

Towards Region-level IP Geolocation Based on the Path Feature

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Abstract—While the delay-distance correlation among nodes is weak, calculating the distance constraints according to delay may fail to geolocate the target into a right region. Aiming at this problem, a new geolocation method is proposed in this paper, and according to extract path features for all possible regions in use of a large number of landmarks, this method can estimate the region for a target IP. The experiment results shown that, the proposed method can give the geolocation region with high accuracy.

Keyword—IP geolocation, path feature, landmark, region-level geolocation, traceroute.



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