

European Space Agency

Splunk | Case Study

About ESA

The European Space Agency is an international organisation developing the **European space programme** and executing it. ESA's programmes are designed to find out more about Earth and the Universe, as well as to develop satellite-based technologies and services.



Project description

The main purpose of the project was to develop a prototype of end to end monitoring solution for analyzing the earth observation's data processing efficiency.

Customer benefits

- facilitation of every day supervisory functions with **single control panel**
- improved **ability to determine** the root of potential mission problems
- **rapid** function configuration and start off.



Solution

Primary objective of the project team was to deliver a prototype of Splunk based web application for monitoring and reporting on Earth Observation instrument data.

Main characteristic of the solution delivered are advanced data analytics tools. Mission operators can filter through for anomalies in data processing according to available level of efficiency. This can be obtained by simple manipulation of time and quality thresholds. Basing on historical data, their trends and seasonality the solution also allows predicting occurrence of many events.

The prototype offers a series of benefits for operators, including quick and dynamic configuration.

„Creating the application prototype for the Earth monitoring mission was a real challenge. I am very happy to have reached the point where we can see its advantages.“

Grzegorz Sułkowski, VP, Linux Polska