

## 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

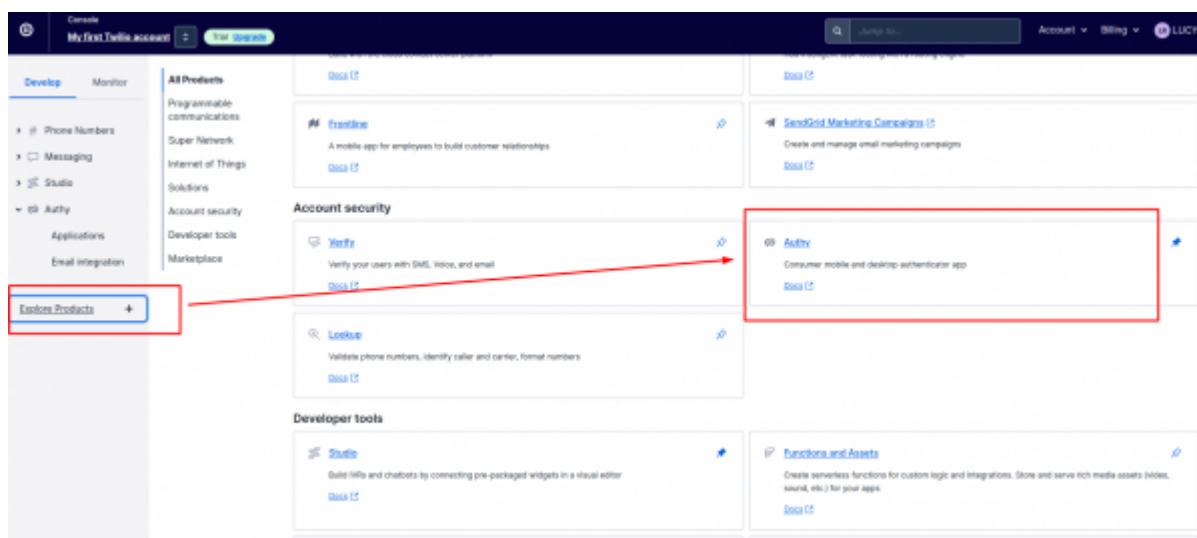
You may either use our pre-configured API key or set up your own key. We **strongly** recommend to obtain your own API key for production setups, as using the pre-configured key will share your Lucy login information (emails, phone numbers and time of the login) with our Authy account. More than likely 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: R0nCZuDlRyPYa9Cys0L1q4x08hIIN06m (just copy it and proceed to "Configure Lucy" section below)

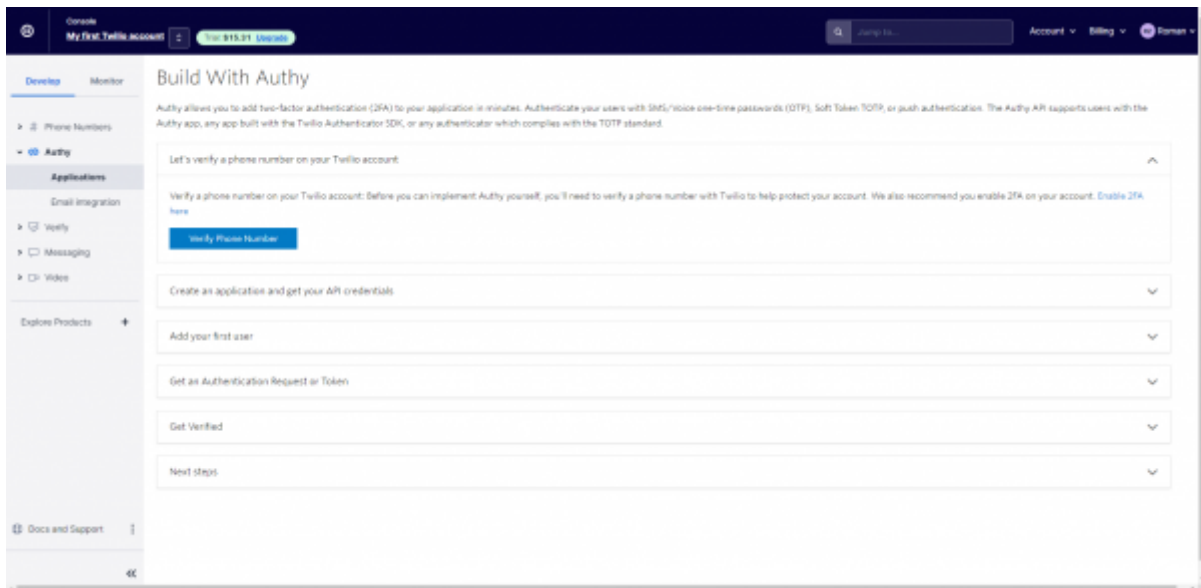
### Generate Your Own Key

- 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:

