MODELING OF INTERNET SERVICES

ABSTRACT

The dependancies of a computer service are modeled. The modeling hierarchically defines the relationships between the computer service and the hardware and software services which the computer service depends. These relationships may be contained in data structures defining a directed acyclic graph. The model also defines which measurements need to be taken to determine health and performance of the computer service and the health and performance of all the computer services upon which the computer service depends. Software agents that take these measurements may be deployed using the model to determine the measurement locations and functions. Data from measurement agents may be propagated up the model hierarchy. The model (200) may also be visualized by a graphical interface to communicate the dependancies and the health and status of the services upon which the modeled service depends.

Figure 2