

# **Autonomic Addressing**

**draft-behringer-anima-autonomic-addressing-02.txt**

**94<sup>rd</sup> IETF, 2 Nov 2015**

**Michael Behringer**

# Addressing – Various points

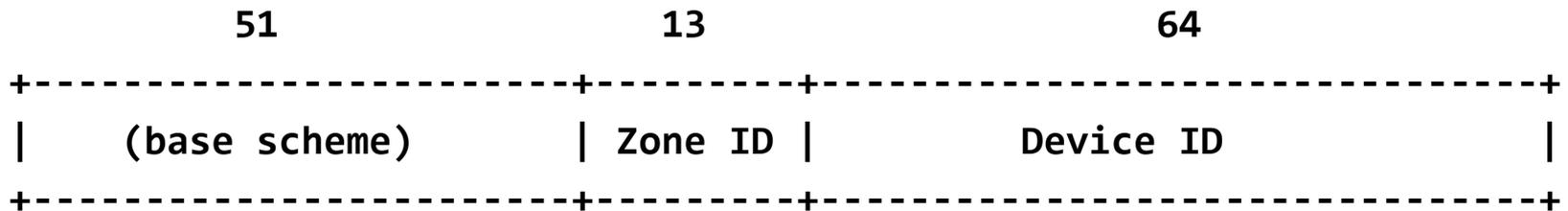
- **Fundamental idea: “self-management”**
- **An Autonomic Node gets an address.**
  - **ASAs do NOT get addresses.**
  - **Autonomic nodes multiplex ASAs.**
- **Non-autonomic nodes do not get autonomic address**



# Addressing – Sub-Scheme 1

• Needs discussion

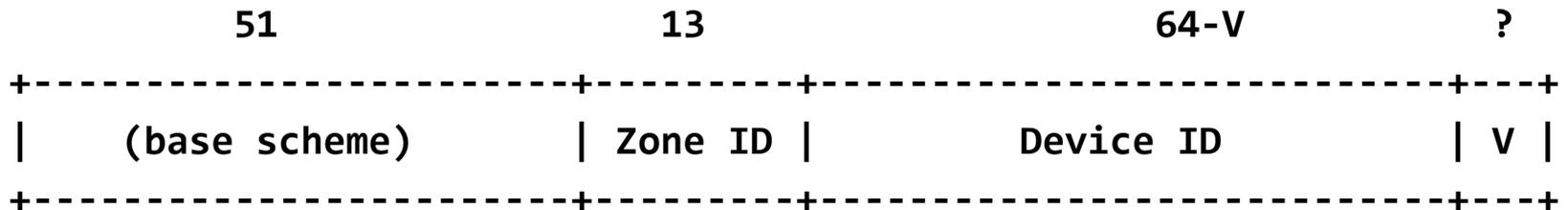
- **Sub-Scheme 1:**



- **Registrar assigns device ID**
  - It is unique for a device in a domain
  - It does NOT specify a locator, but an identifier
  - Device ID does not change in the lifetime of a device
- **Zone-ID initially zero.**
  - When aggregation is required, use a zone-ID  $\langle \rangle 0$

# Addressing – Sub-Scheme 2

- **Sub-Scheme 2:**



- **Add “Virtualisation” bits at the end**
  - Allow addressing various virtual machines on a single node
- **Keep routing simpler:**
  - Node announces not a /128, but for example /127

• Needs discussion

# Summary

- **Need discussion, feedback**
- **Can we agree on the base scheme?**
- **Do we want one or more sub-schemes initially?**
  - Starting point: one for now
- **Other sub-schemes?**
  
- **This is really part of the ACP**
- **Handled separately for now**
- **Should this become a working group draft?**