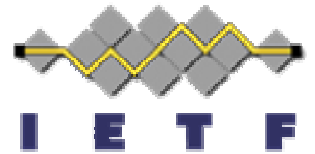
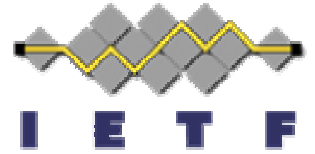


# Local Scope Address Requirements

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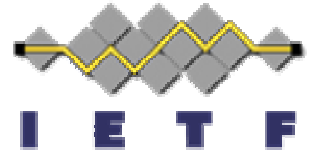


# Local Scope

- Scoping is a filtering function and will exist no matter what prefix is used
- Filter boundaries are an operational decision and not appropriate for rigid definition

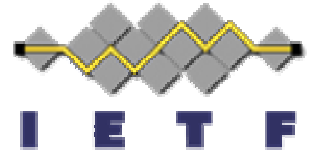
# Requirements

- Simple - no registration or approval required
  - Consumer simplicity - local scope prefix embedded in appliances reduces default exposure profile
- Stable addresses - local application persistence across connectivity events
- Private - well-known filter that reduces the exposure profile from individual configuration errors



# Multiple addressing

- Concurrent routing of local and global scope allows end systems or applications that should stay local to do so, while those that need global access have that available without nat



# Examples

- Printers, file mounts, light switches, ... that should not be globally exposed by default
- Intermittently connected networks that acquire a different prefix each connection
  - Ships or planes that connect via different service providers while in transit or docked
- Banks & other private interconnects

