Earth Observation Exploitation Platform Hackathon 2018

Hackathon

Kick-off
22. March 2018

Final Demo
3. May 2018
@ESOC, Darmstadt

http://bit.ly/eocloudhack

The Hackathon builds on results from the recently concluded Testbed-13 initiative and paves the way for Tested-14 and subsequent initiatives in the context of deployment and execution of applications in cloud environments. The goal is to demonstrate that the Testbed-13 results, described in the Engineering Reports OGC Testbed-13: Exploitation Platform Application Package, OGC Testbed-13: Application Deployment and Execution Service, and OGC Testbed-13: Cloud are fit for purpose. Given that these Engineering Reports state several options, this Hackathon shall identify the best solution and identify any missing elements as basis for Testbed-14 and future initiatives.

ESA has started in 2014 the Earth Observation Exploitation Platforms initiative that created an ecosystem of interconnected Thematic Exploitation Platforms (TEP) for Earth Observation data. Testbed-13 focused on two key aspects:

First, to allow TEP users to develop applications on the their local machines, then to upload these to the TEP in form of Docker containers with complementing metadadata to allow for automated deployment and execution. Second, the automated deployment and execution of these containerized applications with subsequent standards-based result access using cloud platforms.

The Hackathon shall verify the specifications provided in Testbed-13 Engineering Reports, shall develop recommendations where the Engineering Reports describe several options, and shall detect any missing elements or defects that need to be corrected in future initiatives.

For further information, please contact techdesk@opengeospatial.org