Job posting

Type of position

- ☑️ scientific
- ☑️ administrative

Target group

- ☑️ graduates
- ☑️ post docs
- ☐ other

Title

Computer Scientist (m/f/d)
for Identity and Access Management Development

Institution

The Max Planck Computing and Data Facility (MPCDF) is a competence centre of the Max Planck Society. It is engaged in the development and optimization of algorithms and applications for high performance computing as well as in the design and implementation of solutions for data-intensive projects in close collaboration with scientists of the Max Planck Institutes. The MPCDF operates Max Planck supercomputers, computing systems and data repositories for various Max Planck institutes, and maintains an up-to-date infrastructure for data management including long-term archival as one of the largest such academic sites within Europe.

Position

The computer and data infrastructure at the MPCDF – consisting of HPC systems, clusters, cloud, and dataservices – requires a complex identity and authorization management system for the several thousands of users at the MPCDF. We are looking for a qualified candidate to join our AAI team and become an Identity and Access Management (IAM) expert (m/f/d). The chosen candidate will grow into a leading role in the further development, implementation and operation of the IAM systems for the MPCDF and their integration with other Max Planck Institutes and beyond.

Responsibilities

The area of responsibility includes:

- Modernization and further development of the existing identity and authorization management system (Shibboleth IdP, LDAP environment)
- Development of the various IdM components including the development and implementation of a security concept as well as high availability and reliability planning
- Implementation and provisioning of suitable administration and user interfaces
- Administration and operation of the Identity and Authorization management systems
- Supporting the development of the existing web-based self-service platform
- Consolidation and migration of existing python scripts for DB-to-LDAP synchronization to a new python framework and further development

Requirements

The applicant should have a Master degree in Computer Science or Physics, Applied Mathematics, or an equivalent qualification, with a strong and clear experience in IT. Skills and experience in several of the following areas would be ideal, but your motivation to learn is just as important:

- Good knowledge of Linux administration including the use of DevOps tools such as Ansible
• Experience with modern Identity Management technologies (SAML, Shibboleth, LDAP, OAuth, OpenID, Kerberos)
• Knowledge of database management and programming (MySQL)
• Programming and scripting experience (e.g. Python, Bash, ideally PHP)
• Experience with git as well as code versioning and review workflows
• Creativity for problem solving under changing conditions, as well as accuracy and attention to details

Application procedure (deadline etc.)
The full-time position starts as soon as possible and is initially limited for a period of two years, with the possibility of extending this to a permanent position. Part-time agreements are possible. Salary will be based on experience according to the German TVöD.

Please apply with a letter of motivation and a CV online until March 31, 2022 under https://recruitingapp-5257.de.umantis.com/Vacancies/475/Application/CheckLogin/2?lang=eng.

Contact
Please find more information about the MPCDF at https://www.mpcdf.mpg.de/career.

For further questions, please contact Andreas Schott (Andreas.Schott@mpcdf.mpg.de).

Please apply with a letter of motivation and a CV online until March 31, 2022 under https://recruitingapp-5257.de.umantis.com/Vacancies/475/Application/CheckLogin/2?lang=eng.