

THE TOPIC OF A COMPETITION PROMOTING STUDENT ENGAGEMENT IN SCIENTIFIC ACTIVITIES

Topic: Authentication and authorization protocols

Goal: Comparative analysis of authentication and authorization protocols and their applications

Short description: Study will examine the difference between authentication and authorization. The difference between authentication and authorization, as well as their main technologies such as OAuth, SAML, OpenID Connect and LDAP, and their applications. The comparison will be based on the use of the protocols and the resources required to operate them.

The work will analyze protocols for authentication and authorization processes and their implications for security. It will also look at the challenges of implementing different protocols in large organizations and make recommendations on the most appropriate choice according to the needs of the organization and the existing systems.

The results should provide insights into the effectiveness of authentication and authorization solutions in different environments. It will also suggest best practices and solutions that can help to ensure a smooth selection and further use of authentication and authorization protocols.

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