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Establishment of new WLCG Tier Center using HTCondorCE on UMD middleware.

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WLCG, a Grid computing technology used by CERN researchers, is based on two kinds of middleware. One of them, UMD middleware, is widely used in many European research groups to build a grid computing environment. The most widely used system in the UMD middleware environment was the combination of CREAM-CE and the batch job manager "torque". In recent years, however, there have been many difficulties due to torque's problems. As an alternative, there was a lot of effort to use HTCondor instead of torque. One of them is to use HTCondorCE in UMD middleware. "HTCondorCE" was developed by the OSG middleware group. However, HTCondor, which is the foundation of "HTCondorCE", does not depend on middleware and can be used in UMD middleware as well. The KISTI Center, recently registered at the CMS Tier-2 Center, has built a computing center using "HTCondorCE" based on UMD middleware. We have prepared to share and share the experience and trial and error found in the establishment process with other groups.

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