

Enabling successful operations in tomorrow's EO missions

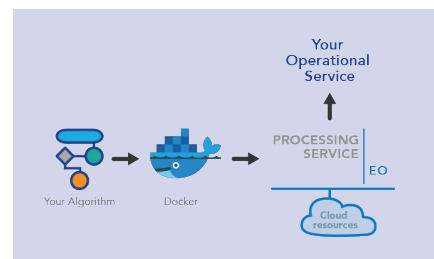


A wide range of Payload Data Ground Segment (PDGS), post-processing and dissemination service software is developed by Werum and in operational use for a number of current EO missions and services in the Copernicus and ESA programmes. The software is refactored and optimised successively to the operator needs and to required technologies of the next-generation processing environments.

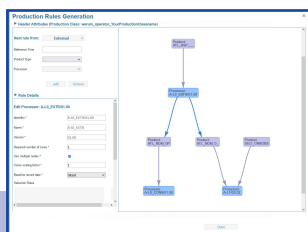
Independent framework for scalability and configurability

The independent framework for operations' services allows for scalability under increasing data load, configurability for new technologies and for demands in public-cloud applications and of mission-specific workflows:

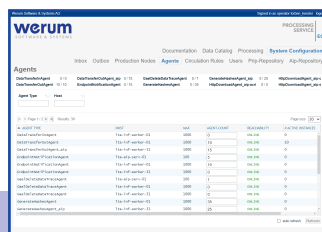
- Independent orchestration or Kubernetes cluster integration
- Coupling to monitoring tools for key performance indicators
- User access and identity management
- Integrated interfaces for data selection, usage and processing
- Container technology (Docker, Kubernetes)
- Secure and consistent archiving



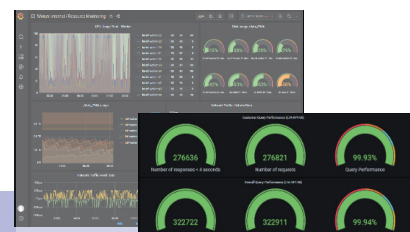
User interfaces to Werum's orchestration library



Workflow Builder



Resource Allocation



Performance Monitor

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Current use cases and references



- Long-Term Archive Service
- Copernicus Space Components Data Access (PRISM)



- Core Processing Facility
- Level-2 Testbed



- Core Processing Facility