Reserving a TLD for local DNS resolution

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A TLD for DNS Resolution Without a Delegated Domain

• The homenet and dnssd WGs have discussed DNS resolution in a deployment with no delegated domain

• While no formal conclusions have been reached, it seems quite likely some designated TLD will be useful

• ICANN is in the process of creating new gTLDs
  – Should we work with ICANN now to designate one or more TLD(s) for local DNS resolution?
  – If “yes”, what TLD(s) should we choose?
Intended Use

• .newname is used as TLD for FQDNs assigned to devices in the realm with no delegated domain
Requirements

• Not “burned in” (like “local”); additional TLDs could be designated in the future
• Human-friendly
• Not used or otherwise in conflict with other specifications and deployments
• Acceptable to ICANN
• “unique-local” domains
• Considerations regarding existing use of TLD; e.g. “home”
• Be able to answer questions in section 5 of RFC 6761
Candidate TLDs?
Anything else?