

ESA User Guide

Contents

1.	Product Brief.....	2
2.	User Guide	2
2.1	User Guide for Web Browser Access.....	2
2.2	Windows User Guide.....	4
2.2.1	Install application.....	4
2.2.2	Login and logout	6
2.2.3	Change and reset password	8
2.2.4	Switch language and check for update.....	10
2.3	macOS User Guide.....	10
2.3.1	Install macOS application.....	10
2.3.2	Login and logout	12
2.3.3	Change and reset password	15
2.3.4	Switch language and check for update.....	16
2.4	iOS/Android User Guide	17
2.4.1	Download and install application.....	17
2.4.2	Login and logout	17
2.4.3	Change and reset password	20
2.4.4	Switch language and check for updates.....	21
2.5	Linux User Guide.....	22
2.5.1	Client Installation	22
2.5.2	User login and logout.....	22
2.5.3	Access to the resources.....	23
2.5.4	User logout	24

1. Product Brief

CDNetworks ESA is a security solution based on the Zero Trust architecture. It is used to help users gain a secure, rapid, and consistent access to the enterprise Intranet, Internet applications and SaaS applications. We offer two ways for users to access to ESA platform:

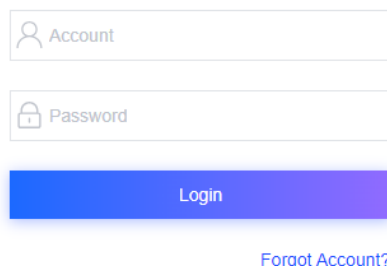
- 1) Via web browser
- 2) Via an ESA client. Clients are available on Windows, macOS, iOS, Android and Linux
 - To download ESA client, please visit our website: [Download the App](#)
 - You can also download Android application from: [Google Play](#),
 - For iOS: since App Store does not allow vendors to upload similar applications, ESA has to use the application named "[Securelink](#)", which we sell in mainland China.

2. User Guide

2.1 User Guide for Web Browser Access

- 1) Type the domain name provided by your enterprise administrator in the browser, fill in the username and password, and then click Login.

Login



The screenshot shows a login interface with the following elements:

- An input field labeled "Account" with a person icon on the left.
- An input field labeled "Password" with a lock icon on the left.
- A blue button labeled "Login".
- A link labeled "Forgot Account?" below the button.

- 2) If your administrator has enabled SMS verification, you will need to key in the **SMS verification code**; If not, please ignore this step.

Two-Factor Authentication. The code has been sent to



Continue

Resend after 58s

[Login Page](#) | [TOTP Authentication](#)

- 3) If your administrator has enabled TOTP authentication, you will need to key in the **TOTP verification code**; About how to use TOTP authentication: [TOTP Authentication](#), please refer to: If not, please ignore this step.

[< Back](#)

Input TOTP verification code

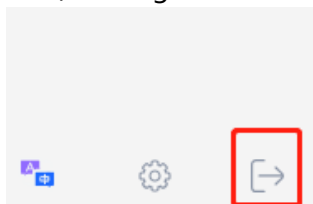
Continue

[SMS 2FA](#) | [TOTP User Guide](#) | [Reset TOTP Key](#)

- 4) After login, you will see a list of applications that have been authorized to you




- 5) To log out the current account, click the **Logout** button at the bottom left corner.



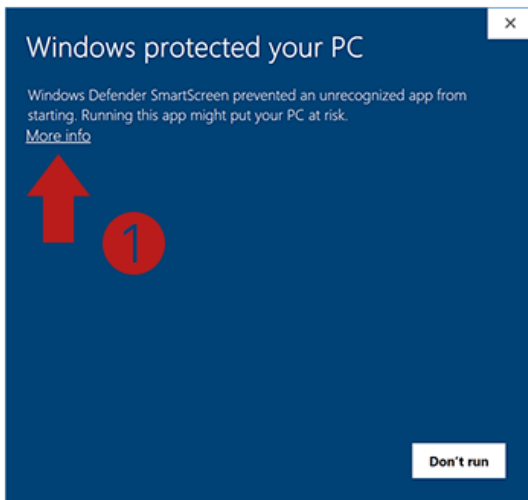
2.2 Windows User Guide

2.2.1 Install application

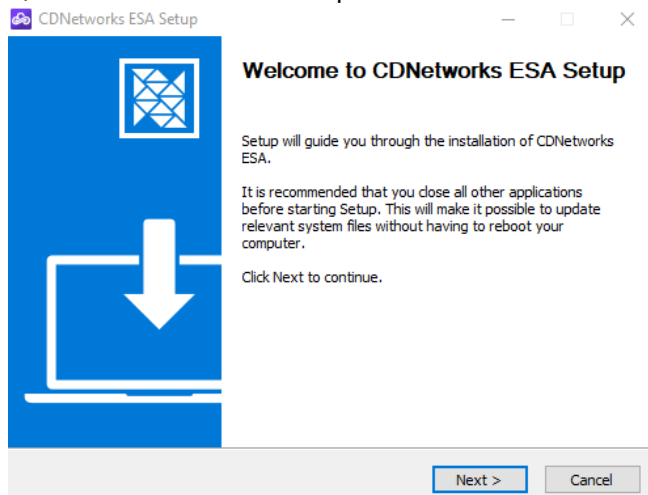
1) Double click the ESA-win-x64.exe file you have downloaded.

Name	Date modified	Type	Size
 CDNetworks ESA-2.95.1-439-2192-win-x6...	17/05/2023 11:40	Application	100,429 KB

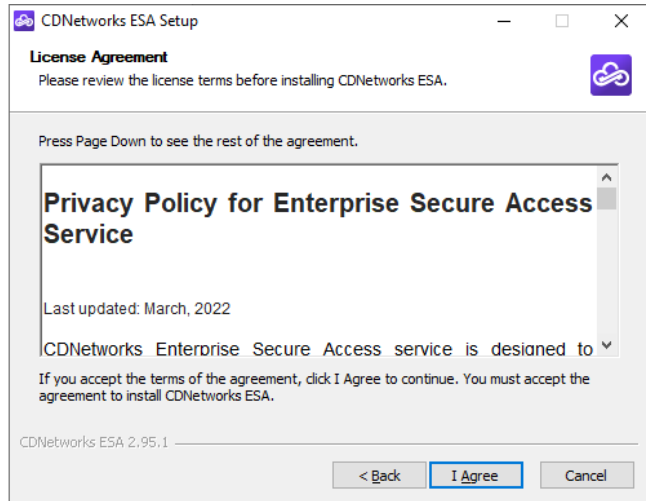
- If you see the following pop-up window, click on **More**, then **Run anyway**;
- Ignore this step if the pop-up window does not appear.



