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University Identity and Access Management Infrastructure with Keycloak: Lessons Learned

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Our work presents the implemented identity and access management solution using Keycloak, at the Technical University of Cluj-Napoca, in an attempt for a centralized authentication mechanism. The high availability infrastructure used is also presented in depth. Integration with Microsoft Entra ID is showcased with an example of authorization denial to university services based on a custom Post Login Flow. Finally, the identity and access management solution is used for eduGAIN integration and compliance with the help of Simple-SAMLphp, as bridge.

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