Alaris Labs
Telecom Software Products
Carrier-Neutral, Protocol-Agnostic

www.alarislabs.com
alarislabs
alaris-labs
alarislabs_com

Alaris MNP Server

Release notes

version 2.2.0

1 What's new

- The *Custom MNP* field has been added for sources of the *mnp* type, with the possible options *TRASH*, *UNALLOCATED*, *RCS_CAPABLE*, W*A_CAPABLE*. In this way the user can select one of the fields at the MNP source level and return the number details received from the MNP to the client in response. To return new data, select the appropriate fields (*trash*, *unallocated*, *is_rcs_capable*, *is_wa_capable*) in the *Response fields* list at the client level (for the HTTP client). For ENUM clients, contact the Alaris technical support team and provide the code MNP-516 to configure the ENUM response template. Note that in order to use all fields you will need to create separate MNP sources and specify the required sources in the HLR rule sequentially. Custom fields received from such sources will not be overwritten when requesting the next source. Additionally, new data must be imported into MNP databases in the following format (from a csv file): *prefix;boolean value*

  for example:

  34123456;true

- A panel has been added for sources that allows selecting the HLR service protocol or the method of interaction with it: *HTTP*, *ENUM*, *SS7*, *MNP*. The list of sources (their type) will be filtered depending on the selected protocol.

- The role name rather than role ID will now be displayed in the *Role permissions* field when editing a user.

- *HLR Configurator* has been renamed to *MNP Configurator*.

- The *Product type* column has been added to the *HLR request rules* tab. A filter is available for the column.

- The *Product names* column has been added to the *HLR request rules* tab. A filter is available for the column.

- Support of the HLR source *Movilgate API* has been added.

- Recording of interim HLR EDRs for ENUM providers has been added if the request was resubmitted to the same provider by the parameters *Number of attempts to request provider* and *Timeout for each attempt of requesting*.

- The *Extra fields in response* flag has been added for a source of the *redsms* type. If enabled, the *fields* field with the value *all* will be sent to the provider in the request. In this case, the provider's response contains the *mccmnc* field, from which the data is taken to define the HLR MCCMNC.

- The *system_response_code* value has been added to the *Clients* section for the *Response fields* field to return System response code values to the client. Possible returned values (and general logic of their assigning) are as follows:

  0 - the response code from the HLR provider is successful (the number is available in the network, it is valid etc.) and, if the provider returns an MCCMNC, the HLR MCCMNC is received

  1 - the response code from the HLR provider is unsuccessful (for example, the number is unavailable or invalid), but an HLR MCCMNC was received

  2 - the response code from the HLR provider is unsuccessful (for example, the number is unavailable or invalid) and no HLR MCCMNC was received

3 - the HLR request was unsuccessful (for example, no response was received from the provider or the provider response code is unknown to the System)

Note that System codes are not assigned to all HLR providers, and also assigning a value for different HLR providers is based on different fields from their responses. For more detailed logic description, contact the Alaris technical support team and provide the MNP-485 code and the HLR source type (for example, *netnumbercid*).

- For sources of the *xconnect* and *netnumbercid* types, it is possible to specify a field from the provider's response (for example, *cic*) in the *Response code source* field. Its values will be used for the internal routing metric *hlrResponseCode*.
- The logic of assigning *hlrResponseCode* for the HLR source *Unibell* has been changed. Now, when the vendor returns *status=absent, hlrResponseCode=1*, and when *status=active, hlrResponseCode=0* (previously it was the other way around). For other values from the *status* field *hlrResponseCode* remains -1.

2 Fixed issues

- Selection of the language with which the MNP Server opens has been improved (when it is accessed from the main interface rather than a separate link). Previously the default language was set as English, even if the login language was different. Starting from the new version, the language selected when logging into the System will be used. Note that if this language is not supported by the MNP Server (for example, Italian), English will be used.