-00 approach:**
    - List of enumerated values with "common" traffic classes
    - – OR – a string with arbitrary textual representation of traffic class
  - **… but that would be too simple ;-)**
    - List suggestions to use NAS-Filter-Rule and QoSFilterRule
    - Two different definitions → bad
    - Alternative: Use RFC5777 syntax?

Next steps...

- **Shall we take a next step?**
  - This seemed very urgent in the last meeting
  - So I wrote this up on the trip back from meeting
  - After some initial discussions, stalled. So:
- **Is this really still of interest?**
- **If so, need to agree on**
  - How to count beans?
  - How to express filters?