



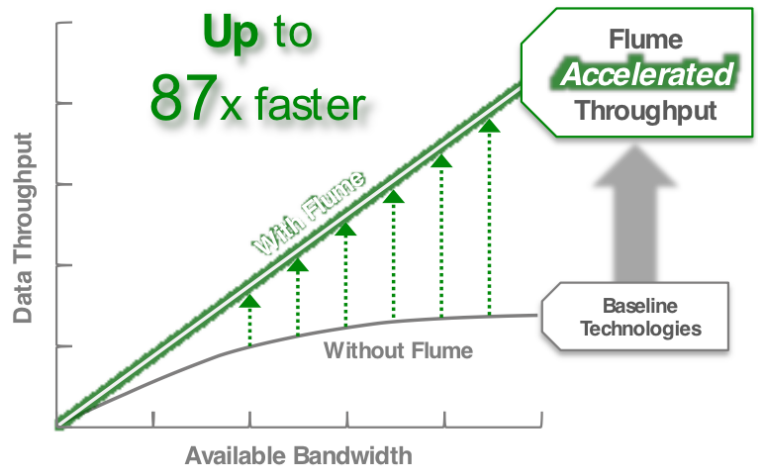
Need to move data securely and fast?

Flume

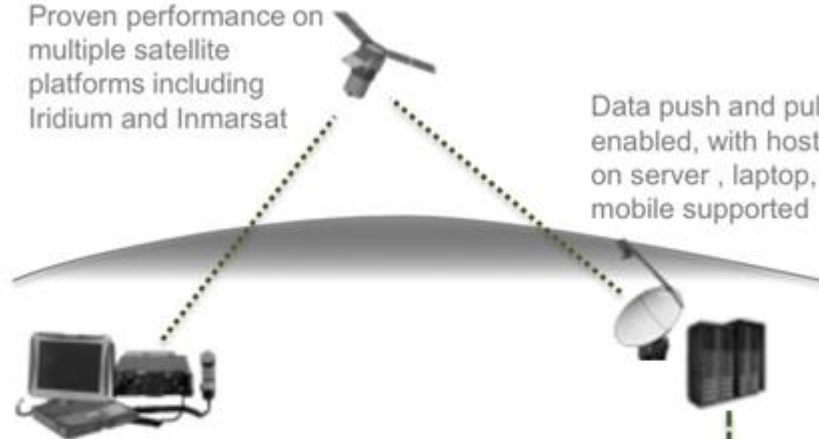
Flume is software defined data acceleration. Flume delivers data in disconnected, intermittent, and limited environments. Flume overcomes extreme latency, and data corruption and loss. Flume is proven at global and tactical scales to securely deliver bit-perfect data. Install Flume today and stop waiting for your data to arrive.

5 Features

- Data acceleration over existing networks
- Software-only, commodity hardware hosting
- Assured and secure bit-perfect delivery
- Adjusts to variable available bandwidth
- Configurable for any network infrastructure



Proven performance on multiple satellite platforms including Iridium and Inmarsat



Data push and pull enabled, with hosting on server, laptop, and mobile supported

Flume has been proven over 3G, 4G LTE and numerous military and commercial radio sets

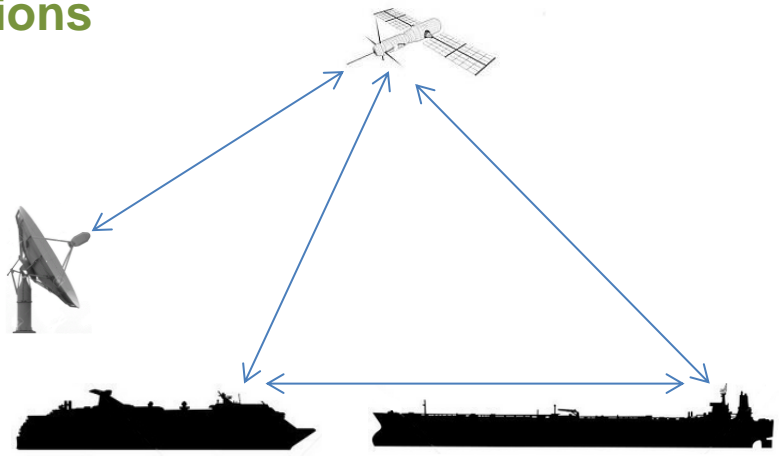
Over wired and wireless networks, Flume accelerates data extreme latency, corruption, and loss

5 Benefits

- Moves data when FTP, SCP, and other TCP/IP-based technologies fail
- Proven performance on terrestrial, airborne, and space borne networks
- Guaranteed data accuracy
- Able to move and synchronize data, minimizing bandwidth needs
- Deployable over remote connections – real-time responsiveness

Potential useful applications of Flume for Maritime operations include:

- Moving the most critical operational and logistical data to ships afloat, in port or in the most remote at sea locations
- Shore-to-ship / ship-to-shore data transport
- On-board moving data over 4G LTE to and between mobile platforms like Android



Move unprecedented data shore-to-ship, ship-to-shore, or ship-to-ship, regardless of location

Flume is:

- Flume is an internet communication protocol that eliminates the effects of latency on data communications
- Flume runs at the application layer and drastically increases internet data throughput while being completely compliant with network standards
- Flume delivers acceleration while efficiently sharing bandwidth with traditional communication traffic
- The Flume protocol is also currently wrapped in an rsync application that allows users to massively accelerate file and directory synchronizations

Flume delivers...

- Flume accelerates high latency TCP/IP transmissions by 5 to more than 80 times with 100% data accuracy
- Flume leverages existing internet protocols – enabling it to run on any line, leased or the public internet
- Flume is a 100% software solution, there is no new network hardware to purchase, no new tools to learn
- Flume is completely data agnostic • Flume can handle unlimited data volumes – no caching limitations



SDS is a small, veteran-owned business, founded by a group of data processing and semiconductor tool industry veterans. The Saratoga team has extensive experience in the development of data processing applications, design automation software and the integrated circuit design and manufacturing process.

Saratoga's founders were each challenged by massive data volumes proliferating faster than hardware and software facilities designed to process the data. Having worked together over the past several decades, the Saratoga team united to solve the data expansion problem first for the semiconductor industry and then to broaden their solutions to military, government, and other industries.