Updates on NRS documents

IETF106 ICN RG meeting in Singapore

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Contents

• Two documents on NRS

• Design Guidelines for Name Resolution Service in ICN
  • draft-irtf-icnrg-nrs-requirements-03
  • Title changed from “Requirements” to “Design Guidelines” last revision

• Architectural Considerations of ICN using Name Resolution Service
  • draft-irtf-icnrg-nrsarch-considerations-03
Status

• In RG Last call
  • Requested RG Last calls at IETF 105

• Design Guidelines for Name Resolution Service in ICN
  • The technical comments may require a second last call

• Architectural Considerations of ICN using Name Resolution Service
  • Some technical and editorial comments can be resolved without requiring a second last call
Documents scope

• Design Guidelines for Name Resolution Service in ICN
  • Focuses on NRS itself as a service or a system in ICN
  • Provides NRS overview/functionalities/design guidelines/security considerations

• Architectural Considerations of ICN using Name Resolution Service
  • Focuses on things related to ICN architecture
  • Describes how ICN architectures may change and what implications are introduced within the ICN routing system when NRS is integrated into ICN

• Added in the introduction a cross-explanation of two documents
Design Guidelines for NRS in ICN (1/2)

• Dave’s comments were all reflected
  • “content discovery” → “content request routing”
    • Two parts missed → will fix them in the next revision

• Marc’s comment
  • It would be good to clarify “discovery” term in the document
    • This document considers both Name discovery and Content discovery via NRS
      • We tried to consider any type of NRS to show possible functionalities of NRS
      • Anyway, deleted “discovery”

• Dirk Trossen’s comment
  • It might be worthwhile to include some reference to this ongoing 3GPP work
  • Added a reference from ongoing 3GPP work
Design Guidelines for NRS in ICN (2/2)

• Vera’s comments were mostly reflected
• Pouyan’s comments
  • Some were reflected
  • Some were out of the document scope
Architectural Considerations of ICN using NRS

• Dave’s comments
  • Some were reflected
  • You assume NRS resolvers have caches
    • It is because NRS caches could be helpful for live streaming service
  • This is itself an architectural consideration
    • Yes, when cache is used, there are always issues on caching, which is not directly related to NRS issue
    • But we will fix some parts on NRS cache in the next revision