



Cloud Test Engineer

Code	IT1926
Programme	FCT
Department	IT
Responsible	81414 - Mr. Joao Carlos Correia Fernandes
Title	
Cloud Test Engineer	
Description	
<p>Join the CERN IT Department to be part of the Helix Nebula Science Cloud project team to test hybrid cloud services that will support the computing needs of the LHC experiments.</p> <p>The Helix Nebula project has contracted external consortia to provide cloud services:http://www.hnscicloud.eu/</p> <p>The contracted consortia will complete their prototypes during the Prototype Phase of the project:</p> <p>http://www.hnscicloud.eu/hnscicloud-tender-winning-bidders-of-the-prototypephase#overlay-context=</p> <p>Starting in 2018, the 2 best prototypes will be deployed as pilots and the large scale testing will begin. This will involve the deployment of data intensive scientific application software and associated data sets to test aspects such as performance, security, portability and scalability of commercially supported Infrastructure as a Service (IaaS) cloud services.</p> <p>The test results will contribute to the decision about which of the pilots are taken forward into large scale uptake and commercialisation of cloud services.</p> <p>The applicant will be developing and deploying tests, generate test cases based on the established project requirements and application software to deploy, create test data required for testing, set up required cloud test beds (hardware, software and network), documenting test plans and procedures, effectively conduct test evaluation and provide documented analysis of the results.</p>	
Skills	
<p>Information Technologies: Developing distributed computing systems (e.g. clusters, batch systems), Developing with virtualised infrastructure (e.g. Openstack), System administration (e.g. with GNU/Linux, Microsoft Windows, Networks), Using software development tools (e.g. Git, Jira, Trac). Programming Languages: Python, Shell Script</p> <p>Experience with testing applications and methodology in cloud environments will be an advantage.</p>	
Disciplines	
Information Technologies	

