

Identity and Identifier

Why the distinction
and
What is the Benefit

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Define Identity for IDEAS

- IETF Endpoint Identity is unique to the Entity
 - Here an Entity is limited to a machine, not an organic entity
 - Allow for 'Ephemeral (anonymous) Identity' for privacy use
- To be shared and understood, needs to be expressed in some language
 - e.g. FQDN, X.500, and NAI

Define Identifier for IDEAS

- IETF Endpoint Identifier is a valid, but typically, non-routable IPv6 (or IPv4?) address
 - It could be a portion of a routable address
 - It may be statistically unique
 - Must be managed within a Domain of Use
- Restriction of EID to IP addresses is to be transparent to applications and management of the Loc/EID mapping
- There may be 'short hands' for Identifiers within specific applications
 - e.g. HIP SPIs