DTN Meeting

IETF91, Honolulu

Co-chairs: Marc Blanchet & Brian Haberman

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NOTE WELL

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Agenda

- Administrativia
  - Scribes/jabber
  - Goals of this meeting
- DTN Bundle Protocol Use Cases, Fred Templin
- Topics in Bundle Protocol, Scott Burleigh
- DTN: Observations, Lessons Learned and Questions to Consider, Will Ivancic
- Discussion/Concensus building on the work items
- Next steps (co-chairs)

Administrativia

- Call for scribe(s)

- Jabber: xmpp:dtn@jabber.ietf.org
- mailto: dtn@ietf.org
- Chairs: dtn-chairs@tools.ietf.org

Charter (part 1)

The Delay/Disruption Tolerant Network Working Group (DTNWG) specifies mechanisms for data communications in the presence of long delays and/or intermittent connectivity. Delay-Tolerant Networking (DTN) protocols have been the subject of extensive research and development in the Delay-Tolerant Networking Research Group (DTNRG) of the Internet Research Task Force since 2002. The key documents are the DTN Architecture (RFC 4838), the Bundle Protocol (RFC 5050), Licklider Transmission Protocol (RFC 5326) and convergence layers (RFC 7122, 7242). Multiple independent implementations exist for these technologies and multiple deployments in space and terrestrial environments. There is an increase interest in the commercial world for these technologies, for similar and different use cases, such as unmanned air vehicles. In this context, there is a need to update the base specifications, i.e., RFC 5050, RFC 7122, RFC 7242, RFC 6257 and RFC 6260, based on the deployment and implementation experience as well as the new use cases. Moreover, there is also a need to have standards track documents for the market.

Charter (part 2)

Therefore, the purpose of this working group is to <u>update the base specifications</u> in light of implementation experience. The group shall do a <u>review of deployment problems and lessons learned, come to consensus on the issues to be addressed in the base protocol documents, and update the specifications accordingly</u>. The group shall not endeavour to change the underlying architecture or the bundle protocol principle.

Work items are:

- ***Agree to a list of use cases for evolving the DTN specifications and a list of work items to be worked on.***

- Create updates to RFC5050, convergence layer RFCs, and security (RFC6257), as standard track documents.

- Document a registry for DTN Service Identifiers.

Goals of this meeting

- building consensus on work items