

# Rainbow Developer Onboarding (Global)

1. Register for a Rainbow account at Rainbow API Hub (<https://hub.openrainbow.com/>)



Use the Rainbow API Hub to enrich your applications with chat, group chat, voice, video, file-sharing, telephony PBX features and more.

2. Login to Rainbow API Hub.



Use the Rainbow API Hub to enrich your applications with chat, group chat, voice, video, file-sharing, telephony PBX features and more.

3. Fill in your information details.

ACCOUNT

Signout

REGISTER YOUR ACCOUNT

Welcome! Yew Meng (DEMO) Kok

This is the first time you connect to the Rainbow API Hub. Fill this form to complete your registration to the Rainbow API Hub. This operation is **free of charge**.

Your account needs to be attached to a Rainbow company. Please enter a company name and select a country to create a new one.

COMPANY NAME

Company name

COUNTRY

Afghanistan

You need to agree the developer terms and conditions.

By clicking agree and continue, I agree the [developer agreement](#)

AGREE AND CONTINUE

4. Click on “Sandbox Account”.

DEVELOPERS

Build and deploy your applications for Rainbow

PRODUCTION PLATFORM

Overview

Applications

Billing

Account

RAINBOW SANDBOX PLATFORM FOR DEVELOPERS

WELCOME TO THE RAINBOW PLAYGROUND FOR DEVELOPERS!

Need a free platform to test your Rainbow integration? Create your Rainbow Sandbox Developer Account on our Sandbox platform for developers. You will be able to create and connect your test application to a dedicated Rainbow platform and discover how easy it is to add chat, file sharing, audio and video and much more to your application.

SANDBOX PLATFORM

Sandbox account

5. Click on “Create Your Sandbox Developer Account”. This will create a Sandbox Developer account on the Sandbox platform.

Use our Rainbow CLI tool with your Sandbox Developer Account to create tests accounts and applications on the Sandbox platform.

*Click on the following button to create your account.*

*A confirmation email will be sent once ready.*

**CREATE YOUR SANDBOX DEVELOPER ACCOUNT**



STATUS    **NOT CREATED**

More information about how to develop on the Sandbox platform can be found in guide [Developers Sandbox platform](#).

More information about how to use the Rainbow CLI tool can be found in guide [Rainbow CLI: Getting Started](#).

6. You will receive your Sandbox Developer account login and password in your email.



Hi Yew Meng,

Welcome to the Rainbow API HUB developers platform!

Your developer account has been successfully activated on our Rainbow API HUB platform.

This account lets you connect to the Rainbow developers sandbox platform for starting your Rainbow development :

Developer Sandbox Platform information:

- Rainbow Sandbox URL: <https://web-sandbox.openrainbow.com>
- Your developer account : [REDACTED].com
- Your developer password: [REDACTED]
- Sandbox API Host address : <https://sandbox.openrainbow.com:443/>

Complete Rainbow API and SDK documentation are accessible here:  
<https://hub.openrainbow.com>

## 7. Rainbow CPaaS Documentation

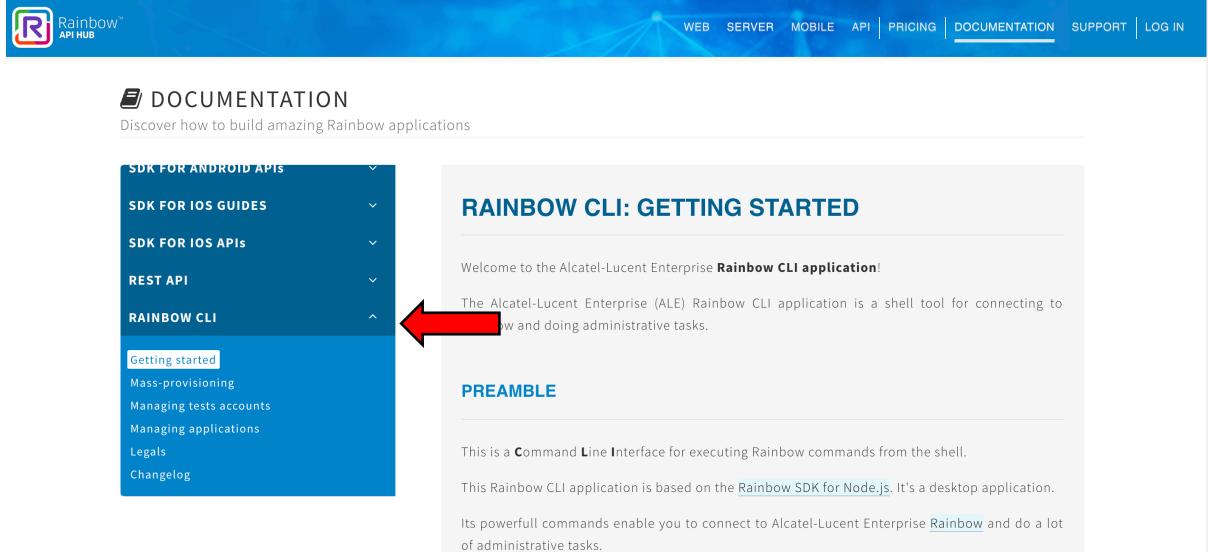
<https://hub.openrainbow.com/#/documentation/doc/hub/getting-started>



Use the Rainbow API Hub to enrich your applications with chat, group chat, voice, video, file-sharing, telephony PBX features and more.

