

ANOMALY DETECTION BASED ON PERFORMANCE INDICATORS

ABSTRACT

During operation, a computer may monitor values of at least one performance
5 metric associated with packet communication by access points in a network. Then,
the computer may compare current values of the performance metric for the access
points with historical values of the performance metric for the access points within a
temporal context in order to determine temporal anomaly scores for the access points.
Moreover, the computer may compare the temporal anomaly scores of a group of
10 access points in order to determine spatial temporal anomaly scores for the access
points that indicate a significance of the temporal anomaly scores in a spatial context.
Furthermore, when a spatial temporal anomaly score for an access point meets a
detection criterion, the computer system may identify the current value of the
performance metric for the access point as an anomaly. Next, the computer system
15 may perform a remedial action based on the identified anomaly.

Fig. 1