

# Quriiri SMTP MT API

This document describes the Quriiri SMTP MT API version 1 (v1).

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## Sending messages

The hostname/domain part for SMTP to SMS message recipients is available in the Quriiri web UI.

## Security

### Authentication

All SMTP API accesses must be authenticated. Authentication is based on API keys which can be managed in the Quriiri web UI. The API key must be sent with each message in one of the following:

Authorization header	Authorization: apikey your-api-key-goes-here (where your-api-key-goes-here is your API key)
Mail subject	Subject: your-api-key-goes-here (where your-api-key-goes-here is your API key). The subject can also contain an additional subject text and in this case the API key must be the last word in the subject.

### Sending restrictions

Sending messages through the SMTP messaging API can be limited by the sender's email domain. This means that for each API key, allowed domains setting can be set. This limitation can be set from the Quriiri web UI.

## SMTP to SMS message translation

SMTP message part	Description
From (email sender)	Any email sender can be used. The sender of the SMS is predefined and can be set from the Quriiri web UI. International numbers with + or 00 prefix and 5 to 15 numbers following it, national ones / shortcodes with 1 to 15 numbers, alphanumeric with max 11 characters. Although other characters may work, we cannot guarantee it and recommend restricting the characters used in alphanumeric senders to letters A-Z and a-z, and digits 0-9.
To (email recipient)	The part before @ in the email recipient specifies the SMS destination number. These numbers should be in international or national format. International numbers should begin with + or 00 prefix and national format numbers will be converted to Finnish ones. For maximum reliability, we recommend using only international format numbers, with nothing but digits following the international prefix. Multiple recipients can be specified using multiple recipients for an email, or by placing several recipient numbers in the email's recipient, separated by semicolons, commas, or dots (;,.,).
Email message content	Message text. The text to use is either included as the body of the email message, or the first text/plain part if the email message is a MIME encoded one. Based on the text, Quriiri automatically determines whether the message can be sent using the GSM character set or if sending it as Unicode is required. Also, Quriiri determines automatically how many SMS messages are required to send the message. The general rule of thumb is that the first SMS using the GSM character set can hold up to 160 characters; if there are more, concatenation is required and each SMS (including the first one) can hold up to 153 characters. Note that some characters in the GSM character set will consume two characters instead of one. For Unicode, the corresponding numbers are 70 and 67.

## Example

The following SMTP message sends a message with contents "Hello, world!" to two destination numbers +358400000001 and +358500000002.

```
To: +358400000001@quriiriapi.example.com, +358500000002@quriiriapi.example.com
From: example@customer.example.com
Subject: xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx
```

```
Hello, world!
```

## Revision history

Version	Description
1.0.1, 10.3.2017	Added sending restrictions and changed how the message sender is set
1.0.0, 8.12.2016	Initial version