

STAR Grid Activities - OSG and Beyond

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We will present the ongoing grid efforts of the STAR experiment within the Open Science Grid (OSG) and beyond, as well as the integration of resources in Europe, Asia and South America. STAR is a founding member of the OSG Consortium and has several functioning resources on OSG, its main facilities at BNL/RCF and LBNL/NERSC as well as universities, Wayne & Birmingham. Additional resources are in process of connecting to OSG. Numerous distributed resources used by STAR collaborators are employing grid or grid-inspired technologies. Common examples are the usage of grid job submission tools with the STAR standard workload service called SUMS and the use of data handling and transfer tools across grids. Maximizing on heterogeneity of resources while minimizing in-house platform support efforts, evaluation of the dynamic deployment of reliable data analysis framework via STAR validated software stack with Xen virtual machine is being thoroughly investigated, leveraging advanced VM technologies and research from the CEDPS project.