

# Terminology Definition Discussions

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# Why Need This

- We define problems
- We develop solutions
- We discuss and compare different solutions
- We need a common set of terminology for all the above
- What presented below meant to be input to discussion
  - Perhaps more questions than answers
  - Clearly articulated questions = progress!

# Why We Facing Naming Problems

- We designed modularity by layers (define modularity)
- We did not enforce layering concept in identifier use (lost modularity)
  - e.g. TCP's borrowed use of IP address is problematic now
- Continued evolution of deployed system
  - the original definition/intention changed
    - E.g. NAT distorted IP address semantics
  - New demands pop up

# To Move Forward

- What must we agree on? and
- What do we not need to agree on to move forward?
  - So that we can let hundreds of flowers bloom now, and make informed decisions later

# How many different things

## That are needed in the context of routing scalability?

1. IP prefixes that are in the DFZ routing table
2. IP prefixes that are not in the DFZ
  - Example: this thing that LISP called “EID”, but really not an end point identifier
3. “endpoint” identifier
  - Outside the routing system (local or global)
  - Debates going on whether calling it “Stack ID”
4. At least one additional identifier needs to be defined
  - Either identical to #3 or closer to application than #3

# The Layer Violation of Identifier Usage

- Should/not this be fixed now? If yes, How?
  - Flexibility/convenience is desired/should be allowed
  - But how can we both allow flexibility and avoid future trouble down the road?