Nanjee IP Geolocation – Technical Explanation

Nanjee Inc.'s mission is to be the recognized leader of IP geolocation technology by broadly implementing its pioneering real-time, hyper local consumer-independent IP geolocation technology on a global basis.

History

Nanjee Inc. is an internet based company founded in 2011 with offices in Chicago and London. The firm has developed a hyper local consumer-independent IP geolocation technology that is around 50 times more accurate than any competitive approach; the technology includes a unique real time IP geolocation feature. It is served through cloud based, low-cost, scalable API and File processing web services. The technology applications are unlimited.
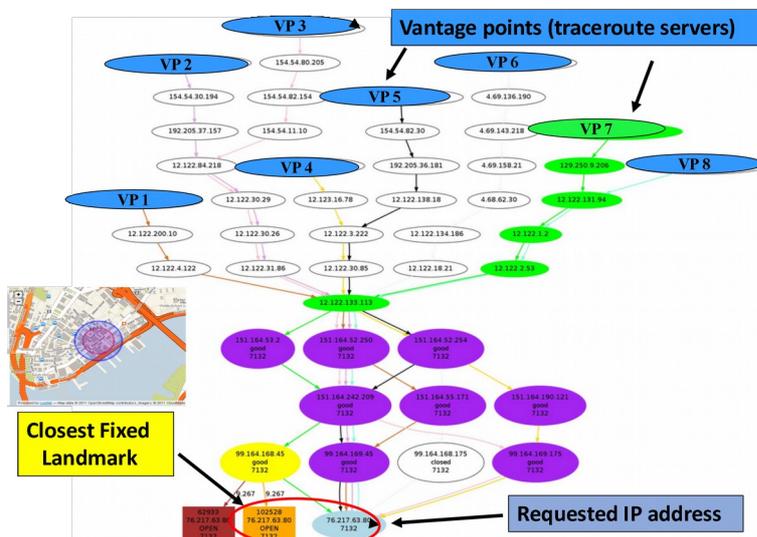
How Nanjee Works

Nanjee is revolutionising IP Geolocation with advanced computer science using tracerouting and relative time delay measurement to link the clients requested IP address with the closest fixed IP landmark in the Nanjee IP Geolocation system.

Nanjee fixed IP landmarks include web and e mail servers, Wi-Fi routers and suchlike in the environment.

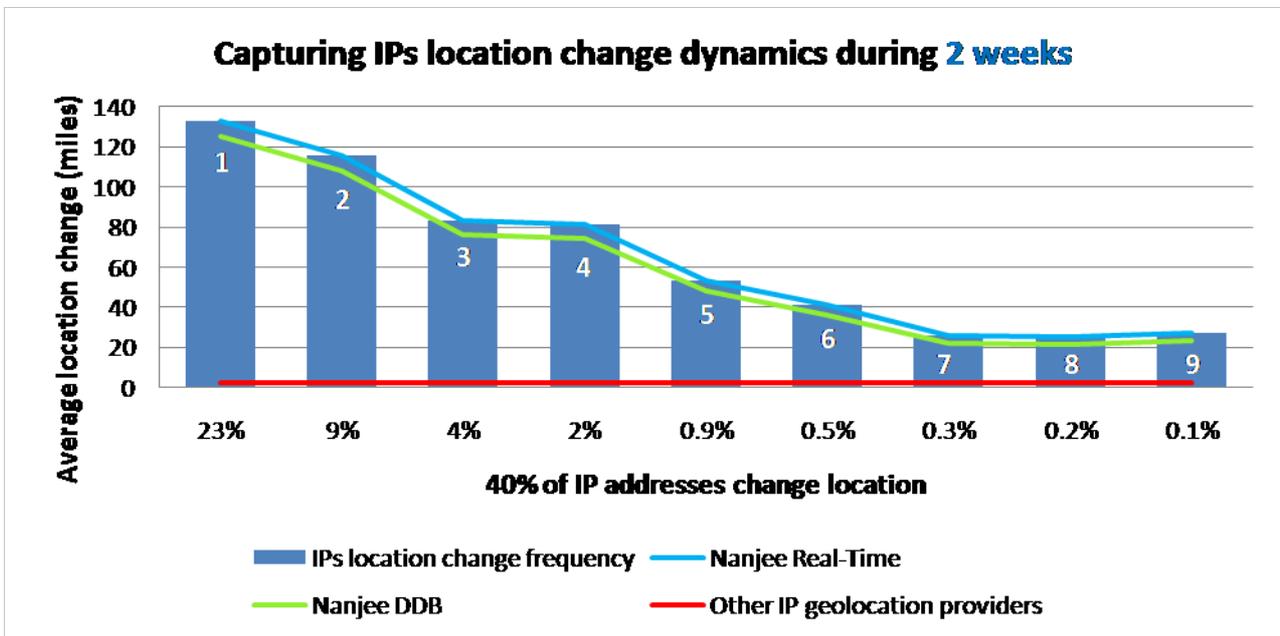## Linking IP address with fixed landmark

Nanjee Dynamic Data Base (DDB)

The Nanjee IP data base is managed internally and does not rely on third party data providers. We use a dynamic method to ensure the IP database remains current; IP addresses are sent for refresh within Nanjee's IP Geolocation system as per the profile of their known location-change frequency e.g. daily, every other day etc. Updated new IP locations are instantly available in the IP Geolocation database from which clients are served.

Real Time

Real Time IP Geolocation is a unique, premium service that Nanjee also provides that is not available anywhere else in the market. This service enables a client's IP request to be directly sent to the Nanjee live IP Geolocation system from which the result is then served directly to a client and not served from the database. Such approach further increases data accuracy due to high location change frequency of dynamic IP addresses.

Nanjee is a user independent technology that does not intrude privacy. The technology provides clients with an IP address location within **0.7 miles** on average. Accuracy results continue to improve as more IP landmarks are added to the database.

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