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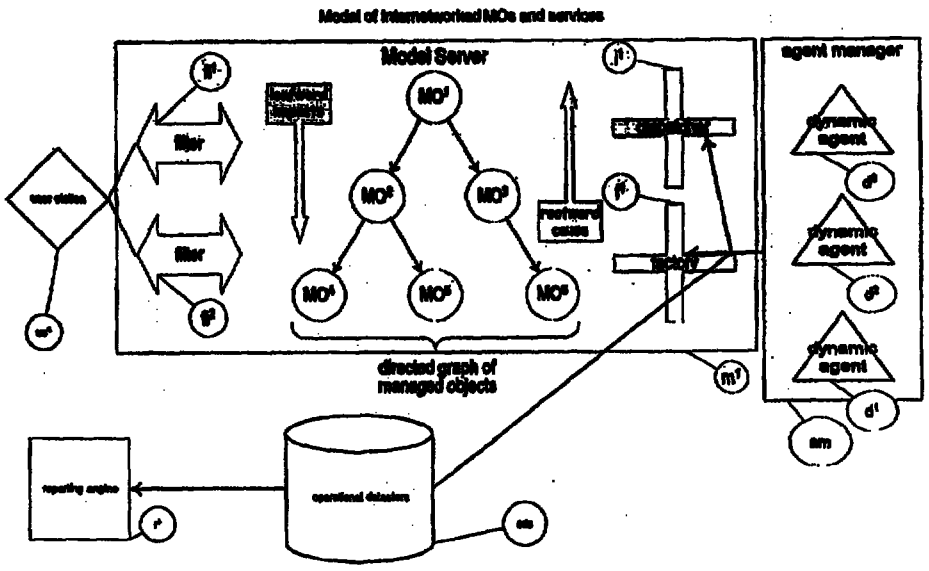
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(54) Title: DYNAMIC MODELING OF COMPLEX NETWORKS AND PREDICTION OF IMPACTS OF FAULTS THEREIN



(57) Abstract

A method and system are provided for use in administering a complex system, such as a distributed computing ensemble. A model of the system (ml) being administered is prepared, preferably during runtime by a combination of autodiscovery processes and manual input of information as needed. The model represents not only the resources found in the administered system, but also the service relationships among those resources. The system administrator defines elements in the model corresponding to arbitrary groupings of existing parts of the model. Software agents (am) are reconfigured during run time. Clusters of neighboring state changes that have a logical relation to each other are grouped together, and are preferably represented in a graphical display. Any root cause events are identified and displayed.