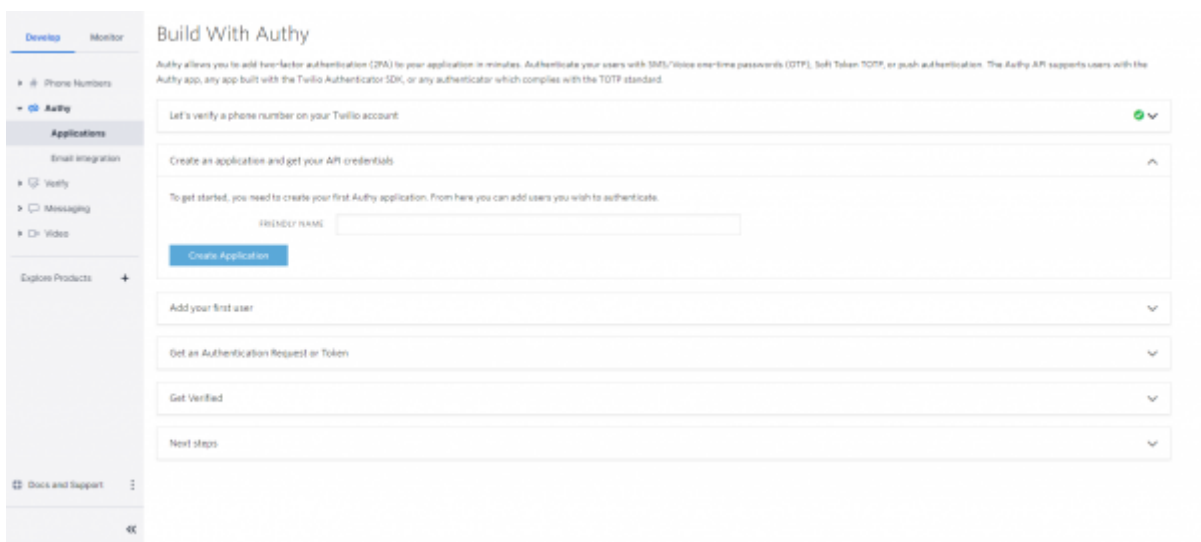


- Press "Verify your phone number", enter your phone number to receive a verification code,

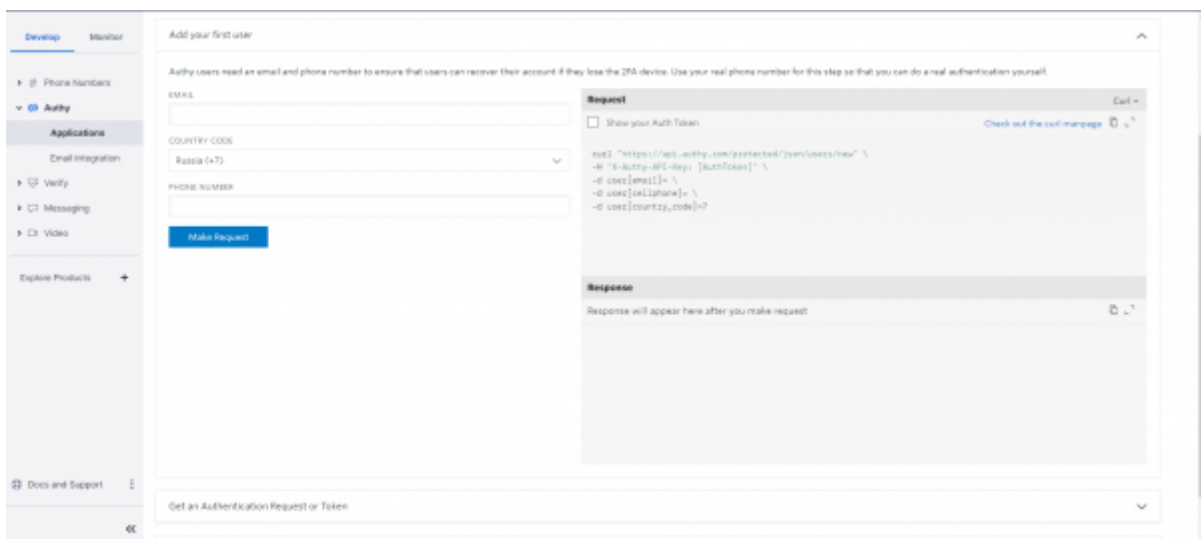
then enter it to get your number validated.



