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User authentication, authorization, and identity management for services in structural biology

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The West-Life Virtual Research Environment provides services for computation and data management to researchers in structural biology. It builds on European e-Infrastructure solutions from EGI and EUDAT and links together web services and repositories for structural biology. The West-Life VRE continues to develop the community and services established in previous projects and activities. So far, some of the services use the authentication and authorization solution developed by the WeNMR project, which is based on standalone user registration, password, and links to X509 user certificates and EGI virtual organization memberships eventually. Other services use isolated solutions. Therefore revisions towards both convergence to a single solution and to use of emerging, more user friendly technology are desirable.

In our presentation we describe the revised architecture of AAI and identity management in the West-Life VRE and introduce the pilot implementation. The new model builds on common principles examined in other similar infrastructures, like ELIXIR, BBMRI and INSTRUCT. The viability of the new solution will be demonstrated on selected West-life services. The implemented solution utilizes well-established technologies and conforms the guidelines of AARC. The infrastructure developed provides an interoperable solution that is compatible with the foreseen Life-science AAI arrangements.

Topic Area

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