

lookupCountry

September 4, 2026

lookupCountry

Kind: Function

Source: [atloria-monorepo/apps/api/src/analytics/utils/tracking-utils.ts](https://github.com/atloria-monorepo/apps/api/src/analytics/utils/tracking-utils.ts)

Resolve a client IP to a 2-letter ISO country code using the bundled MaxMind GeoLite2 database (via `geoip-lite`). This is the same approach Umami, Plausible, and Matomo all use for server-side geolocation.

Returns null for:

- localhost / private IPs (127., 10., 192.168.*, etc.)
- IPs not found in the database
- malformed inputs

The GeoLite2 database is loaded into RAM once at startup (~2MB). All subsequent lookups are pure memory reads — sub-microsecond latency.

Signature

```
function lookupCountry(ip: string | null): string | null
```

Parameters

Name	Type
<code>ip</code>	<code>`string</code>

Returns: `string | null`