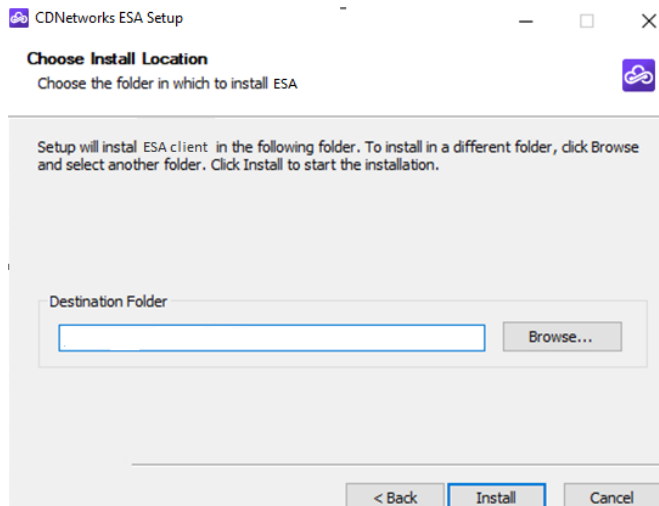
2) Click **Next** in the setup interface



3) Check and click **I Agree** in the Privacy terms interface



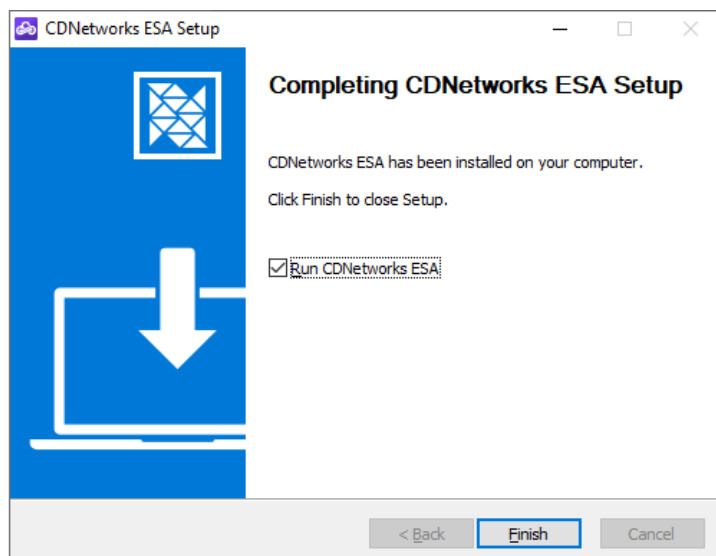
4) Choose installation path (or use the default location), and then click **Install**.



5) Install TAP-Windows driver

If there is a pop-up window asking to install TAP-Windows driver, click **Install**. If not, please ignore this step.

6) Tick **Run CDNetworks ESA**, then click **Finish** to complete the installation.



2.2.2 Login and logout

1) Login



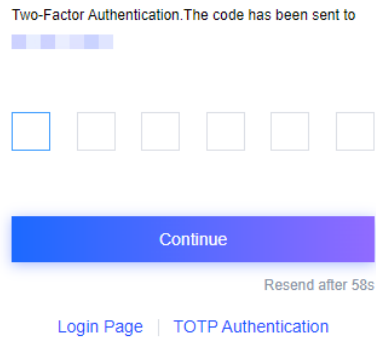
- a) Double click the ESA shortcut icon
- b) Key in Enterprise ID provided by your administrator. It is case sensitive

A screenshot of the ESA login interface. On the left is a large blue circular graphic with the ESA logo and version number '2.95.1'. On the right, there is a form with an 'Enterprise ID' input field containing 'alextest', a checkbox for 'I have read and agree to Terms of Use and Privacy Policy', and a blue 'Next' button. At the top right, there are links for 'Feedback' and 'More'.

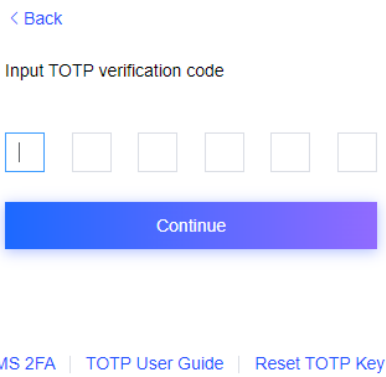
- c) Key in account/password provided by administrator, and click **Log In**.
 - Tick **Remember me** to remember the password for future logins.
 - Tick **Auto-login** to get automatically logged in when you run the application.

A screenshot of the ESA login interface, showing the second step. The 'Enterprise ID' field is now disabled. The 'Account' field is active and contains a blurred name. The 'Password' field is active and contains six asterisks. There are checkboxes for 'Remember me' (checked) and 'Auto-login' (unchecked). A blue 'Log In' button is prominent. At the bottom, there are links for 'Switch Enterprise' and 'Forgot Password'.

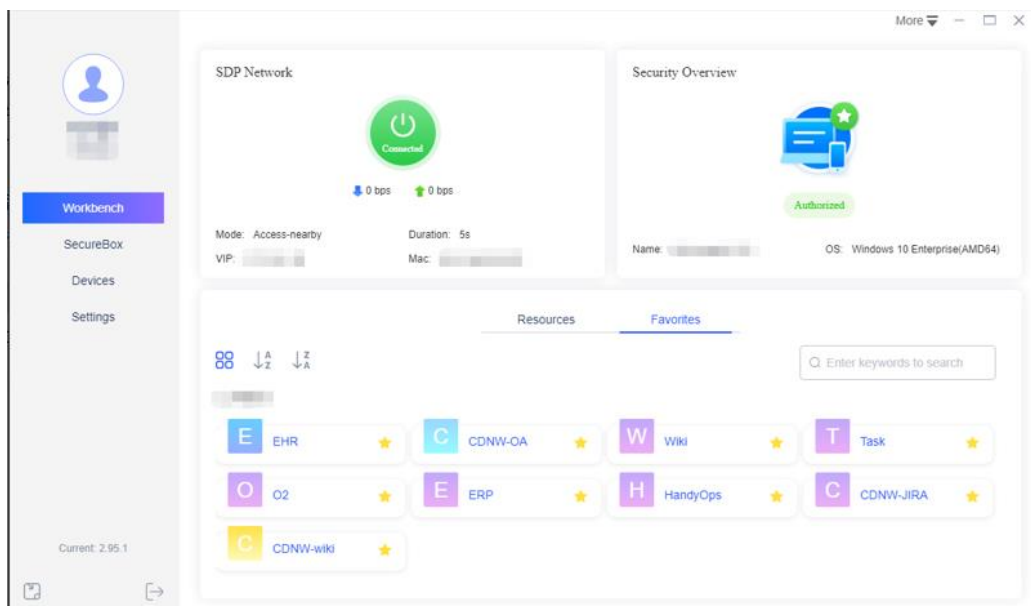
- d) If your administrator has enabled SMS verification, you will need to key in the **SMS verification code**; If not, please ignore this step.



