Ensuring Privacy and Security in the Development of Microservice Applications

Description

The term microservice architecture represents the architectural style of interconnecting multiple small services with limited functionality to build up to a more complex application. This modularity enables more agile and distributed approaches to software development and deployment (e.g., DevOps, Continuous Integration, Continuous Deployment) While these approaches provide the rapid development and deployment, requirements like privacy and security need to be ensured.

After an introduction to the general topic and security guidelines for microservice-related aspects, the aim of the seminar paper is to elaborate on ways to ensure the application of security and privacy guidelines in agile development environments. Furthermore, it should propose ways to ensure security and privacy requirements and, if applicable proof of concept implementations.

The provided references are to be considered a starting point and it is expected to extend the literature.

References


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