

Opening new frontiers for predictive science with IBM petascale computing

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Synopsis

In recent years, the need of large scale high performance computing in scientific has been experiencing exponential growth, as scientific problems are increasing in complexity and granularity where minimum time-to-sight is the key requirement.

Petascale computing, the machine capable of performing one quadrillion, that's one million billion, operations per second, is enabling new scientific applications that would have been unimaginable just a few short years ago. It is expected to open the doors to solving global challenges such as environmental sustainability, disease prevention, and disaster recovery.

IBM roadmap for Petascale to Exascale computing as well as architecture of world's fastest and the 1st to reach Petaflops machine, The "Roadrunner" will be revealed during the session