ICNRG Next steps discussion

Dallas March 2015

Sunday discussion proposals

- How do we deal with information specific metrics?
- Is there a new class of metrics that would help with routing protocols?
- Content discovery, Nearest replica routing
- Specification for experimentation. Baseline for forwarding architecture
- Need to rethink and recast apps that match better to ICN.
- More complex content/video dissemination scenarios

Earlier proposals

- Access control

- Routing

- Mobility

- Transactional data

- Object security

- Named Function Networking (NFN)

- Cache hit reporting

Mailing list suggestions

- Applications (Video streaming, Conferencing, IoT etc.)
- Protocol Wire Format
- IP backward compatibility -- what are the challenges for enabling edge based ICN deployments -- addressing scalability?
  - running ICN over IP
  - enable backward compatibility of IP-based user equipment and applications/services over an ICN-enabled operator network
- Integrating with DTN would be an interesting problem space.
- ICN operation in constrained devices

Next steps

- Continue discussion on mailing list
- We are contribution driven, so which topics that will progress depends on which contributions that come in
- Volunteers to drive specific issues
  - Keep discussion going on mailing list
  - Take on editorship for potential draft