

Grids & Web Services Convergence in Enterprise

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Abstract

The convergence of Grid and Web Services makes it very easy to take relatively mainstream enterprise applications and write to a service with a simple API. With the help of WSRF, Grids start to converge with SOA, and make the distributed architectures key to capitalizing on the business opportunity that is created by Service-Oriented IT. Standard Web services augmented by Grid services can be used to create truly scalable, business-driven, on-demand infrastructure that virtualizes compute, storage, application, network resources, applications and data within an enterprise, as well as across multiple enterprises.

The result is that organizations using this technology are gaining a competitive edge. In the area of SOAs, the grid is the ideal platform on which to execute services because of its ability to virtualize the actual execution of the service away from the physical host on which the service is to be executed. The advantages here are that nothing changes as far the client requesting the service is concerned and these services are guaranteed to execute and scale regardless of the client load.

Organizations around the globe are taking advantage of this market-changing technology—adoption is increasing and the convergence of Grids, Web Services and SOA is exhibiting the classic patterns of a technology that is approaching maturity and preparing itself for entry into the mainstream.