



The High Performance und Cloud Computing Group at the IT Center (ZDV) of the Eberhard Karls Universität Tübingen seeks to fill one project positions at the earliest possible date for

Scientific Staff (Wissenschaftliche Mitarbeiter (m/w/d; bis zu E 13 TV-L, 100%))

ZDV-09-24

The University of Tübingen is a central partner of the German Network for Bioinformatics Infrastructure (de.NBI) and provides a cloud infrastructure for computation, along with the Universities of Bielefeld, Freiburg, Gießen, Heidelberg, the DKFZ, Charité - BIH and the Research Centre Jülich (<https://cloud.denbi.de/>). The position focuses on cloud operations and development, collaboration with other cloud sites, and cloud user support.



As part of the de.NBI Cloud team you will be working on:

- Conception, procurement and operation of the hardware infrastructure
- Integration and operation of heterogenous storage resources
- Integration and operation of federated compute resources
- Integration and operation of network components
- Authentication and authorization
- Support of de.NBI Cloud users
- Handling of sensible research data
- Close collaboration with the project partners and the scientific community
- Active support for the broad user community for bioinformatical and technical questions

We expect from you:

- A scientific higher education degree (master, diploma or comparable) in bioinformatics, computer science or a related field
- Experience with an OpenStack-based cloud environment as user and/or administrator

The following competences are considered to be beneficial:

- Python expertise
- DevOps experiences with tools like Ansible, Terraform, Git, Kickstart
- Knowledge about network topologies and concepts like VLAN separation or Software-defined Networking



- Experience with software defined storage systems like Ceph or Quobyte
- Experience with Kubernetes or other container orchestration
- Experience with information security management systems, ideally including certification processes (ISO 27001)
- Experience with Monitoring tools like Prometheus, Grafana or Zabbix
- Team oriented but self-reliant working habits
- Professional interaction with heterogenous user groups
- High motivation, flexibility and team spirit
- Highly proficient in both spoken and written English
- Experience with multidisciplinary scientific working habits

We offer:

- A thorough initial training phase and continuous further training
- A stimulating working environment including space for personal initiative
- Work within a likeable and congenial team
- The opportunity to gain experience in all areas of cloud operation
- Flat hierarchies and the encouragement of own ideas
- Flexible working hours
- Job ticket
- University sport program

The position is initially limited until 31.12.2027. The university seeks to raise the number of women in research and teaching and therefore urges qualified women academics to apply for these positions. Equally qualified applicants with disabilities will be given preference. The employment will be carried out by the central administration of the University of Tübingen.

Have we caught your interest? Please send your application including cover letter, CV, resume and a copy of the certificate of your highest professional qualification, refereeing to reference number ZDV-09-24 until July 14th, 2024 to the director of the ZDV, Prof. Dr. Thomas Walter, 72074 Tübingen, Wächterstraße 76 or in electronic form to sekretariat@zdv.uni-tuebingen.de.

Dr. Jens Krüger (jens.krueger@uni-tuebingen.de; 07071 29-70371) is happy to answer your questions specifically related to the de.NBI Cloud Tübingen.