

Open Science Grid Security

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The security program of the Open Science Grid aims to provide a security framework that enables science and promotes autonomous and open science collaboration among VOs, sites, and software providers. Keeping the balance between openness, necessary to do the science, and the security is at the core of our work. We reach our goal by providing: operational security, interoperability, and education. The operational security, modeled after the NIST 800-53 guidelines, include: vulnerability awareness, incident response, and implementation of the controls. Interoperability with other grids spans from policy development (JSPG, IGTF) to inter-grid information services to middleware development coordination (MWSG). We follow Integrated Security Management principles, and develop awareness materials and provide role-based security training to our members. We seek to learn from our members about the difficulties of applying best practices. Thus, we could prevent our users from circumventing the security practices.