- e) If your administrator has enabled TOTP authentication, you will need to key in the **TOTP verification code**; About how to use TOTP authentication, please refer to: [TOTP Authentication](#).. If not, please ignore this step.

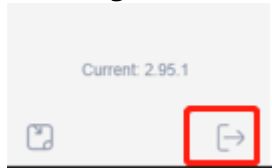


- f) After login, your user status will become **Online**, and you will see the **Resources** page. Click on the resource icon, you will be able to visit the enterprise resources via your default browser.

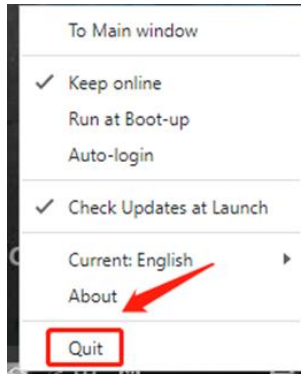


2) Logout

- a) Click **Log out** on left bottom. You will be redirected to the **Login** page.



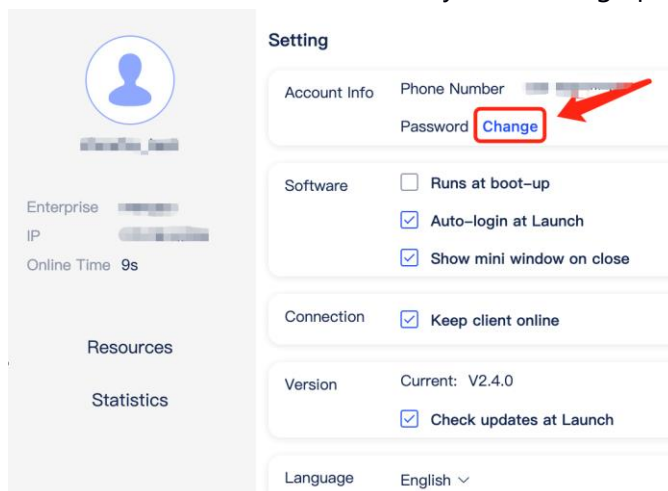
- g) To quite the application, right click the application icon in the system tray, and click **Quit**.



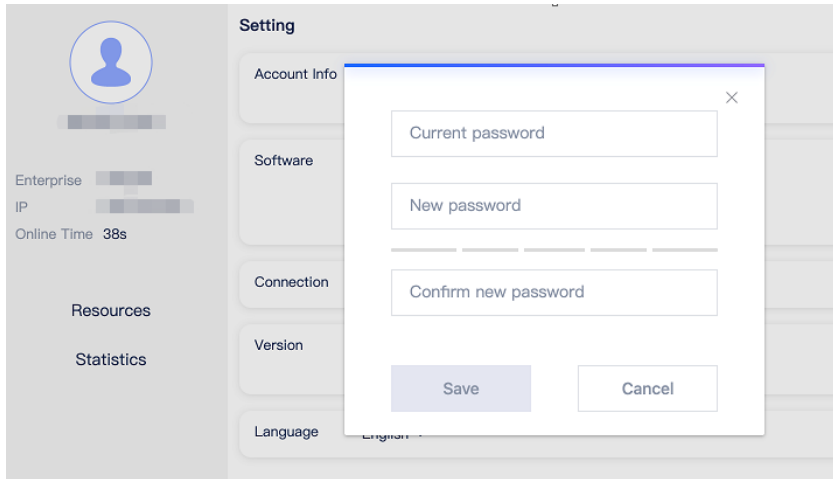
2.2.3 Change and reset password

1) Change password (Logged in)

- a) Click **Settings->Change**. If you don't find the option, it means your administrator does not allow you to change password by yourself.



- b) Enter Current password and New password, and click Save. The password is then changed. If you are not able to do this, maybe because your IT administrator has blocked your permission to change password.



2) Reset password (Not logged in)

- a) Click Forgot Password, and choose to use your phone or email to reset the password. Take the phone as an example.

A login form with a 'Password' input field, a 'Remember me' checkbox (checked), and an 'Auto-login' checkbox (unchecked). Below the checkboxes is a 'Log In' button. At the bottom, there are two links: 'Switch Enterprise' and 'Forgot Password', which is highlighted with a red rectangular border.

- b) Enter your **Enterprise ID, Phone Number**, and then click **Send**.

A form for mobile number verification. It has two tabs: 'Mobile Phone' (selected) and 'E-mail'. The text 'Step1: Mobile number verification' is displayed. There is an 'Enterprise ID' input field containing the text 'alex'. Below it is a dropdown menu showing '65' and a 'Send' button. At the bottom, there are six empty square boxes for a verification code and a 'Continue' button. A 'Login Page' link is at the very bottom.

- c) Enter SMS verification code, click **Continue**. This code is valid for 10 minutes.
d) Enter New password, confirm the New password, and click Continue. The password is then reset successfully.

Step2: Create a new password

Account: [blurred]

Enter new password
..... [eye icon]

Confirm new password
..... [eye icon]

[Continue](#)

[Return Login Page](#)

2.2.4 Switch language and check for update

Go to **Settings** to change language and check for update

Settings

Account Info Mobile Number [blurred]
E-mail [blurred]
Password [Change](#)

Software Run at boot-up
 Auto-login at Launch
 Show mini window on close

Connection Keep client online

Secure Workspace Clean up secure domain cache data [Clean up now](#)

Version Current: V2.95.1 [Check updates](#)

Language [English](#)