## Sandbox Configuration

1. Install Rainbow CLI to configure your sandbox, create test accounts etc.



The screenshot shows the Rainbow API Hub Documentation website. The top navigation bar includes links for WEB, SERVER, MOBILE, API, PRICING, DOCUMENTATION, SUPPORT, and LOG IN. The DOCUMENTATION section is highlighted. On the left, a sidebar menu lists various documentation sections: SDK FOR ANDROID APIs, SDK FOR IOS GUIDES, SDK FOR IOS APIs, REST API, and RAINBOW CLI. The RAINBOW CLI section is expanded, showing sub-links: Getting started (which is highlighted in blue), Mass-provisioning, Managing test accounts, Managing applications, Legals, and Changelog. A red arrow points from the 'Getting started' link in the sidebar to the corresponding section in the main content area. The main content area is titled 'RAINBOW CLI: GETTING STARTED' and contains text about the Alcatel-Lucent Enterprise Rainbow CLI application, its purpose, and its powerful commands for connecting to Rainbow and doing administrative tasks.

2. Enter “rbw configure”.

3. Select “Rainbow Developers Sandbox Platform”.

```
[kokyewmeng-mbp:~ yewmengkok$ rbw configure
Welcome to Alcatel-Lucent Enterprise Rainbow CLI
The Alcatel-Lucent Enterprise (ALE) Rainbow CLI is a shell application for connecting to Rainbow and doing administrative tasks.
Action > Configure your Rainbow CLI

Answer to the following questions to configure your Rainbow CLI...
? Rainbow platform to connect (Use arrow keys)
> Rainbow Developers Sandbox platform
Rainbow Production platform
Private Rainbow platform...
```

4. Enter your Sandbox Developer account login and password.

```
[kokyewmeng-mbp:~ yewmengkok$ rbw configure
Welcome to Alcatel-Lucent Enterprise Rainbow CLI
The Alcatel-Lucent Enterprise (ALE) Rainbow CLI is a shell application for connecting to Rainbow and doing administrative tasks.
Action > Configure your Rainbow CLI

Answer to the following questions to configure your Rainbow CLI...
? Rainbow platform to connect Rainbow Developers Sandbox platform
? Proxy to use None
? Your Rainbow Login Email [hidden].com
? Your Rainbow Password [hidden]
? Your Rainbow Application Id (For production only) None
? Your Rainbow Application Secret None

✓ Command successfully completed

Use the command `rbw login` to connect to Rainbow
```

5. Enter “rbw login” to login to the sandbox.

```
[kokyewmeng-mbp:~ yewmengkok$ rbw login
Welcome to Alcatel-Lucent Enterprise Rainbow CLI
Version installed 1.54.0
✓ Command successfully completed
Signed in as '[hidden].com'
```



6. Enter “rbw commands” to see all available commands.

```

[kokyewmeng-mbp:~ yewmengkok$ rbw commands

Welcome to Alcatel-Lucent Enterprise Rainbow CLI
You are logged in as [REDACTED].com on platform sandbox.openrainbow.com
Your roles user + admin + app_admin
Your level company_admin > app_admin > user

Action > List commands

Level      Theme          Commands                                         Details
-----      ----          -----
user       General        login [email] [pwd]                         Log-in to Rainbow
                                                    logout                           Log-out from Rainbow
                                                    change password <password>   Change the logged-in user's password
                                                    whoami                          Display information about the connected user
                                                    network                         List the contacts of the network

                                                Preferences                    Configure Rainbow CLI and store your preferences
                                                configure                     Update the login email to use
                                                set email <email>            Update the password to use
                                                set password <password>     Update the host to use
                                                set host <host>             Update the proxy to use
                                                set proxy <proxy>           Update the application id and secret key to use
                                                set keys <id> <secret>     List preferences stored
                                                preferences                  Remove application id and secret from preferences
                                                remove keys                 Remove proxy from preferences
                                                remove proxy                Remove all preferences stored
                                                remove preferences         

Rainbow      status api      status api                                List Rainbow portals status
                                                status platform               List Rainbow platform status

Developer    set developer   set developer                            Add role developer to account

Company     set admin <name> set admin <name>                            Create a company and add role admin to account

-----      Applications      -----
app_admin   Applications    application create <name>                   Create a new application
                                                    application delete <appid>     Delete an existing application
                                                    application deploy <appid>     Request to deploy an application
                                                    application stop <appid>       Request to stop an application
                                                    application restart <appid>    Request to restart an application
                                                    application renew <appid>      Renew the application secret
                                                    application set-offer <appid> [offer] Set the application's offer
                                                    application set-redirecturi <appid> <uri> Set the application's OAuth redirect URI
                                                    application set-termsurl <appid> <url> Set the application's OAuth terms of service URL
                                                    application set-privacyurl <appid> <url> Set the application's OAuth privacy policies URL
                                                    application set-implicitgrant <appid> Allow the application's OAuth implicit grant flow
                                                    application unset-implicitgrant <appid> Disallow the application's OAuth implicit grant flow
                                                    application <appid>            List application's information
                                                    applications                  List applications

Notifications application create fcm <appid> <key>          Create a push notifications setting for Android FCM
                                                    application create im <appid> <file>        Create a push notifications setting IM for IOS APNS
                                                    application create voip <appid> <file>       Create a push notifications setting VOIP for IOS APNS
                                                    application delete pn <appid> <id>          Delete an existing push notification setting
                                                    application pn <appid> <id>          List information of a push notifications setting
                                                    application pns <appid>          List application push notifications settings

Metrics      application metrics groups   application metrics available for any applications
                                                    application metrics <appid>  List application's metrics

Developers   developers payment [userid]  developers payment information
                                                    developers methods [userid]  List developer payment methods

