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(57) Abstract :

The present disclosure provides a hierarchical event detection (100). The system includes a set of sensors (102) for data collection, and a processor (104) that collects data using a hierarchical model that reflects network hierarchy levels, detecting events across these layers based on their characteristics. Detected events are evaluated and assigned severity levels, from minor to critical, representing their impact on network integrity. These events are then visually presented on a display unit (114) in a hierarchical format, highlighting interdependencies and relationships. Additionally, the system transmits alerts to network administrators when events surpass predefined severity thresholds. The system enhances event management, aiding administrators in maintaining network performance and security.

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