DTN2 2.8 Release Planning

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Introduction

Release of DTN2 Version 2.8

- Number of contributions committed since release of version 2.7

  1. AX.25 Connected Mode CL and the SeqpacketConvergenceLayer abstraction.

  2. Misc LTP CL fixes

  3. BSP - file names and class names updated to reflect naming in BSP spec

  4. Some build fixes including hyper support in xdr and warnings addressed

  5. Fixes to address routing to ECLA managed links

Introduction

Release of DTN2 Version 2.8

- Release scheduled for Feb/Mar 2011.
- Mitre, NASA/GRC-RHN0, Trinity College Dublin, Elwyn Davies and Darren Long to provide change-sets for testing
- Folks have volunteered as coordinators to help if issues arise in testing etc..

- ...Anyone else have work to commit? if so mail change-sets to the dtn-user mail list (dtn-users@maillists.intel-research.net) before Feb.

Coordinators for testing

- Mitre - Keith Scott

- NASA/GRC-RHN0 - Joseph Ishac

- Elwyn Davies

- Darren Long

- Trinity College Dublin - Alex McMahon

Mitre - Keith Scott

3 items scheduled

- Multicast extensions

- Outputs from the NASA work

- Gossiping/anti-entropy DTN router

NASA/GRC-RHN0 - Joseph Ishac

4 items scheduled

- ipn: naming

- CBHE

- Hop Count Extension Block implemented (Is this DTN Scope Control using Hop Limits (SCHL) - draft-fall-dtnrg-schl-00 or something else?)

- SNMP support for the DTN MIB

Elwyn Davies

4 items scheduled

- Patches to address problems identified while writing the functional spec (documented within the functional spec)

- Add a few bug fixes (Python interface etc..)

- Manual improvements. Need to decide on the format for an HTML version (perhaps define a suitable CSS)

- Provide integrated version of the PRoPHET routing protocol stack - Ready for April ?

Darren Long

1 items scheduled

- AX.25 Connected Mode CL

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Number of changes and additions from the N4C project that should be pushed out before end of project in April.

- S10 Logging system

  From analysis of the logs from our 2009 N4C trial we hit on a number of cases where the 'info' logs didn't have enough information for us:

  1. Existing logs don't allow you to trace a bundle across multiple nodes since the bundle creation time isn't logged except in debug mode which is far too verbose.
  2. Much work involved to munge log file content into a form from which we could generate plots and do statistics.

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More ...

- Various LTP updates.
- Some dtnd-control script options added to query / control TCL interface
- IPC message and biggest in-memory bundle size increase.
  1. Increase of maximum IPC message size from 65536 to 1048576 (in bytes). Used primarily for efficiency in buffer allocation since the transport uses TCP.
  2. Increase biggest in-memory bundle is from 50K to 1 million bytes
  3. Would mean and IPC version change (from 7 to 8) which may not be desirable
- Middleware from N4C - not to be commited but available to anyone who is interested.