

# A Case Study on Extending the Use of Cloud-Based Services within two Romanian Higher-Education Institutions

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The need for digitalization of education services is obvious, considering the natural and social challenges of humankind in recent years. To face these challenges, actions are needed to improve the efficiency (or automation) of education services. This is relevant given the important role of education in society. Through this article, a technical investigation is carried out on the need for digitalization in education, and on the opportunities and advantages that arise through it. A cloud-oriented middleware architecture is proposed regarding the digitalization of certain services in education, especially those related to e-secretariat (use of digital signature and streamlining of document flows), processing of students' information (providing support for learning and teaching) and voluntarily certifying content posted online (as a countermeasure against AI-based plagiarism and fake news propagation).

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