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IceProd - A dataset management system for IceCube: Update

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IceCube is a cubic kilometer neutrino detector located at the south pole. IceProd is IceCube's internal dataset management system, keeping track of where, when, and how jobs run. It schedules jobs from submitted datasets to HTCondor, keeping track of them at every stage of the lifecycle. Many updates have happened in the last years to improve stability and scalability, as well as increase user access. Major additions include better heterogenous job scheduling, resource requests and tracking, monitoring, and multi-user support. Along the way, the IceProd codebase switched from Python 2 to Python 3.

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