# 2-Factor Authentication (2FA)

2-factor authentication in Lucy is based on Authy service, which allows you to login to the system using a security token obtained via the mobile application or via SMS message. In order to set up 2FA for your Lucy, you will need to go through a few simple steps:

- 1. Obtain an API key
- 2. Configure Lucy to use the API key
- 3. Setup 2FA for all users

# **Obtain an API Key**

You may either use our pre-configured API key or set up your own key. We **strongly** recommend to obtain your own API key for production setups, as using the pre-configured key will share your Lucy login information (emails, phone numbers and time of the login) with our Authy account. More than likely this is not what you need. **By default Lucy has no 2FA API key configured and doesn't send any login information outside.** 

### Use Pre-configured Key (NOT RECOMMENDED)

In order if you are running a test system and just want to check how 2FA works, you may use our test API key: R0nCZuD1RyPYa9Cys0L1q4x08hIIN06m (just copy it and proceed to "Configure Lucy" section below)

#### Generate Your Own Key

- Create a new account on Twilio (free of charge): https://www.twilio.com/try-twilio
- Open the console: https://console.twilio.com/
- In the console go to Explore Products and find Authy:

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• Press "Verify your phone number", enter your phone number to recieve a verification code,

#### then enter it to get your number validated.

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> 2 Phone Numbers	Authy allows you to add two-factor authentication (3KA) to your application is minutes. Authenticate your users with IME//Viole one-time passwords (0TP), Soft Token 1019, or push authentication. The Authy API supports users with the Authy apy, any app bull with the Twilio Authenticator SDK, or any authenticator which complex with the TOTP standard.
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Email integration	Verify a phone number on your Twillo account: Before you can implement Authy yourself, you'll need to verify a phone number with Twillo to help protect your account. We also recommend you enable 2FA on your account. Enable 2FA here
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• Set the application name (i.e. Lucy) in "Friendly name" column and hit "Create Application".

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• Add your first user email and phone number.

# Phone Numbers	Authy users need an email and phone number to ensure that users can receiv	er their account if they less the 2PA device. Use your real phone number for this step so that y	su can do a real authentication yoursall.
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  - Select "App Token", then enter generated token number from "Authy" app on your phone.

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• go to "Settings", press an eye icon at

"Production API KEY" and the system will show you your unique API key.

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• Copy this API key - you will need to paste it into Lucy

## **Configure Lucy**

At this step, you should already have an API key. Open Lucy interface and go to "System"  $\rightarrow$  "Advanced Settings" in the main menu and paste your API key into "2FA" field, then hit "Save".

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Now you're all set and can configure 2FA for your account.

### Setup 2FA for user accounts

All users in the system should configure 2FA for them on their own (as it sends SMS to their phone).

In order to do so, each user should:

- 1. Go to the "Account" page
- 2. Enter their phone in the corresponding fields
- 3. Hit "Save"
- 4. Press "Configure 2FA" and follow instructions on the screen

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A user will be logged out after configuring 2FA and the system will ask a 2FA token during the next login. In order to obtain a 2FA token, you may either use Authy mobile application or request a token via SMS.

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