Student Thesis / Student Assistant Job

Area: Big Data / Security

Topic: **Seamless Identity Management in a Big Data Life Cycle**

Situation: The nation-wide Big Data competence center ScaDS Dresden/Leipzig (http://www.scads.de), funded by BMBF and led by ZIH, addresses important challenges in the area of creating, managing, processing, visualizing and archiving large data sets in a wide array of use cases. One is VAVID (http://www.vavid.de), which will significantly improve the comparative analysis of engineering relevant measurement and simulation data.

This work shall extend VAVID by integrating an advanced identity management system to enable easy yet secure access to the complex infrastructure.

Range of Tasks:

- Analysis of identity management requirements
- Analysis of existing tools and concepts
- Design of an integrated identity management concept with a low overhead for Big Data use cases
- Prototypical implementation
- Validation and evaluation of the prototype

Requirements: Ability to understand complex systems

Java Programming

Language: German or English

Time Frame: As of now

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