

Integrating Amazon EC2 with the CMS Production Framework

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As cloud middleware (and cloud providers) have become more robust, various experiments with experience in Grid submission have begun to investigate the possibility of taking previously Grid-Enabled applications and making them compatible with Cloud Computing, which will allow for dynamic scaling of the available hardware resources on a dynamic basis, providing access to peak-load handling capabilities and possibly resulting in lower costs to the experiment. Here we discuss current work within the CMS collaboration at the LHC to both perform computation on EC2, both for production and analysis use-cases.

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