

Two examples how SPECS could simplify cloud application development for SMEs

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Abstract: There are no existing platforms which can in a simple way augment the security level of the cloud applications. We present two approaches how SPECS could improve the existing security services of the Koofr application (<http://koofr.net/>). Koofr offers a uniform interface to a hybrid storage pool. It takes care for storing, accessing, and sharing the data. As it supports private and public clouds, it is especially convenient for testing different SPECS interaction models. We present how SPECS can provide replication and DDoS mitigation services when Koofr is using a private cloud provider (SPECS co-located with cloud provider), and how SPECS can provide fast and reliable service for encrypting large files which are to be stored by Koofr on the public cloud.