

Alaris MNP Server

Release notes

version 2.5.0

Document Type: Release notes

Date of Issue: 6/25/2026

Copyright © 2005 - 2026 Alarislabs Pte Ltd.
All rights reserved.

The information contained in this document is the property of Alarislabs Pte Ltd. No part of this publication may be reproduced or copied in any form or by any means - graphic, electronic or mechanical including photocopying, recording, taping, or any other information storage and retrieval System - without written consent of Alarislabs Pte Ltd. No third party, organization or individual, is authorized to grant such permission.

The information provided in this document is for general informational purposes only. While we strive to ensure accuracy and completeness, the documentation may contain omissions, or may not reflect the most current updates or include all recent changes. Alarislabs Pte Ltd. cannot be held responsible for any inaccuracies or incomplete information contained in this manual. Users are encouraged to verify details and consult with the Alaris technical support team for the most up-to-date and comprehensive information (support@alarislabs.com). By using this manual, you acknowledge that you understand and accept these terms.

What's new

1 What's new

General

- Support for the **Camara API** has been added along with the following methods that allow additional subscriber information to be retrieved:
 - **sim swap** — retrieves the date of the subscriber's last SIM card change.
 - **number verification** — verifies the availability and validity of a phone number.
 - **know your customer match** — verifies subscriber data against reference information.

The following interfaces have been updated.

Clients

The *Enable OAuth* toggle is now available for enabling and disabling OAuth authorization. When enabled, the values of the *Login* and *Password* fields are used as the Client ID and Client Secret for token generation. The mandatory *OAuth Scopes* drop-down list also becomes available, containing the following service values accessible to the client:

- **Sim swap (check)** — verifies whether the subscriber's SIM card was replaced within a specified period.
- **Sim swap (retrieve date)** — retrieves the date of the last SIM card change.
- **Number verification (verify)** — verifies the phone number provided in the request.
- **Number verification (phone number)** — retrieves the phone number for which a *Number verification (verify)* request was received, based on the correlator ID sent in the same step.
- **Know your customer (data match)** — verifies subscriber data against reference information.

Multiple services may be selected for a single client. For the functionality to work correctly, the *http* value must be selected in the *Interfaces* list for the client. In addition, reselling must be enabled (to be agreed separately with an AlarisLabs manager).

Sources

The new *Camara* tab has been added, allowing the following HLR source types to be selected: *camara_sim_swap_check*, *camara_sim_swap_retrieve_date*, *camara_num_ver_verify*, *camara_num_ver_device_phone_number*, *camara_kyc_match*. When creating a source, a URL for sending requests to the service and a URL for token retrieval must be specified.

Camara API Rules

The new interface for configuring request rules for Camara sources has been added. Camara rules operate independently of standard HLR dipping rules and do not support fallback or rerouting of requests. Accordingly, when a request is received that must be processed through Camara services, standard dipping will not be performed.

The following parameters must be specified when creating a rule:

- *Rule type* — the type of rule (that is, which service will be queried).
- *Prefix list* — the list of prefixes and/or phone numbers used for rule selection.
- *Client* — the client name (the list of possible values will contain the clients for which the corresponding service has been selected on the *Clients* page).

What's new

- **Sources** — the sources for the request. Multiple providers may be configured within the same service type (for example, with different URLs).

The additional permissions *camara_rules.read* and *camara_rules.edit* have been added for access to the *Camara API Rules* interface.

HLR EDR Structure

The HLR EDR structure has been updated in accordance with the information received from the services. To send requests and retrieve information, the client must follow the API described below.

Step 1. Obtain a token for a specific service

Send the following request, replacing *127.0.0.1* with the IP address or domain name of the MNP server, *LOGIN* and *PASS* with the client credentials, and *SCOPEVALUE* with one of the supported scope values:

```
curl "http://127.0.0.1:42081/oauth2/v1/token" -d
"grant_type=client_credentials&scope=SCOPEVALUE" -H 'Content-Type: application/x-www-
form-urlencoded' -u "LOGIN:PASS"
```

Supported values of *SCOPEVALUE*: *sim-swap:retrive-date*, *sim-swap:check*, *number-verification:verify*, *number-verification:device-phone-number*, *kyc-match:match*.

The response contains a token, for example:

```
{"access_token":"TOKEN","token_type":"Bearer","expires_in":3600,"scope":"SCOPEVALUE"}
```

The issued token is valid for 3600 seconds by default. To change the token lifetime, contact the Technical support team and provide the code MNP-981.