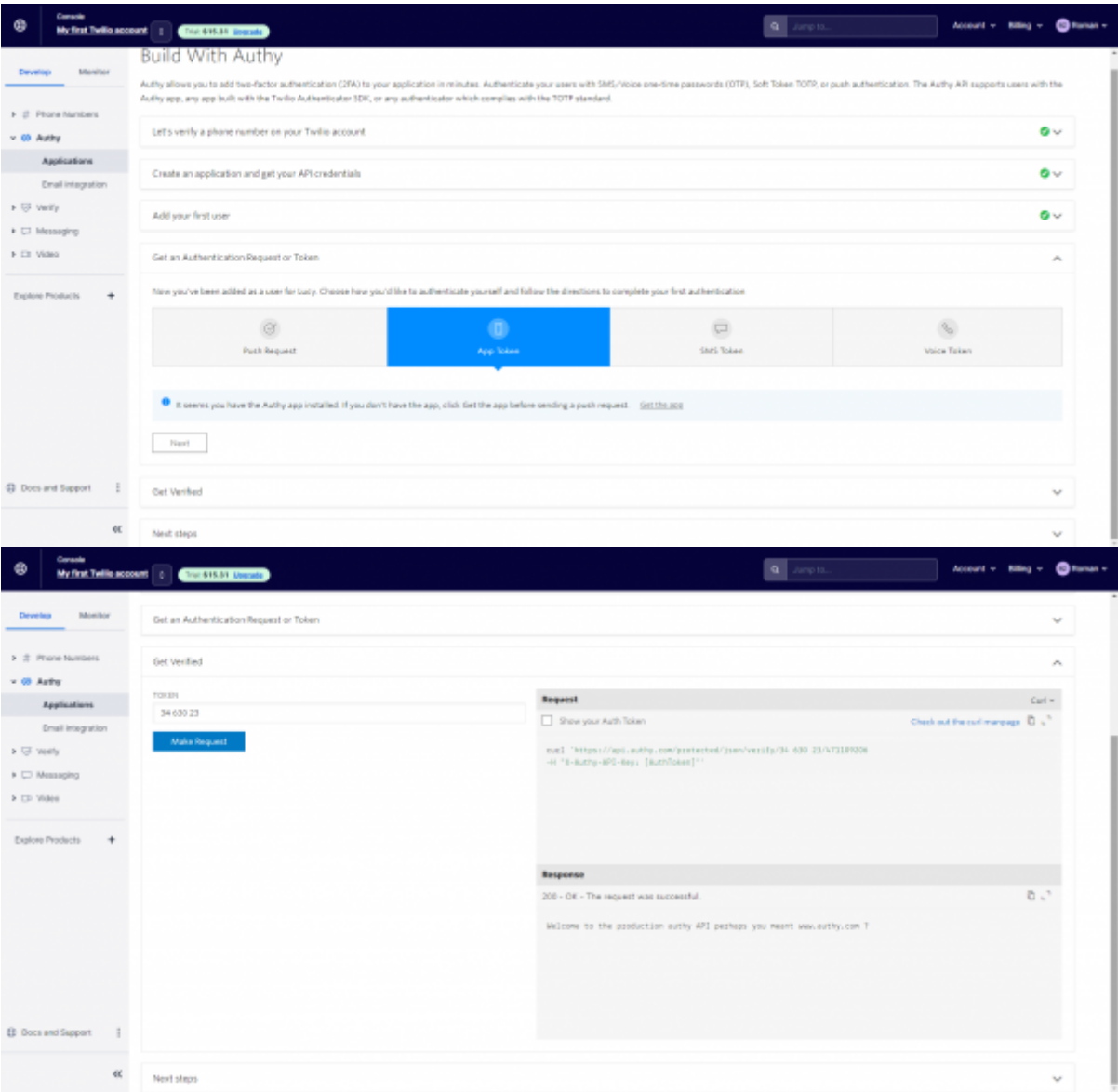
- Set the application name (i.e. Lucy) in "Friendly name" column and hit "Create Application".



