

Updates on NRS documents

IETF106 ICNRG 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