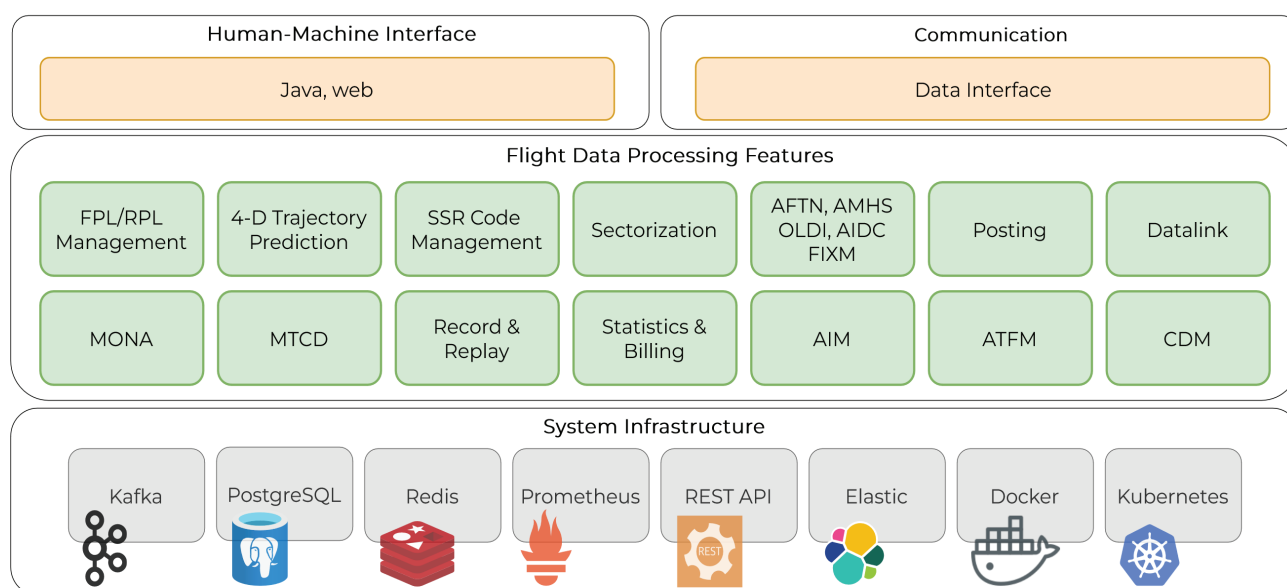


FLIGHT DATA PROCESSING SYSTEM ESUP-NG

ESUP-NG is a full-fledged new generation Flight Data Processing System based on leading-edge technologies, ensuring system adaptability and flexibility, and meeting the highest air traffic safety and security expectations.

ESUP-NG consists of the system infrastructure, FDPS features, HMI applications and interfaces for communication in a complex ATMS ecosystem.



KEY FLIGHT DATA PROCESSING FEATURES

- Enhanced 4-D trajectory prediction
- Unlimited sectorization processing including multi-sector planner
- Posting and processing flight data for all ATC units (ACC, APP, TWR) and specific roles (e. g. Air Traffic Controllers, Flight Data Operators)
- Processing data from a wide range of sources (AFTN, AMHS, OLDI, AIDC etc.) including Network Manager B2B data
- Support of Datalink communication including tools for performance evaluation
- Providing Medium-Term Conflict Detection and Monitoring Aids

KEY TECHNOLOGY FEATURES AND ADVANTAGES

- Open, distributed Kappa architecture ensuring high scalability and reliability
- Based on microservices providing system modularity and flexibility (no hard-coded limitations)
- The redundancy ensuring required operational safety
- Focus on system stability and high resiliency
- High performance with short response time and minimal delays
- Based on top shelf and proven technologies