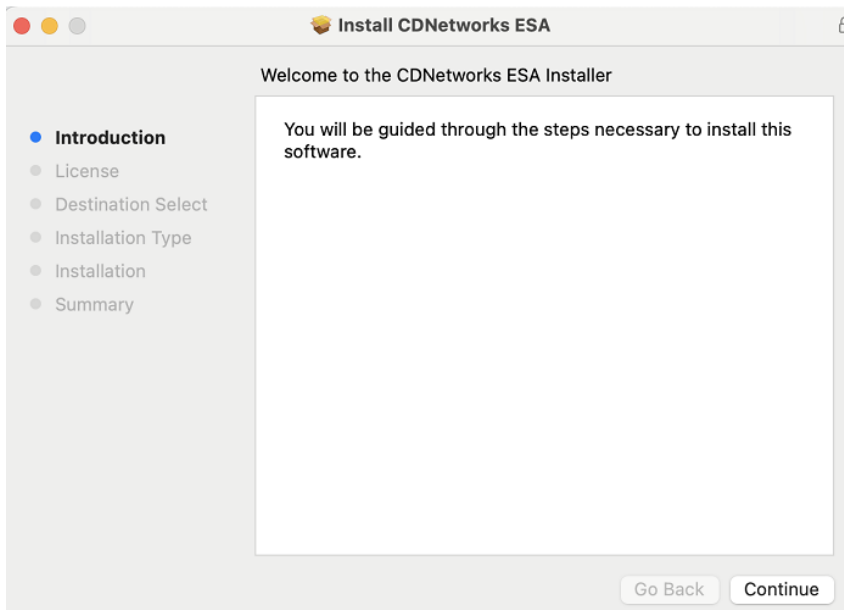
2.3 macOS User Guide

2.3.1 Install macOS application

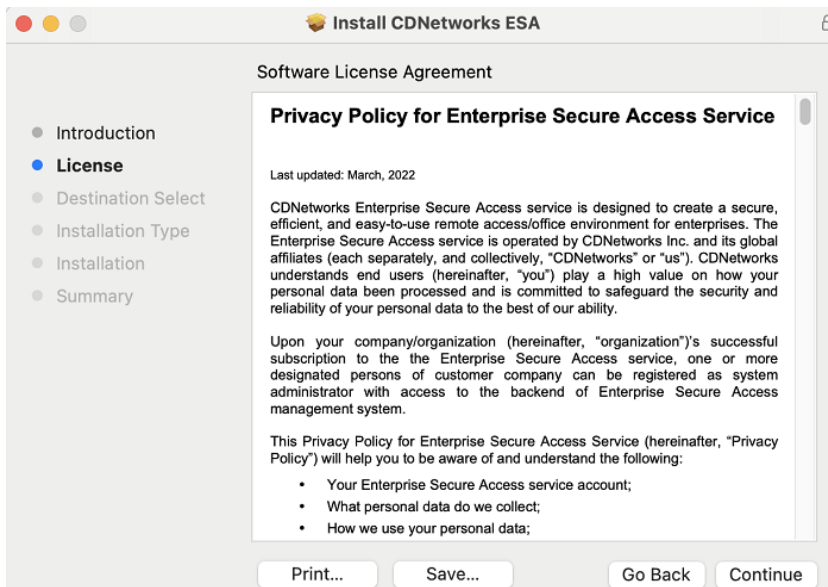
1) Double click the ESA-mac.pkg file you have downloaded.

Name	Date modified	Type	Size
CDNetworks ESA-2.20.0-204-2040-mac.p...	19/04/2023 15:14	PKG File	102,304 KB

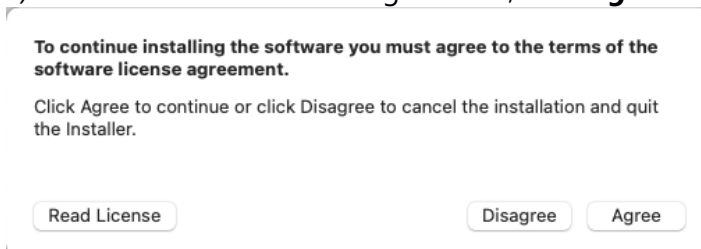
a) For the introduction page, click **Continue**.



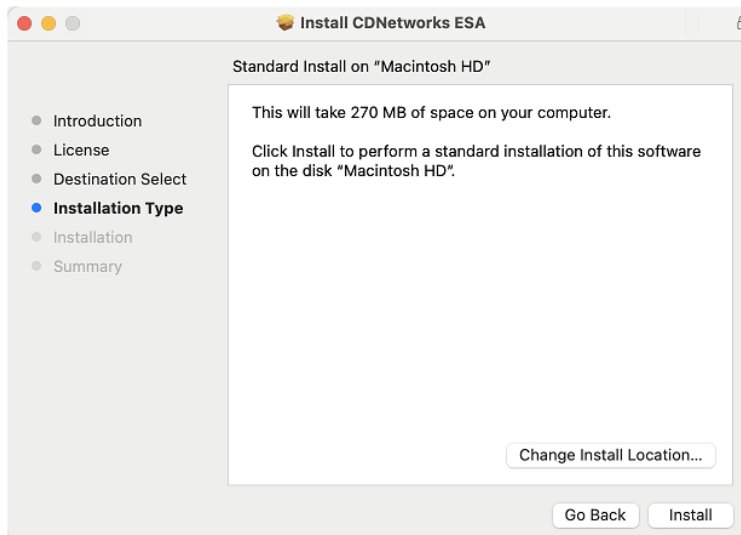
b) For the **Privacy terms**, Click **Continue**.



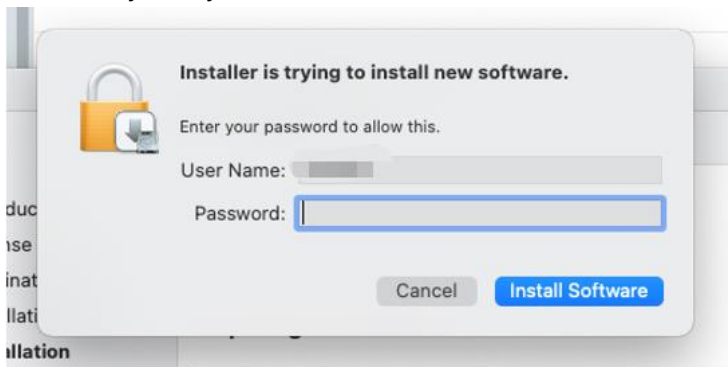
c) For the software license agreement, click **Agree**.



