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JIM Deployment for the CDF Experiment

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JIM (Job and Information Management) is a grid extension to the mature data handling system called SAM (Sequential Access via Metadata) used by the CDF, DZero and Minos Experiments based at Fermilab. JIM uses a thin client to allow job submissions from any computer with Internet access, provided the user has a valid certificate or kerberos ticket. On completion the job output can be downloaded using a web interface. The JIM execution site software can be installed on shared resources, such as ScotGRID, as it may be configured for any batch system and does not require exclusive control of the hardware. Resources that do not belong entirely to CDF and thus cannot run DCAF (Decentralised CDF Analysis Farm), may therefore be accessed using JIM. We will report on the initial deployment of JIM for CDF and the steps taken to integrate JIM with DCAF.

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