



# OVERSEER

## OVERHEAD SENSOR EXPLOITATION

Because of the nature of Government outsourced contracts, agencies needing processing solutions often are left with products they are unable to customize without spending considerable amounts of money every time a sensor-to-sensor modality requires a new customized data processing solution.

To resolve this issue, the Space Dynamics Laboratory (SDL) designed an open framework for resilient distributed data processing that can easily be customized by anyone using a software development kit (SDK). This flexible solution is ideal for high volume, high-bandwidth, near real-time tactical and strategic data processing.

### FEATURES

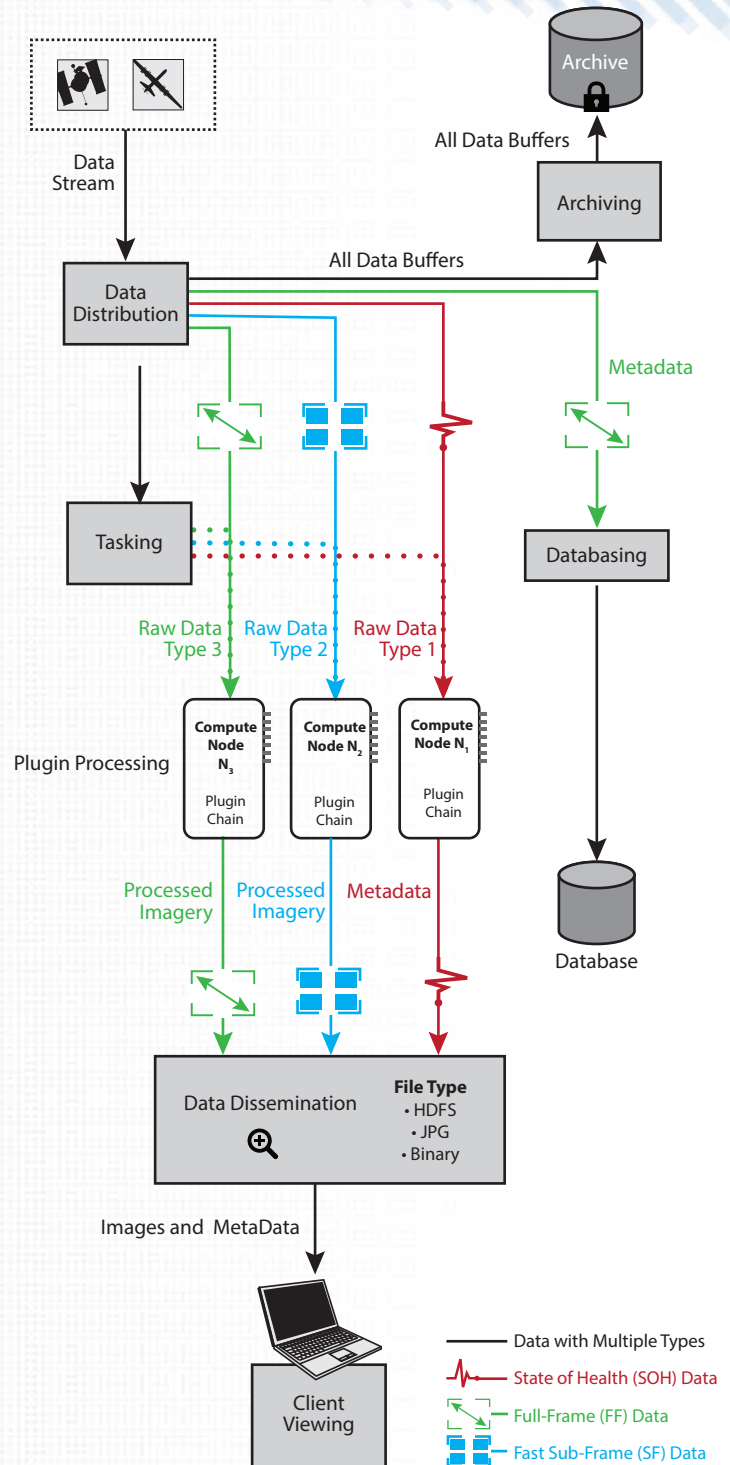
- Extensible plugin framework
- Horizontally scalable architecture enabling independent third party plugins for data processing
- Plugin chains can be distributed across processing nodes to run in real time
- Can store & database large volumes of data in a fault-tolerant database
- Open standards provide universal availability

### BENEFITS

- Saves time & money
- Provides Government-owned source code, free for Government use
- Enables the creation of plugins & plugin chains using SDK
- Enables interoperability with proprietary solutions
- Offers a provider & implementation agnostic solution
- Enables strong competitive solutions

### SPECIFICATIONS

- Hierarchical Data Format 5 (HDF5)
- Consultative Committee for Space Data Systems (CCSDS)



**Space Dynamics**  
LABORATORY  
Utah State University Research Foundation