Trainee's Project Report

Job Code	IT3422
Department	IT
Discipline	Computing
Supervisor	SALTER Wayne

Description

CERN is running a large computing facility that constitutes a central part of the Worldwide LHC Computing Grid or wLCG, which has been setup to meet the needs of the LHC experiments. The Computing Facility Group in CERN's Information Technology department is responsible for the tools used for the monitoring of both the large compute farm at CERN (currently consisting of over 9000 multi-core processor PC servers) and the managed storage system with a 100 PB (PetaBytes) disk servers, 100 PB tape robots and over 150 high performance tape drives. The monitoring system for this large collection of IT equipment is currently being replaced by a new system based on open source software. As a trainee, you will be working with the team directly responsible for the development of this new monitoring system and would have the opportunity to participate in the day-to-day management of an advanced and highly complex computing environment.

Special Requirements

Basic knowledge of Unix System Administration (Linux or other). Experience in Python programming, Messaging, NoSQL and Django technologies, C/C++ and PHP would be advantageous.

Training Value

Hands-on experience in one of the most advanced computing environments, work in an international environment.