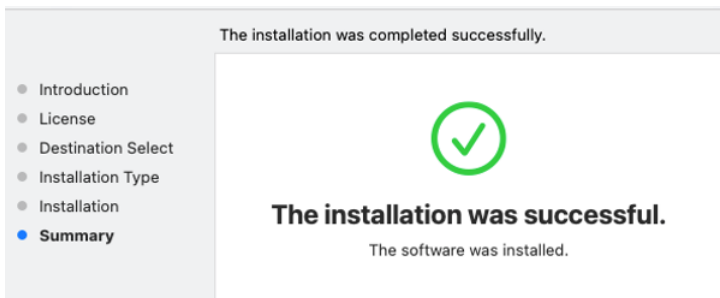
d) For the installation type, click **Install**.



e) Enter your system **User Name** and **Password**, and click **Install Software**.

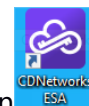


f) For the summary page, click **Close**.

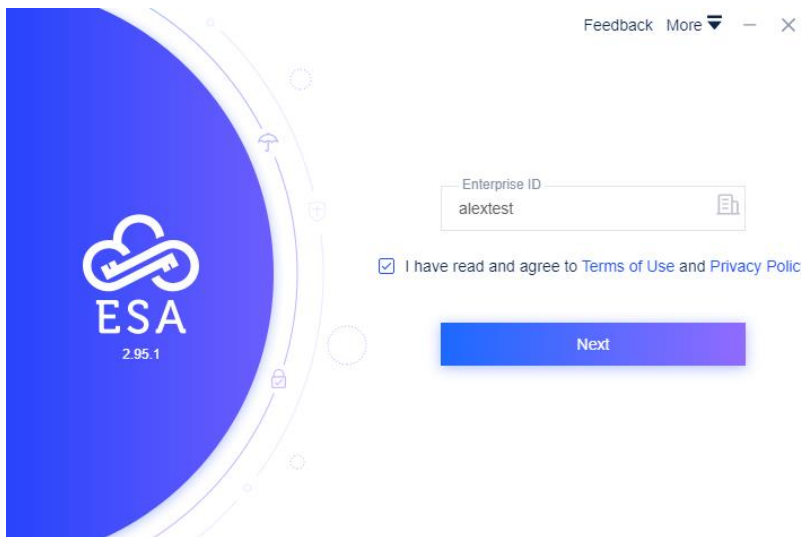


2.3.2 Login and logout

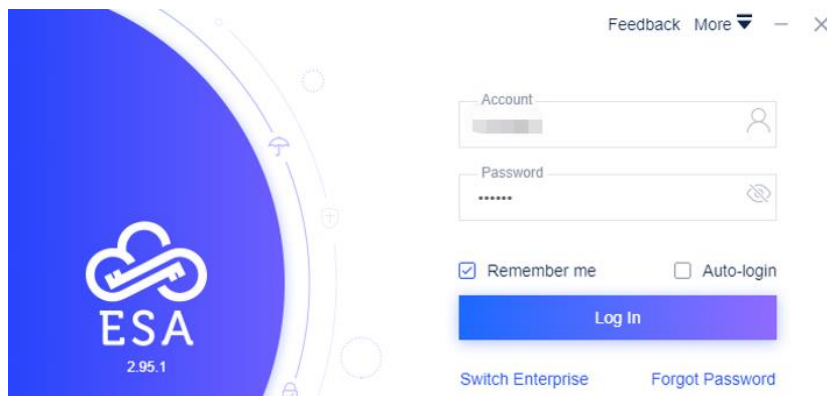
1) Login



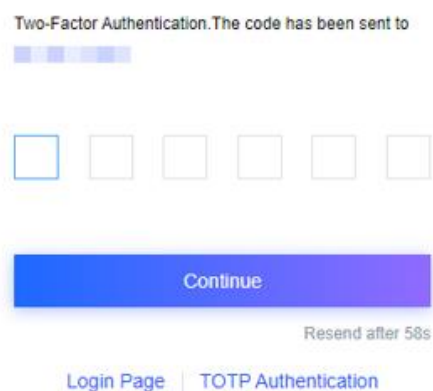
- Open the Mac Launchpad, and click on the ESA shortcut icon
- Key in Enterprise ID provided by your administrator. It is case sensitive



- c) Key in account and password provide by your administrator.
- Tick **Remember me** to remember the password for future logins.
 - Tick **Auto-login** to get automatically logged in when you run the application.



- d) If your administrator has enabled SMS verification, you will need to key in the **SMS verification code**; If not, please ignore this step.



- e) If your administrator has enabled TOTP authentication, you will need to key in the **TOTP verification code**; About how to use TOTP authentication, please refer to: [TOTP Authentication](#). If not, please ignore this step.

[< Back](#)

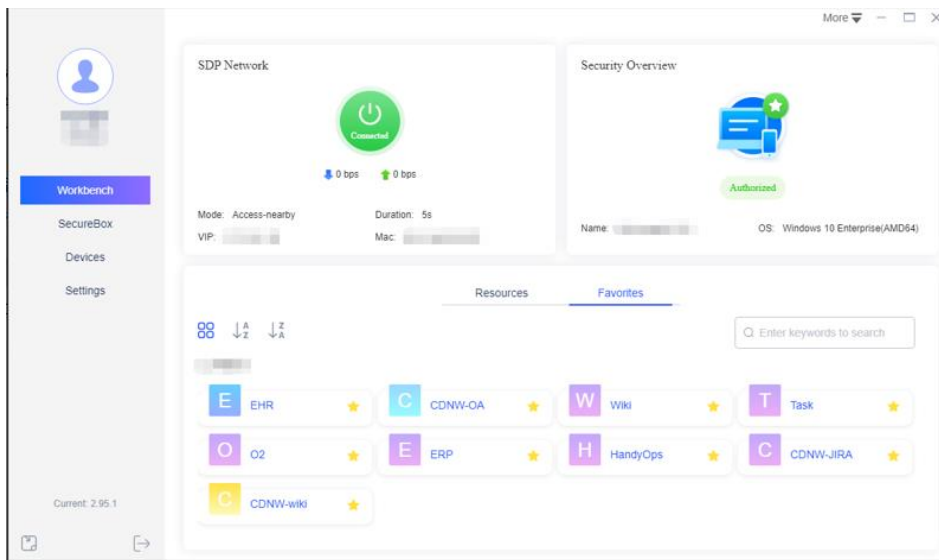
Input TOTP verification code

Continue

[SMS 2FA](#) | [TOTP User Guide](#) | [Reset TOTP Key](#)

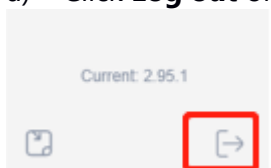
- f) After login, your user status will become **Online**, and you will see the **Resources** page.

Click on the resource icon, you will be able to visit the enterprise resources via your default browser.

