InterUSS Platform™

Open Source solution to facilitate communication amongst USSs

InterUSS

Platform

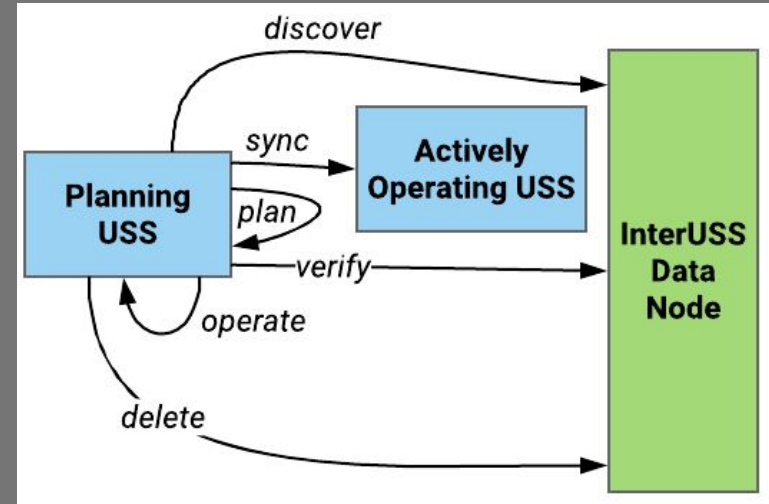https://groups.google.com/forum/#!forum/interuss-platform

InterUSS Platform Philosophy

Scalable, industry developed and hosted solution allowing USSs to share information while ensuring data consistency, minimizing data transfer, and protecting operator & consumer privacy. No operation details are stored on the platform.
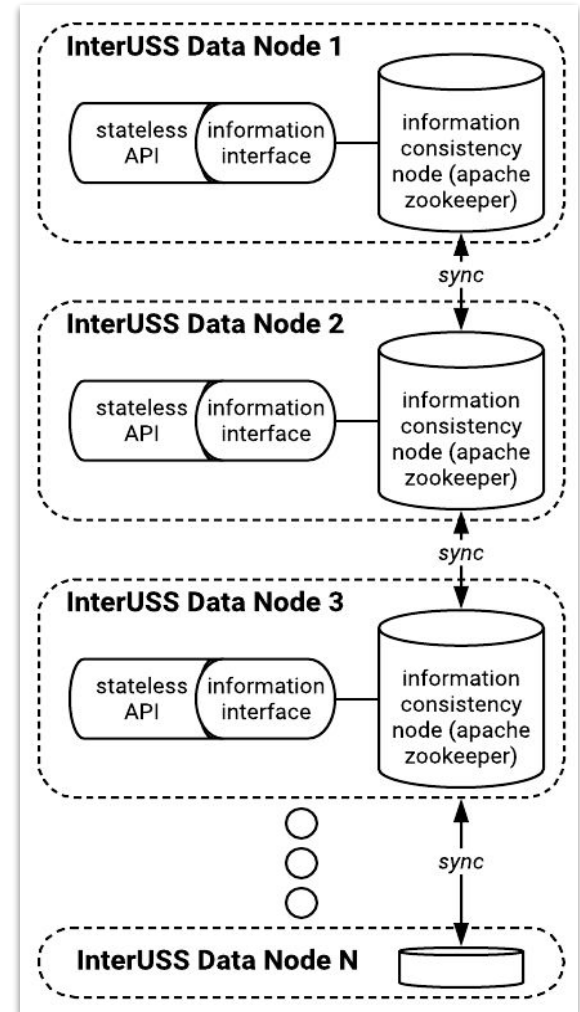
Technical solution based on Google heritage of globally distributed data, easy-to-use API, and assured consistency backbone.

Open source to allow USSs to develop new features as the drone industry evolves.

Platform Architecture

- **Gridded system**
  - The world space is separated into a well known grid format, minimizing contention and over-sharing, while allowing flexibility as the number of USSs and countries with UTM systems grows.

- **Distributed Consistency**
  - Multiple open source data consistency nodes hosted by USSs result in a scalable, distributed, auditable, and flexible way to prevent race conditions when multiple USSs are planning at the same time.

- **Pull based**
  - Flight information is acquired at the time of need, which protects operator and consumer privacy while sharing the right amount of information to safely deconflict and inform multiple USSs.

Questions?

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Interested in joining the Community?

https://groups.google.com/forum/#!forum/interuss-platform