

Alaris MNP Server

Release notes

version 2.4.0

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1 What's new

Configurator

- The *Simulation* interface has been added to run simulation according to existing dipping rules. Using this interface, the System owner can check the configured HLR routing without actually querying HLR sources. The corresponding permissions for working with the interface have also been added.
- A restriction has been added to prevent renaming an HLR source that has been created, as it may contain loaded rates or be used in dipping rules.
- The description (text) of errors generated during rate import has been revised.
- Description of the error message has been improved, which is displayed when attempting to create a rule with overlapping prefixes. The rule ID containing duplicate values has been added to the output.
- The functionality of the *Huntstop* parameter has been expanded — now the following values are available:
 - *On source timeout* — querying of next-in-line HLR sources stops when the response from the source times out (result=-6). This value is not applicable if the *source type=mdp*.
 - *On failed response* — querying of subsequent next-in-line HLR sources stops when an unsuccessful response is received from the HLR source (result=-1,-3). This value is not applicable if the *source type=mdp*.
 - *Unconditional* — previous logic with huntstop enabled (HLR source search stops when result=-1, -3, -6).
 - *Disabled* - previous logic when huntstop is disabled (default value).

Please note that the response timeout from the ENUM provider is calculated as the product of the parameters *ENUM request timeout, sec* and *Number of request attempts*.

- The flag *Use Login to authorize client* has been added. When enabled for authorization of clients sending requests over ENUM, the sent *Login* will be verified along with the IP address. The request format that includes the login looks as follows:

```
dig @127.0.0.1 -p 5053 IN NAPTR 2.3.3.4.0.9.8.5.9.5.8.3.login.domain
```

- The *History logs* interface has been added to track changes applied by users. Permissions controlling access to the interface have been added. By default, change logs are available for the past seven days. To change the number of days contact the Alaris technical support team and provide the code MNP-235.
 - Possibility has been added to limit the number of requests sent by HLR reselling clients. The configuration is done in the *Clients* interface using the following fields (by default, there are no restrictions):
 - *Request limit* – the maximum number of incoming requests within the period defined by the *Period type* and *Period number* fields. Possible values: from 1 to 100,000,000. If the field is left empty, no limits are applied.
 - *Period type* – the type of time period; possible values: *hour*, *day*, *week*.
 - *Period number* – the number of periods based on the *Period type*; possible values: from 1 to 500.
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- *Effective from* – the date and time from which the request count will start.

For example, if the *Request limit* is set to 1000 and *Period number* is 3 with *Period type* = *day*, then data will be accumulated over a span of 3 days starting from the *Effective from* date. Suppose the *Effective from* date is set to 2020-01-01 00:00:00; in this case, the counter will reset at 2020-01-04 00:00:00 — and then every three days thereafter.

Note that requests processed before the configuration was set are not taken into account when calculating the limits. **Important:** All client requests are taken into account, for which a response with an error code other than 4xx was returned. When the limit is exceeded, subsequent requests will be rejected with the error message: "Request limit exceeded."

MNP Proxy 3

- For LCR functionality, a restriction has been introduced on the list of HLR sources used. The default value is 3. This value is set by the Alaris technical support team. To change it, contact the team and communicate the code MNP-636.
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2 Fixed issues

Configurator

- The display of HLR choices in the main interface table has been corrected. Their order could fail to match the order set during rule creation. The issue was only in the display order and did not affect the processing of HLR requests.
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