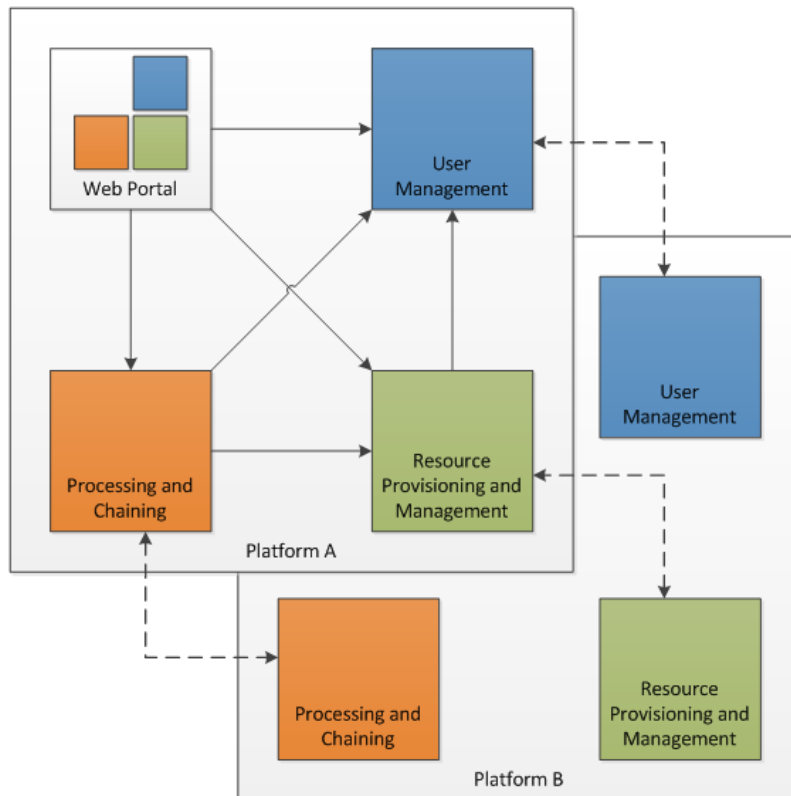


EOEPCA - EO Exploitation Platform Common Architecture

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About the EOEPCA - EO Exploitation Platform Common Architecture

The availability of free and open data, such as that provided by the Copernicus Sentinel fleet, together with the availability of affordable computing resources, create an opportunity for the wide adoption and use of Earth Observation (EO) data in all fields of our society. ESA's "EO Exploitation Platforms" initiative aims at facilitating adoption with the paradigm shift from "bring the data to the user" (i.e. user downloads data locally) to "bring the user to the data" (i.e. move user exploitation to hosted environments with collocated computing and storage). This leads to a platform-based ecosystem that provides infrastructure, data, compute and software as a service. The resulting Exploitation Platform is where scientific and value adding activities are conducted, to generate targeted outputs for end-users.

The goal of the "Common Architecture" is to define and agree the technical interfaces for the future exploitation of Earth Observation data in a distributed environment. The Common Architecture will thus provide the interfaces to facilitate the federation of different EO resources into a "Network of EO Resources". The "Common Architecture" will be defined using open interfaces that link the different resources (building blocks) so that a user can efficiently access and consume the disparate services of the "Network of EO Resources".

If you wish to contribute to the work, be part of the Community!

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