Step 2. Query a specific service

The following examples show how to query each supported service. In all examples, replace *TOKEN* with the token value obtained in Step 1.

a) Sim swap (check)

```
curl -X POST 'http://127.0.0.1:42081/sim-swap/v2/check' -H 'authorization: Bearer
TOKEN' -H 'content-type: application/json' -H 'x-correlator: 8f5bd6bc-6f54-4d93-a895-
354f50fda6dd' -d '{ "phoneNumber": "+346661113334", "maxAge": 24}'
```

Parameters: *x-correlator* — unique request identifier; *phoneNumber* — the number to check; *maxAge* — the period in hours during which the SIM card change is checked.

Response: { "swapped": true }

b) Sim swap (retrieve date)

```
curl -X POST 'http://127.0.0.1:42081/sim-swap/v2/retrieve-date' -H 'authorization:
Bearer TOKEN' -H 'content-type: application/json' -H 'x-correlator: 8f5bd6bc-6f54-
4d93-a895-354f50fda6dd' -d '{ "phoneNumber": "+346661113334"}'
```

Response contains the date of the last SIM card change. If the SIM card has never been replaced, the date will be *null*:

```
{ "latestSimChange": "2024-09-18T07:37:53.471829447Z" }
```

c) Number verification (verify)

```
curl -X POST 'http://127.0.0.1:42081/number-verification/v2/verify' -H
'authorization: Bearer TOKEN' -H 'content-type: application/json' -H 'x-correlator:
nv-device-phone-001' -d '{ "phoneNumber": "+346661113334"}'
```


What's new

Response: { "devicePhoneNumberVerified": true }

d) Number verification (phone number)

```
curl -i -sS -X GET 'http://127.0.0.1:42081/number-verification/v2/device-phone-number' -H 'Authorization: Bearer TOKEN' -H 'x-correlator: nv-device-phone-001'
```

The *x-correlator* value must match the one sent in the corresponding *number-verification/v2/verify* request.

Response: { "devicePhoneNumber": "+346661113334" }

e) Know your customer (data match)

```
curl -X POST 'http://127.0.0.1:42081/kyc-match/v0.3/match' -H 'authorization: Bearer TOKEN' -H 'content-type: application/json' -H 'x-correlator: kyc-match-002' -d '{ "phoneNumber": "+346661113334", "idDocument": "666666666Q", "name": "Federica Sanchez Arjona", "givenName": "Federica", "familyName": "Sanchez Arjona", "birthdate": "1978-08-22", "email": "federica@example.com", "postalCode": "28001", "country": "ES" }'
```

The *phoneNumber* field is mandatory. At least one optional field must also be provided.

Response (may vary depending on the service response):

```
{ "idDocumentMatch": true, "nameMatch": true, "givenNameMatch": true, "familyNameMatch": true, "birthdateMatch": true, "emailMatch": false, "postalCodeMatch": true, "countryMatch": true }
```

Configurator

- Two new sources have been added to enable interaction with the AI Traffic Classifier product: *alaris_lang_detector* (for language detection) and *alaris_traffic_classifier* (for traffic type classification). To use these sources alongside other HLR providers, the new *Unconditional usage* flag must be enabled on the respective sources. When this flag is enabled, the subsequent sources (according to the configured rules) will be queried regardless of whether a successful response was received from the source with *Unconditional usage* flag enabled. For clients, the corresponding new response fields (*LANGUAGE_NAME*, *LANGUAGE_CONFIDENCE*, *ANTIFRAUD_MATCH*, *MESSAGE_CATEGORY*) have been added to the *Response fields* list.

Note that full integration with AITC requires confirmation from an Alaris Labs account manager, as well as internal configuration by the Technical support team.

- The *Name* field has been added to the *Clients* interface. The client name can be specified when working with *Camara API Rules*.
- Support for domain names has been added to the *IP address* field when creating an ENUM source. Note that the domain name must start with *enum*.

MNP Proxy 3

- The new source *azerconnect* has been added.
- Support for the new Unibell API version (*unibell_v2*) has been added. When configuring a source, the *Response code source* field can be set to the name of a field from the HLR source response — its value will be assigned to the internal metric *hlrResponseCode*. If the field is left empty, *hlrResponseCode* will be taken from the status field.
- For the *jtnav_enum_gr* HLR source, parsing from the *valid* field into the internal metric present has been added: *present=yes* if *valid=true*; *present=no* if *valid=false*; the value *NA* will be assigned for any other values of the *valid* field.

Fixed issues

2 Fixed issues

Configurator

- Missing search by source name has been fixed when creating a dipping rule (*Choice* form).