P-GRADE: a High-level Grid Application Development Environment *

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ABSTRACT

P-GRADE provides a high-level graphical environment to develop parallel applications transparently both for parallel systems and the Grid. One of the main advantages of P-GRADE is that the user does not have to learn the different APIs for parallel systems and the Grid. Simply by using the same environment will result in the generation of parallel applications transparently applicable either for supercomputers, clusters or the Grid. The P-GRADE portal enables the execution of parallel programs and workflows in several kinds of Grids including Condor Grids, Globus-2 and Globus-3 Grids as well as a Jini based Grid.

Keywords: Cluster and Grid programming, Grid portals, Grid execution.

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