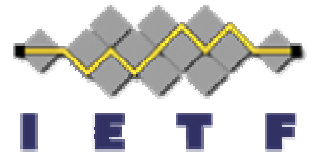


Local Scope Address Requirements

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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