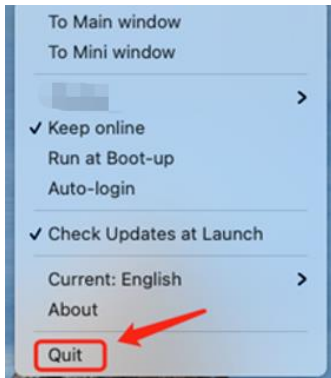


2) Logout

- a) Click **Log out** on left bottom. You will be redirected to the **Login** page.



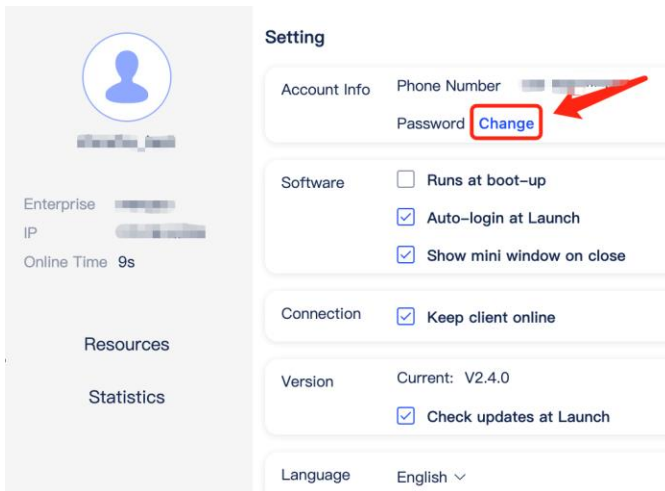
- b) To log out, right click the application icon in the system tray, and click **Quit**.



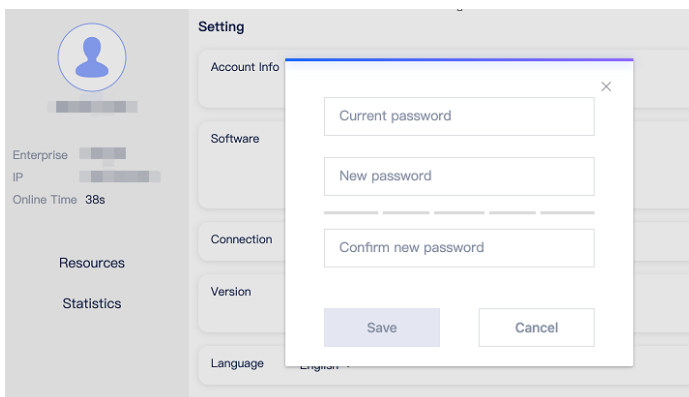
2.3.3 Change and reset password

1) Change password (Logged in)

a) Click **Settings->Change**




b) Enter **Current password** and **New password**, and click **Save**. The password is then changed. If you are not able to do this, maybe because your IT administrator has blocked your permission to change password.



2) Reset password (Not logged in)

- a) Click **Forgot Password**, and choose to use your phone or email to reset the password. Take the phone as an example.

Password 

Remember me Auto-login

Log In

[Switch Enterprise](#) [Forgot Password](#)

- b) Enter your **Enterprise ID, Phone Number**, and then click **Send**.

Mobile Phone E-mail

Step1: Mobile number verification

Enterprise ID
alex

65 Mobile Number Send


Continue


[Login Page](#)

- c) Enter the **SMS verification code**, click **Continue**. This code is valid for 10 minutes.
- d) Enter **New password**, confirm the **New password**, and click **Continue**. The password is then reset successfully.

Step2: Create a new password

Account:

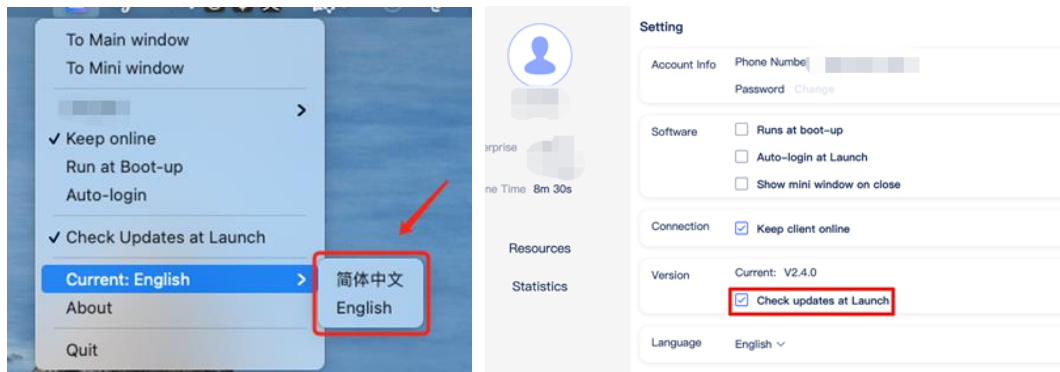
Enter new password
..... 

Confirm new password
..... 

Continue

[Return Login Page](#)

2.3.4 Switch language and check for update



2.4 iOS/Android User Guide

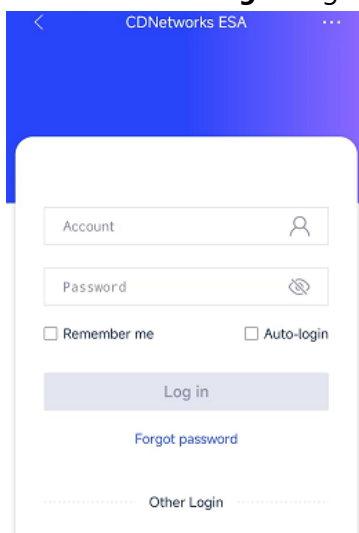
2.4.1 Download and install application

Follow the installation instruction to install the application.

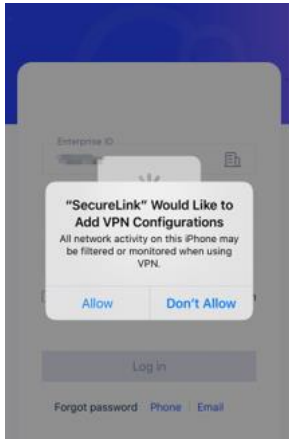
2.4.2 Login and logout

1) Login

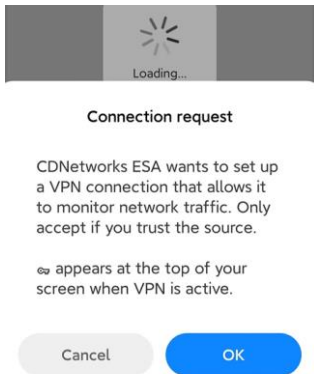
- a) Click on the ESA application icon, and the **Privacy Terms** will appear. Click **Agree** to access the login page. Otherwise, exist the app.
- b) In login page, enter **Enterprise ID, Account, Password**, and click **Log In**.
 - Tick **Remember me** to remember the password for future logins.
 - Tick **Auto-login** to get automatically logged in when you run the application.