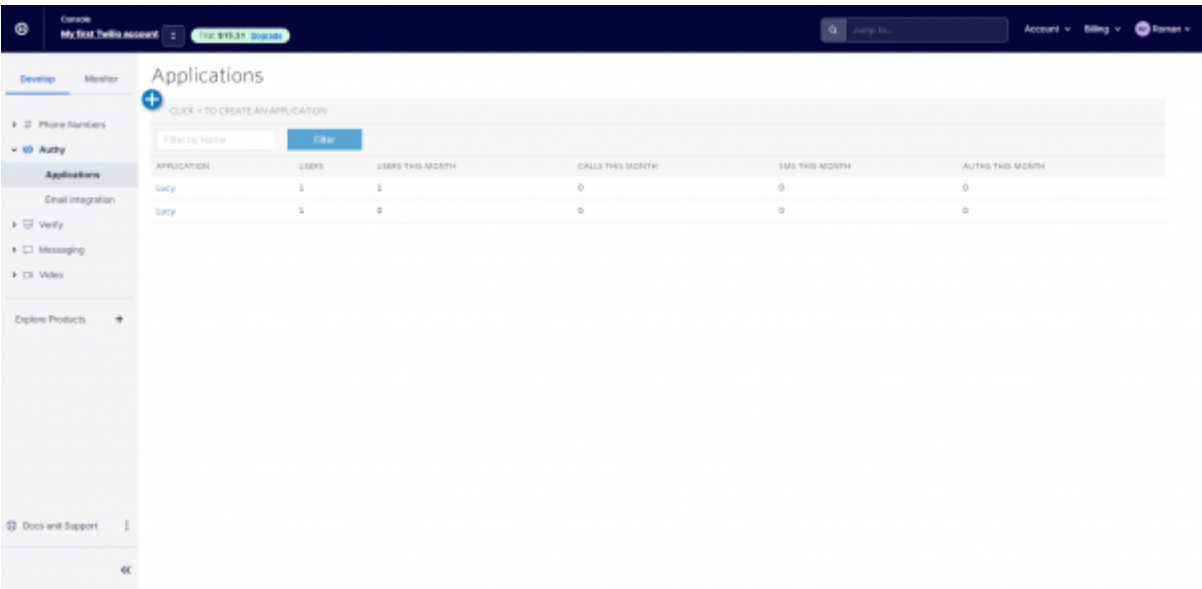
- Add your first user email and phone number.



- Select "App Token", then enter generated token number from "Authy" app on your phone.

