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(57) Abstract :

A method and a system for determining, managing and deploying an application topology in a virtual environment are provided. QoS parameters, workload attributes and application topology elements are received. An application topology and a deployment strategy are determined based on the received one or more of QoS parameters, workload attributes, application topology elements and application topology patterns. Virtual environment components are identified based on the determined application topology and the deployment strategy. After the application topology is deployed, the QoS parameters of the virtual environment components are monitored. After analyzing the monitored QoS parameters with expected QoS parameters, a QoS parameter variance is detected. If the detected QoS parameter variance exceeds the pre-defined threshold, a corrective action for the application topology is determined.

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