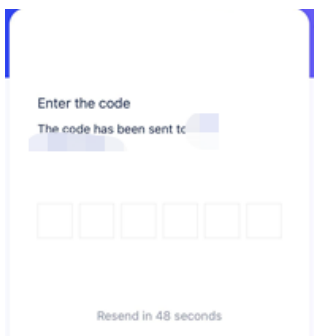
- c) **For iOS users:** Click **Allow**, then enter your iPhone passcode to add VPN configurations.



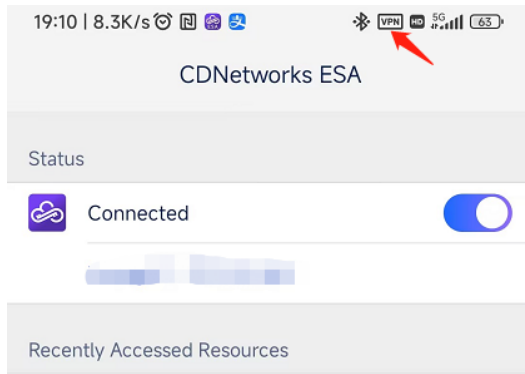
For Android users: confirm VPN connection in the pop-up window



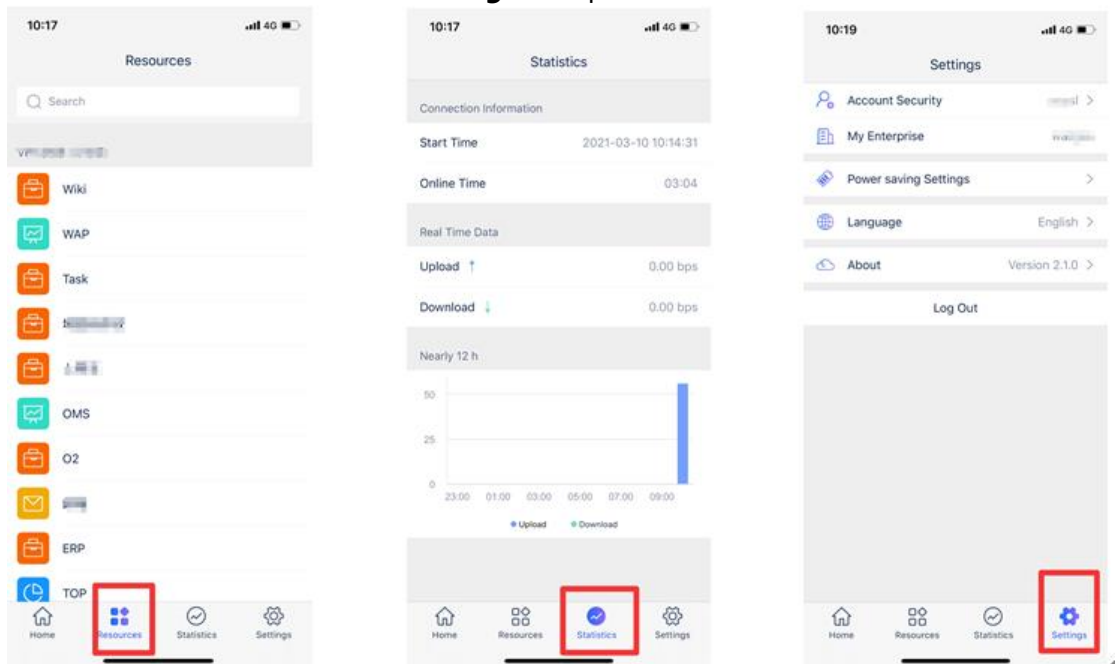
- d) If your enterprise administrator has enabled SMS verification, you will need to enter the **SMS verification code**. Otherwise, please ignore this step.



- e) After login in, you will see the VPN icon on top and your status is **Connected**.

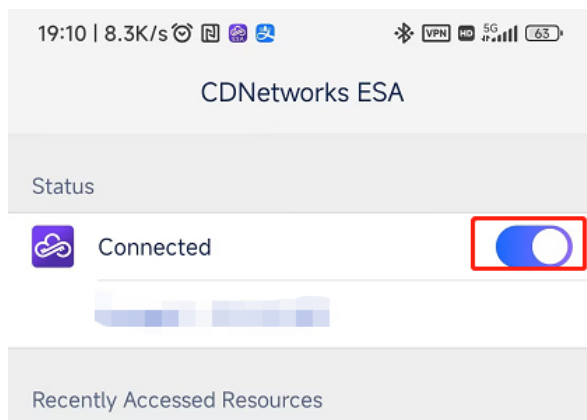


f) Click **Resource**, **Statistics** and **Settings** to explore more features

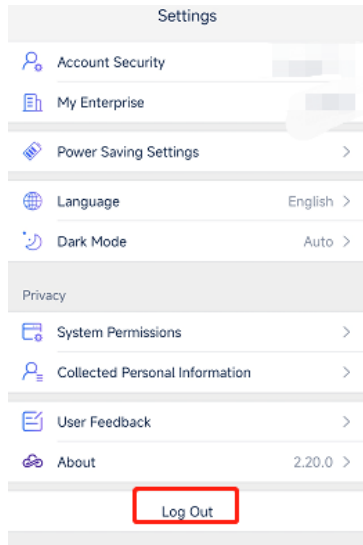


2) Disconnect & logout

a) In the **Home** page, click the on-off switch to disconnect the current account.



