

Delay Tolerant Networking (DTN) in Space

x-works

DTN
COMMUNICATE BEYOND FRONTIERS

μPCN



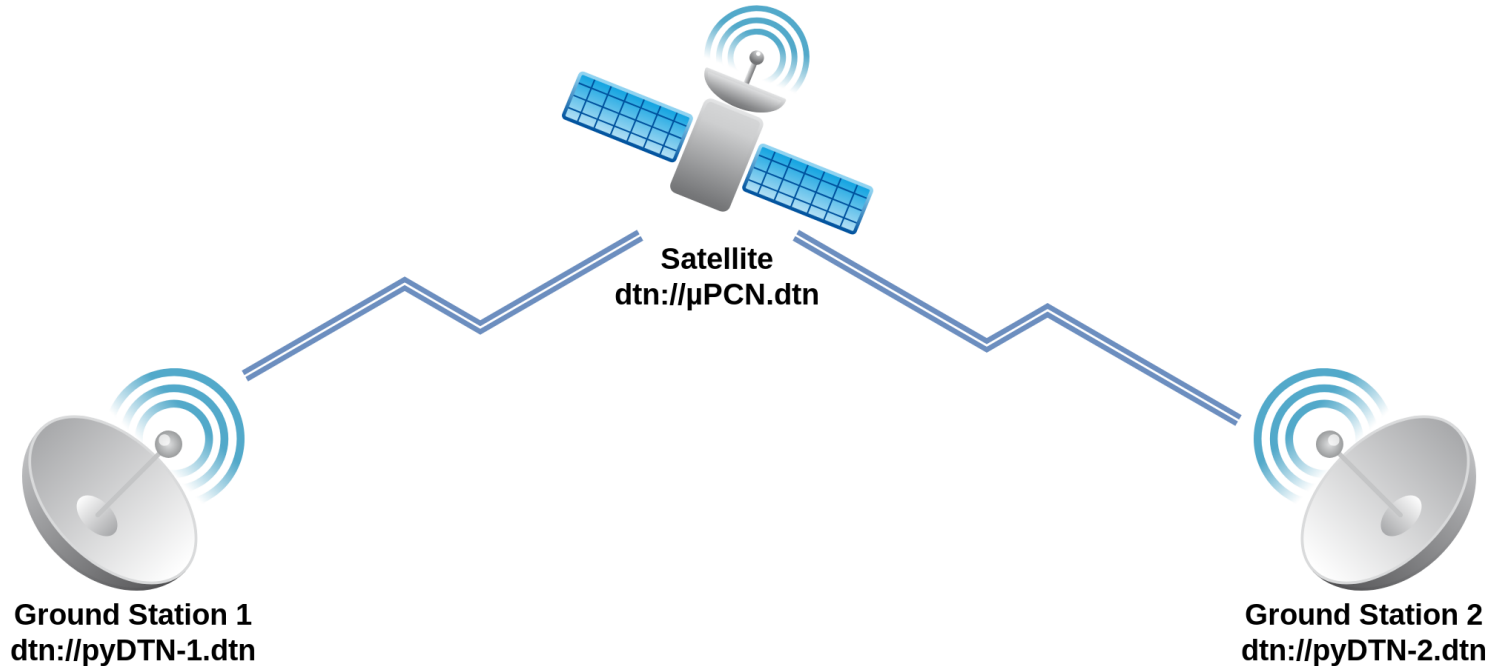
IETF 104

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Prague

Hackathon Plan

- Preparation for DTN real-space test, to be launched in 2020



Hackathon Plan

- [draft-ietf-dtn-bpbis-12](#) - Bundle Protocol Version 7 (BPv7)
- [RFC 7242](#) - DTN TCP Convergence-Layer Protocol
- [draft-irtf-dtnrg-ipnd-03](#) - DTN IP Neighbor Discovery (IPND)
- **Issue:** IPND draft is expired, but we need it for testing our approach
- **Solution:** Let's check it is still up-to-date and bring it back to life

What got done

- Improved pyDTN reference implementation: [19 issues fixed](#)
- Started pyDTN/uPCN discovery using IPND
- Gitlab: [pyDTN](#)

Feedback to DTN WG

- Let's bring IPND draft up-to-date (currently expired) and have it adopted by WG
- CBOR2 should be used consistently in both BPv7 and IPND
- [SDNV](#) is currently used by IPND for encoding/decoding numeric values

Wrap Up

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