

# Problem Statement: IP Address Configuration for IPDVB

`draft-stiernerling-ipdvp-config-02.txt`

M. Stiernerling (Ed.), G. Gardikis, H. Asgari, D.  
Negru, T. Ahmed

EU IST ENTHRONE Project  
stiernerling@netlab.nec.de

IPDVB Working Group, 64th IETF meeting

# Draft History

- Idea first presented at IETF 61 in Washington
  - ◆ Called “XML for Receiver AR Configuration”
- Drafts presented until now
  - ◆ Showing the problem space
  - ◆ Sketching possible deployment scenarios
  - ◆ Sketching possible parameters to be configured

# Draft Status (-02)

- Formed a team out of EU IST ENTHRONE project
- Restructured document
- Added a requirements section
- Draft seems quite stable
- Needs feedback from the WG
- Time to discuss further directions
  
- Diff between -01 & -02 available
  - ◆ <http://www.stiemerling.org/ietf/ipdvb/draft-stiemerling-ipdvb-config-02-diff-01.html>

# Open Issues (1)

- What are the configuration scenarios?
  - ♦ List may be complete.
- What exactly should be configured?
- How to configure?
- Who is in control of the receiver?
- Is it right to assume that the network provider and DVB network operator are the same entity?
  - ♦ Preliminary answer: No, must be considered as different entities
- What is the right scale of hosts per subnetwork?
  - ♦ Recent discussions about  $1 \cdot 10^5$  has raised concerns
  - ♦ It's broadcast only.

# Open Issues (2)

- 2 basic use cases
  - ◆ Limited number of nodes with **full bootstrap**
  - ◆ Large number of nodes with **additional configuration** needed
    - IP already configured
    - Additional configuration information (e.g. multicast groups)
- Related question: Does IPv6 ND scale with 1000 nodes per subnetwork?
- Final conclusion out of the document is missing yet.

Thank you!

*Question?*