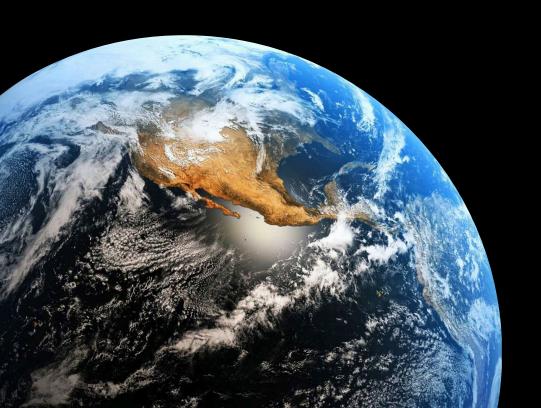




Enabling Ground Stations with multi-administration Delay and Disruption Tolerant (DTN) Network Overlays



Dr. Alberto Montilla
CEO
SPATIAM CORPORATION
a.montilla@spatiam.com

GSAW 2023

© 2023 by SPATIAM CORPORATION. Published by The Aerospace Corporation with permission.



DELAY AND DISRUPTION TOLERANT NETWORKING (DTN)



DTN NODE(S)



BENEFITS

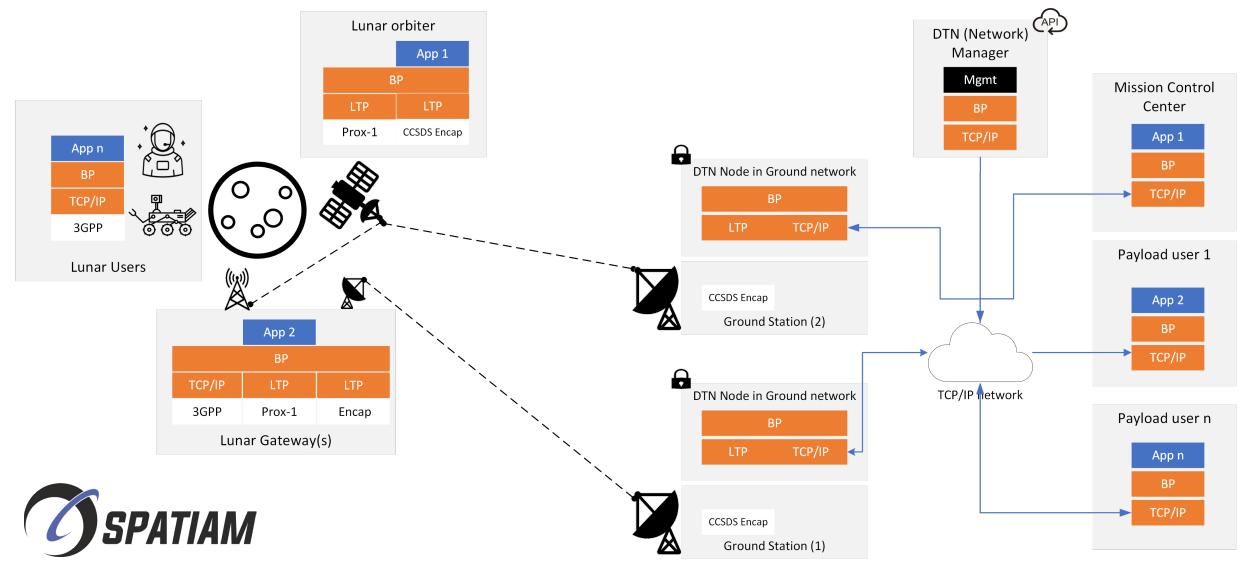
Schedule Data Transfer end to end Handle delay and disruption

USE CASES

Scheduled data transfer from ISS LunaNet



LUNAR DTN ARCHITECTURE WITH MULTI-ADMINISTRATION



SPATIAM DTN PLATFORM

Operationalizing DTN network overlays

Capabilities

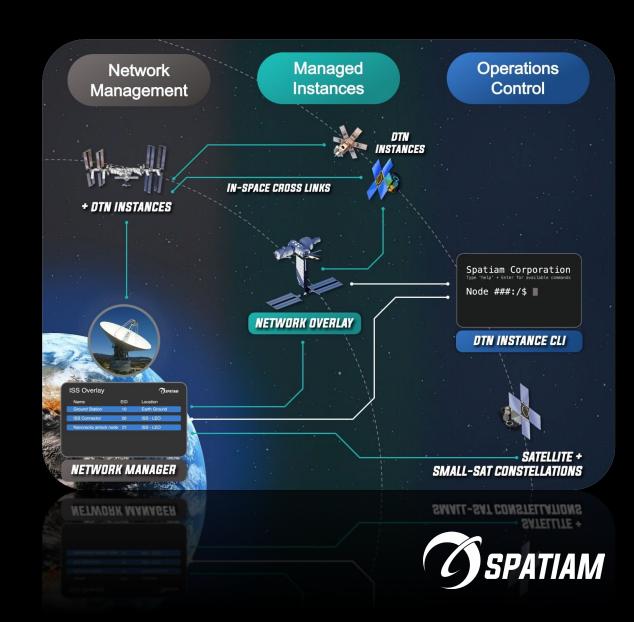
- Create and manage DTN Network overlays between agencies and commercial nodes.
- Deploy managed DTN instances in space and ground for data.
- Integrated with Mission Operations for contact plan scheduling.

Product portfolio

- DTN Manager [Prototype preview available]
- DTN Managed Instances [SW Prototype available]
- DTN Node CLI [Prototype available]



In use by the Interplanetary Networking Special Interest Group (IPNSIG) Pilot Projects Working Group multi-cloud DTN network.







CONTACT US:

a.montilla@spatiam.com vero@spatiam.com

https://www.spatiam.com

GSAW 2023