

Updates on NRS drafts

ICNRG in Montreal

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Requirements for NRS in ICN

- draft-jhong-icnrg-nrs-requirements-04
- This document discusses the motivation and requirements for NRS in ICN
- *Another use case, Manifest support, is added in section 4.4.6.*
 - NRS can be used to lookup a manifest name

CCNx Extension for NRS

- draft-hong-icnrg-ccnx-nrs-02
- This document presents the implementation of NRS based on CCNx/CICN
- It describes TLV-based CCNx messages for Name resolution and management
- Also describes CCNx forwarder modification for NRS messages
- *Some description has been added in details*

Architectural Considerations of ICN using NRS

- draft-hong-icnrg-icnnrs-01
- *Introductions has been updated*
 - NRS has been well discussed in ICNRG focused on the considerations and requirements of NRS itself
 - Few NRS systems has been introduced in ICNRG
 - We had Bloom filter based NRS for flat name and CCNx extension for NRS
 - However, it is necessary to discuss the ICN architectural issues to be considered when NRS system is implemented in ICN.
 - Thus, this document discusses ICN architectural considerations for NRS

Summary of NRS talk in Sunday meeting

- We have implemented NRS based on CCNx/CICN
 - draft-hong-icnrg-ccnx-nrs-02
- Our NRS Use cases
 - File transfer for proof of concept
 - Presented at Singapore meeting by a demo video
 - Replica service with video streaming
 - Producer mobility support with live streaming service
 - Showed a demo video in Sunday meeting

Thank you!