A COMPUTING SYSTEM DEPLOYMENT METHOD

Abstract

Conventional computing systems today, for example enterprise applications, possess multi-tier architectures. Management of the computing systems to maintain architectural integrity and performance of a host system onto which the computing systems are deployed onto, is critical for providing availability of business services to users. When components of a computing system or computing system are moved between two host systems, there is a need to reconfigure a previously configured host system. Thus, the deployment requires complicated procedures that requires specialized training in the computing system being installed as system integrity has to be preserved at all times. Furthermore, a computing system will undergo further component replacements, enhancements and expansion in scale once it becomes operational within the system. Keeping the dependencies and the integrity of a large scale host system becomes problematic as different components of the computing systems are provided by different vendors. Further more, the maintenance of inter-connected host systems, computing systems or its components needs to be performed by an administrator who is deploying the systems or computing systems. An embodiment of the invention addresses the foregoing issues by introducing layers and clusters for segregating components of the computing system based on their functionality and services provided respective components. Associations between components are registered in profiles to facilitate dependency tracking. The model provided by the embodiment of the invention allows for structured deployment of the computing system onto a host system. The profiles further facilitate migration of the computing system and its associated components onto another host system without compromising host system integrity.

Figure 1

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