

## SPECS: Secure provisioning of Cloud Services based on SLA management

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Abstract: The Cloud offers attractive options to migrate corporate applications without the corporate security manager needing to manage or secure any physical resources. While this “ease” is appealing, several security issues arise (data confidentiality and privacy, monitor of services and respect of security features, compliance with national laws, ...) and no comprehensive or usable solutions exist for these issues. Furthermore, no solutions are available to negotiate with a Cloud provider security features and, up-to-date, this represents one of the main limit in the adoption of Cloud.

SPECS project aims at solving this kind of problems, by offering mechanisms to specify security requirements and assess the security features offered by Cloud Service Providers. The SPECS Platform will be developed as an open-source Platform-as-a-Service (PaaS) and will be able to enforce desired corporate security features (eg. credential and access management) into Cloud services by proposing a systematic approach to negotiate, monitor and enforce the security parameters that will be specified in Service Level Agreements (SLA).