Grid Operational Security

Mingchao MA

Science and Technology Facilities Council (STFC), UK

Managing operational security in Grid environment such as EGEE is a unique and challenging task. It requires closer collaboration and cooperation among all participant sites. It is crucial for interconnected grid sites to handle security incidents and threats effectively and efficiently. This is because a single incident at one site can be propagated to many other sites very quickly. Thus, it is essential to respond threats in a collaborative and coherent approach. The first part of this paper will discuss and share some experiences and lessons learnt on improving Grid operational security in both UK GridPP project and EGEE project.

The growth of the national Grid infrastructure across European countries and the transition to the NGI/EGI (National Grid Initiative the European Grid Initiative) will bring increasing demands in operational security. The second part of this paper will also discuss some new challenges of operational security and the ways forward in the new arena of NGI/EGI.