Job opportunity
Engineer R & D

Digital technologies are generating new services, they deeply change our lifestyles and improve our daily life. In France, Inria is the only public research institute entirely dedicated to digital sciences. 400 R & D engineers assist the scientists in their daily work, they develop software tools to facilitate the research and set up technology platforms for experimentation.

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Research team

Grid'5000 is a research infrastructure for the study of distributed systems and clouds. It is composed of around 1000 servers hosted in 11 sites, interconnected by a 10Gb/s network that can be isolated from Internet for experiments.Grid'5000 empowers academic research teams, sometimes in collaboration with industrial partners, to configure a network with specific characteristics and to deploy on some or all of the nodes a specific software stack for the duration of an experiment. https://www.grid5000.fr

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Assignement

The engineer will work in Grid'5000' support team. This team is in charge of developing, and pushing to production tools and processes to correctly administer the 11 Grid'5000 sites. The work is currently based for most services and servers on the use of puppet for configuration management, capistrano for deployment and on git to track changes. The team also generates reference OS images for the user community that need maintained and updated and maintains tools and processes to ensure good tracability as Grid'5000 is used to support scientific experiments.

Keywords Systems administration, network administration, configuration management, puppet

Qualification & experiences

Ingénieur Jeune Diplômé : To be an engineering graduate or having equivalent qualification - To have obtained diploma in 2012 or 2013

Skills & qualities

A good understanding of the concepts and techniques of systems administration and of network architectures ; good Linux knowledge and practise (administration, installation, maintenance,kernel compilation) and of scripting languages ; programming languages: mainly bash, perl, ruby (puppet) ; a first experience with cluster administration would be appreciated ; a first experience with administering networking equipment (switches or routers) would also be appreciated ; basic French knowledge, and fluent technical English.

Duration: 24 months

Location: Nancy

Targeted hiring date: 01/10/14

Salary: 2530 € gross not negotiable

This offer is available from 25/04/14 to 30/06/14

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For your information, security and defense procedure

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