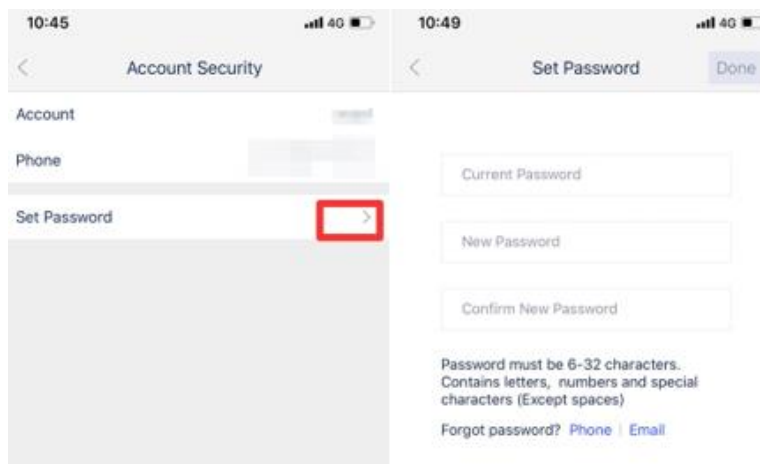
b) In the **Settings** page, click **Log Out** to exist the current account and return to the login page.



2.4.3 Change and reset password

1) Change password (Logged in)

- a) Click **Settings** -> **Account Security** -> **Set Password**
- b) Enter the **Current Password**, the **New Password**, confirm the **New Password**, and click **Done**. The password change is then completed.



2) Reset password (Not logged in)

- a) Click the icon of phone or email on the page of **Forgot Password**.
- b) Enter your **Enterprise ID, Phone Number/Email Address**, and click **Get Code**.

10:52 4G

Reset password via SMS.

Enterprise ID

+86 Phone

Get Code

10:53 4G

Reset password via e-mail.

Enterprise ID

Email

Get Code

- c) Key in the SMS/email verification code sent to your phone or email, and you will enter the password reset page.
- d) Enter the **New Password**, confirm the **New Password**, and click **Done**. The password reset is then completed.

Enter the code

The code has been sent to

Change Phone Number | Return Login Page

Create a new password

Password must be 6-32 characters. Contains letters, numbers and special characters (Except spaces)

New Password

Confirm New Password

Done

2.4.4 Switch language and check for updates

Settings

- Account Security
- My Enterprise
- Power Saving Settings >
- Language English >
- Dark Mode Auto >
- Privacy
- System Permissions >
- Collected Personal Information >
- User Feedback >
- About 2.20.0 >

Log Out

2.5 Linux User Guide

2.5.1 Client Installation

- 1) Send installation file to Linux system, and enter file path.

```
cd path (installation path)
```

- 2) Unzip the ESA installation packet.

```
tar -zxvf SLP1689290824820129_CDNetworkskESA_2.21.0-89_rpm_release.tar.gz (file name)
```

```
[ ~]# tar -zxvf SLP1689290824820129_CDNetworkskESA_2.21.0-89_rpm_release.tar.gz
CDNetworkskESA_2.21.0-89_rpm_release/
CDNetworkskESA_2.21.0-89_rpm_release/install.sh
CDNetworkskESA_2.21.0-89_rpm_release/CDNetworkskESA-2.21.0-89.x86_64.rpm
```

- 3) Switch to ESA installation path.

```
cd CDNetworkskESA_2.21.0-89_rpm_release (switch to the unzipped ESA file path)
```

- 4) Execute installation command.

```
sh install.sh install
```

```
[ ~]# tar -zxvf SLP1689290824820129_CDNetworkskESA_2.21.0-89_rpm_release.tar.gz
CDNetworkskESA_2.21.0-89_rpm_release/
CDNetworkskESA_2.21.0-89_rpm_release/install.sh
CDNetworkskESA_2.21.0-89_rpm_release/CDNetworkskESA-2.21.0-89.x86_64.rpm
[ ~]# cd CDNetworkskESA_2.21.0-89_rpm_release/
[ CDNetworkskESA_2.21.0-89_rpm_release]# sh install.sh install
```

- 5) ESA client installed successfully

```
Complete!
stop CDNetworkskESA service
Preparing... ##### [100%]
Updating / installing...
 1:CDNetworkskESA-2.21.0-89 ##### [100%]
install success
```

2.5.2 User login and logout

- 1) Switch default language to English

```
vi /usr/local/CDNetworkskESA/config/securelink.conf
```

```
{
  "lang": "en",
  "port": 8234,
  "serveraddr": "https://sheetaapi.wangsu.com"
}
```

2) Execute following command to start ESA client and login the account

```
service CDNetworkskESA start
```

Enter Enterprise ID, username/password of the user account, enter TFA code if you have configured to login.

```
[redacted ~]# service CDNetworkskESA start
starting CDNetworkskESA...
Enter Enterprise Id:
[redacted]
Enter Username:
[redacted]
Enter Password:
Do you want to store account and password locally?
[Y/N]:N
*****
Login...
2023-08-28 10:28:12.785
Need two-factor authentication.
Please complete the tow-factor authentication within ten minutes!!!!

You can choose one of the following authentication methods to verify:
    1. SMS Auth
    2. TOTP Auth
Select:1

2023-08-28 10:28:37
The code has been sent to [redacted]
2023-08-28 10:28:37
Please enter SMS code[Resend after 60s]: 611815
Validate SMS code successfully.
2023-08-28 10:29:12

Login successfully.
Query login status command: /etc/init.d/CDNetworkskESA status
```


2.5.3 Access to the resources

On ESA Console, make sure you've granted the resource permission to the account.

< CDNetworks Website Details

Resource Info Permission Info

Authorize to User Groups [Edit](#)

User Group	Operation
	

Authorize to Users [Edit](#)

User	Parent group	Operation
test	Default /	Remove

Previous 1 Next 10/page

Execute following command to query if you have permission to access the resource

```
curl -I URL (the URL of the resource)
```

```
[root@sdwan-elaine ~]# curl -I www.cdnetworks.com
HTTP/1.1 302 Moved Temporarily
Date: Mon, 28 Aug 2023 02:08:26 GMT
Content-Type: text/html
Content-Length: 138
Connection: keep-alive
Cache-Control: no-store
Location: http://www.cdnetworks.com/
alt-svc: h3=":443";ma=2592000
X-Hello-Human: If you want to work with us, please send e-mail to jobs at cdnetworks dot com or @CDNetworks on Twitter.
Server: FWS/8.3.1.0.8
Set-Cookie: HMF_CI=9acd596b00014a99876ec5740825c76490b6992694e8918471aad3c968ac206280a0187b190f5e5b8e1a1831603b07b1f24b5d5be42e09661f9ce07abc85fbd50b; Expires=Wed, 27-Sep-23 02:08:26 GMT; Path=/
```

2.5.4 User logout

Execute following command to stop ESA service. Status [OK] means logout successfully.

```
service CDNetworksESA stop
```

```
[root@sdwan-elaine ~]# service CDNetworksESA stop
shutting down CDNetworksESA... [ OK ]
```