



Sample Project: Host Status History Tool

Code	PH1450
Programme	TRAIN-PTES
Department	PH
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Title

Host Status History Tool

Description

The ATLAS TDAQ Sysadmin group manages and maintains the ATLAS online computing farm that is composed by ~3000 PCs.

Our team needs to keep track of all the hardware issues encountered and to be able to provide corresponding statistics and trends for each node in order to evaluate warranty and replacements strategy. The information is also provided to the TDAQ infrastructure that must be informed about the current availability of the nodes: a node can have hardware failures or being tested or used for other purposes and consequently has to be excluded by the list of nodes to be used in data taking. Other applications should also be notified about an hardware failure so that Control Room shifters and experts know that the issue is known and is being followed.

As part of the group the candidate will participate in the design and development of this Host Status History Tool.

Skills

Databases: MySQL. Information Technologies: Building web applications (e.g. with jQuery, HTML5), System administration (e.g. with GNU/Linux, Microsoft Windows, Networks), Using software development tools (e.g. Git, Jira, Trac). Programming Languages: Javascript, Python, Ruby RedMine

Disciplines

Information Technologies

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