# Fraunhofer

## SIT

**FRAUNHOFER INSTITUTE FOR SECURE INFORMATION TECHNOLOGY**

# VERIMETRIX
## MEASURABLE DATA PROTECTION FOR CLOUD APPLICATIONS

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Cloud Computing offers scalability, flexibility, and in turn the ability to reduce costs. In spite of these economic and practical advantages, many companies and government agencies are hesitant to use the cloud. The cause is insecurity as to whether sensitive data can be sufficiently protected by a cloud service provider. Therefore, the project Verimetrix wants to make data protection in the cloud measurable.

The trend towards cloud computing is developing constantly. However, the technology has barely been used in the mid-sized and public sectors. Hospitals, banks and schools, which work with especially sensitive data, are concerned a cloud provider cannot secure and protect these data adequately. In the framework of the VeriMetrix project, Fraunhofer SIT wants to make data protection in the cloud measurable and thereby comparable. Potential cloud users should be able to check if the cloud provider guaranties sufficient data protection and security. VeriMetrix looks at cloud applications' entire lifecycle: Gathering and formulating the data protection requirements, selecting an appropriate cloud provider using verifiable criteria, checking whether data protection requirements are met during operation, as well as deleting the data after it has been used.

In the framework of the VeriMetrix project, Fraunhofer SIT determines general data protection requirements using the Federal Data Protection Act as well as sectoral data protection requirements for hospitals, banks and schools. The requirements determined are detailed in a figure catalogue to make them measurable and comparable. Further, how special figures can be measured and evaluated technically is determined and tested. A part of this project is also ensuring that data is gathered and examined in a way that conforms with data protection.

## Project Partner

The VeriMetrix consortium is composed of application partners avocado rechtsanwälte and careon GmbH, the cloud technology partner Colt Technologie Service GmbH, and the research partners the University of Munster and Fraunhofer Institute for Secure Information Technology. VeriMetrix began on March 1st 2014 and will run for two years.

## Support

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