```

```

-----  -----
company_admin  Users
-----  -----
create user <email> <pwd> <firstname> <lastname>      Create a new Rainbow user in your company
delete user <id>                                         Remove a developer payment method
user <id>                                                 List developer subscriptions associated to applications
users
changepwd user <id> <pwd>                                List users
changelogin user <id> <loginEmail>                         Change the password of a user
deactivate user <id>                                         Change the login email of a user
activate user <id>                                         Deactivate a user to avoid him connecting to Rainbow
initialize user <id>                                         Activate a user to authorize him connecting to Rainbow
uninitialize user <id>                                       Initialize a user
uninitialize user <id>                                       Uninitialize a user already initialized

Company
company [companyId]                                         List company's information
company set-name                                         Change the name of a company
company set-public                                        Change the visibility of a company to public
company set-private                                         Change the visibility of a company to private
company set-orgprivate                                     Change the visibility of a company to public inside an organization
company set-active                                         Change the status of a company to active
company set-inactive                                      Change the status of a company to inactive

Metrics
company status [companyId]                                 Status on a company
company metrics [companyId]                               Global metrics on a company
company metrics daily [companyId]                        Metrics aggregated per day on a company

Site
create site <name>                                         Create a new site
delete site <id>                                         Delete an existing site
site <id>                                                 List site's information
sites
systems

System
create system <name> <siteId>                           Create a new system for a site
delete system <id>                                         Delete an existing system
link system <systemId> <siteId>                          Link a system to a site
unlink system <systemId> <siteId>                         Unlink a system from a site
system <id>                                                 List system's information
systems

Phone
phone <id> <systemId>                                    List phone's information
phones <systemId>                                         List phones

Mass-Provisioning
masspro template user [filename]                         Download the csv template for users
masspro template device [filename]                      Download the csv template for devices
masspro check <filename>                                Check that a CSV file is correct
masspro import <filename>                                Import a CSV file containing users
masspro status company [companyId]                      List imports status done for a company
masspro status <reqId>                                  List an import details
masspro delete status <reqId>                           Delete an import details

✓ Available commands listed successfully.

```

7. Enter “rbw create user <email> <password> <firstname> <lastname> -c <companyId>” to create multiple user accounts on the sandbox platform.

```

[yewmengkok:~$ rbw create user --help

Usage: create user [options] <email>,<password>,<firstname>,<lastname>

Options:

-h, --help          output usage information
-c, --company <id> In company identified by an id
-a, --admin         With a company_admin role
-o, --org <orgId>  With a org_admin role for an organisation identified by an orgId
--public           Create a public user
-j, --json          Write the JSON result to standard stdout
-v, --verbose       Use verbose console mode

Examples:

$ rbw create user 'john.doe@mycompany.com' '*****' 'John' 'Doe'
$ rbw create user 'john.doe@mycompany.com' '*****' 'John' 'Doe' -c 593065822799299343b8501d
$ rbw create user 'john.doe@mycompany.com' '*****' 'John' 'Doe' -c 593065822799299343b8501d --admin
$ rbw create user 'john.doe@mycompany.com' '*****' 'John' 'Doe' -c 593065822799299343b8501d --admin --json

Details:

The option '--json' exports a JSON object representing the user created to the console

```

8. Enter “rbw application create <name>” to create an App ID.

```
[yewmengkok:~$ rbw application create --help

Usage: application create [options] <name>

Options:

-h, --help          output usage information
-m, --mob           Force the type to mobile
-s, --srv            Force the type to server
-b, --bot            Force the type to bot
--owner <ownerid> Give ownership of the application to a specific user.
-j, --json           Write the JSON result to standard stdout
-v, --verbose        Use verbose console mode

Examples:

$ rbw application create 'A new app'
$ rbw application create 'A new app' --bot
$ rbw application create 'A new app' --bot --owner 603065822799299343b8503e
$ rbw application create 'A new app' --bot --json

Details:

The option '--json' exports the JSON object representing the user to the console
```