



VERIFICATION AND NUMBER INTELLIGENCE

HLR Lookup

Validate every number before you send it.

Query the Home Location Register of operators in 200+ countries. Get live reachability, line type, the carrier that serves the number today and roaming state, to clean lists, score fraud and route at least cost. Each lookup returns a timestamped response your application can audit later.

200+

countries reached

99.9%

uptime SLA

Live

operator HLR queries

KEY CAPABILITIES

Real-time HLR queries

Live SS7 MAP query against the operator HLR, or Diameter/UDM on a 5G core. No stale data, no probabilistic guesses.

Roaming state

Identify subscribers roaming outside their home network, for fraud scoring and roaming alerts.

Smart caching

Per-account cache TTL, from always-live upward. Repeat lookups are served from cache at the cache rate.

Number portability

Resolves ported numbers to the carrier that actually serves them today.

Batch enrichment

Large lists chunked into batch calls, streamed back as NDJSON or landed in cloud storage as Parquet.

No PII stored

Lookup-only mode returns the answer and forgets the question: no MSISDN on disk.

USE CASES

Fraud screening before OTP

Skipping unreachable handsets

Routing for ported numbers

Timestamped compliance audits

HOW IT WORKS

- 1 Query: POST /sms/lookup with an MSISDN in E.164, or a batch of numbers.
- 2 Cache: recent results return from cache with the same operator and port-status fidelity.
- 3 Live query over our SS7 / Diameter network to the destination operator's HLR.
- 4 Resolve: live operator (after porting), country, network, roaming status and reachability.

INTEGRATION OPTIONS

- REST API: OpenAPI 3.1, Bearer-token auth
- SMPP plugin: inline HLR check on every bind, no app changes
- Official TypeScript SDK: @broadnet/cpaas-sdk
- Excel plugin: validate a column of numbers without code

SECURITY & COMPLIANCE

ISO 27001

ISO 27018

ISO 9001

ISO 22301

SOC 2 Type II

GDPR compliance

Member of GSMA · MEF

Request test access

A messaging engineer replies within 1 business day with your test credentials.

www.broadnet.me/signup

Full details

www.broadnet.me/products/hlr-lookup