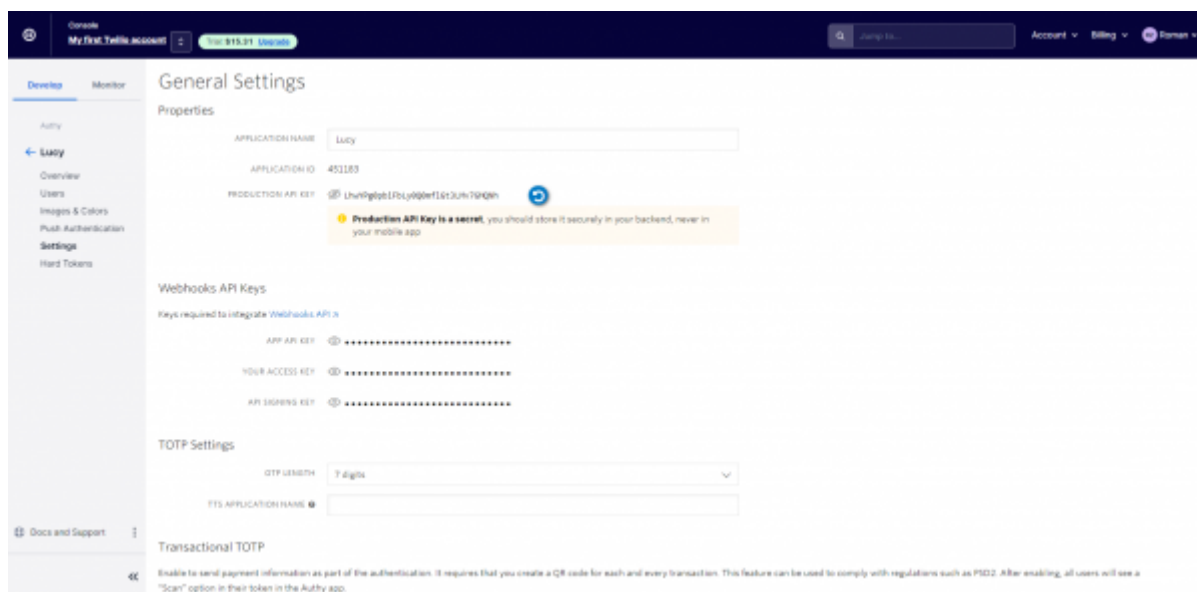


- Choose your created application,



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

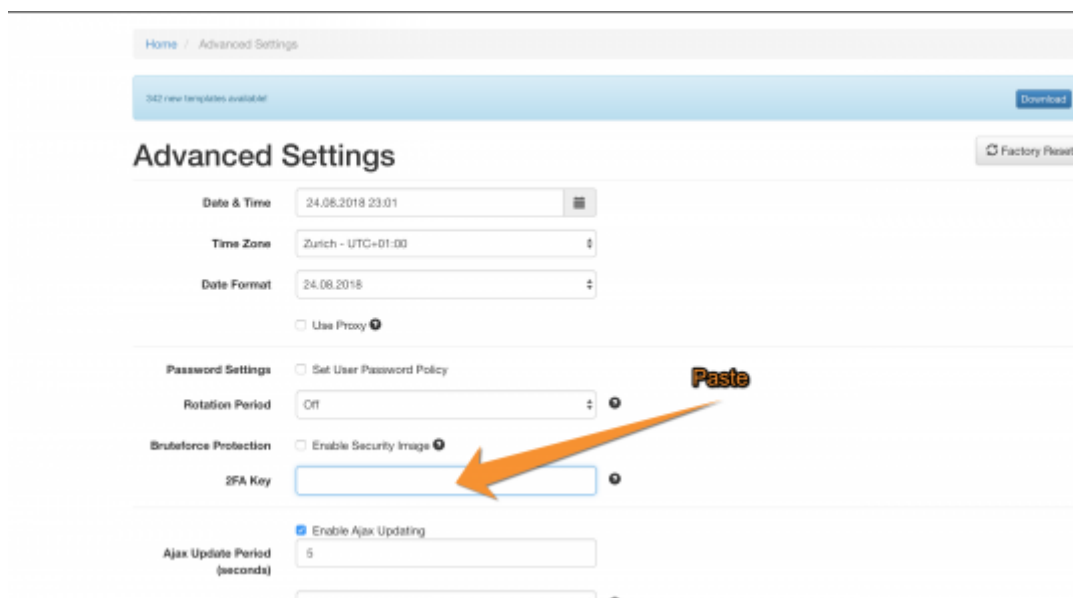
"Production API KEY" and the system will show you your unique API key.



- 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" → "Advanced Settings" in the main menu and paste your API key into "2FA" field, then hit "Save".



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

The screenshot shows a web application interface for account management. At the top, there is a dark navigation bar with 'Your Software Name' and various menu items. Below this, a breadcrumb trail shows 'Home / Account'. A blue banner indicates '242 new templates available' with a 'Download' button. The main content area displays the email 'default@user.com' and a sidebar with 'Account' and 'Password' tabs. The 'Account' tab is active, showing fields for 'Country Code' (a dropdown menu) and 'Phone' (a text input). A 'Save' button is located below these fields. To the right of the 'Phone' field, there is a 'Configure 2FA' button. Four orange arrows with numbers 1 through 4 point to the following elements: 1. The 'Account' tab in the sidebar. 2. The 'Phone' input field. 3. The 'Save' button. 4. The 'Configure 2FA' button. A small message '2FA configuration is not configured.' is visible below the 'Phone' field.

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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