Design Considerations for Applying ICN to IoT

“draft-irtf-icnrg-icniot-01.txt”

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Draft Updates

• The draft was accepted as RG draft based on the call made on the mailing list

• Received feedback from Marie-Jose Monpetit and Alessandro, which we have tried to address.
  • We tried to address many comments over the email thread itself.
Draft Updates

• Misunderstanding on the usage of term “Unified Architecture” as imposing a common platform for all IoT services
  • Had some references to common set of protocol and services, we have reworded these statements. Meant network protocol and services.
  • Clarified the meaning of using the term unified architecture in the draft as – “is used to imply that, all the IoT applications, services and network components use a common set of APIs and network protocols to interact with each other”
  • This is in contrast with multiple silo based approaches, and with IP-IoT this unification is using service overlays.
  • With respect to ICN, Unified is with respect to a common ICN transport spanning constrained and infrastructure elements over which different ICN-IoT services can be realized
  • There was also loose usage of this term in ICN requirements section, that has been
Draft Updates

• Scope of the draft
  • Clarified the objective in abstract, that it is not to propose an architecture but identify design challenges of realizing IoT services over ICN

• Update to Smart Mobility scenario
  • Included another ICN’s advantage of supporting Ad hoc communications to support vehicular networks and seamless interaction with the infrastructure

• Editorial Corrections
  • Made several edits since the recent version, will wait for more comments before posting a new version.
Next Steps

• More comments ?