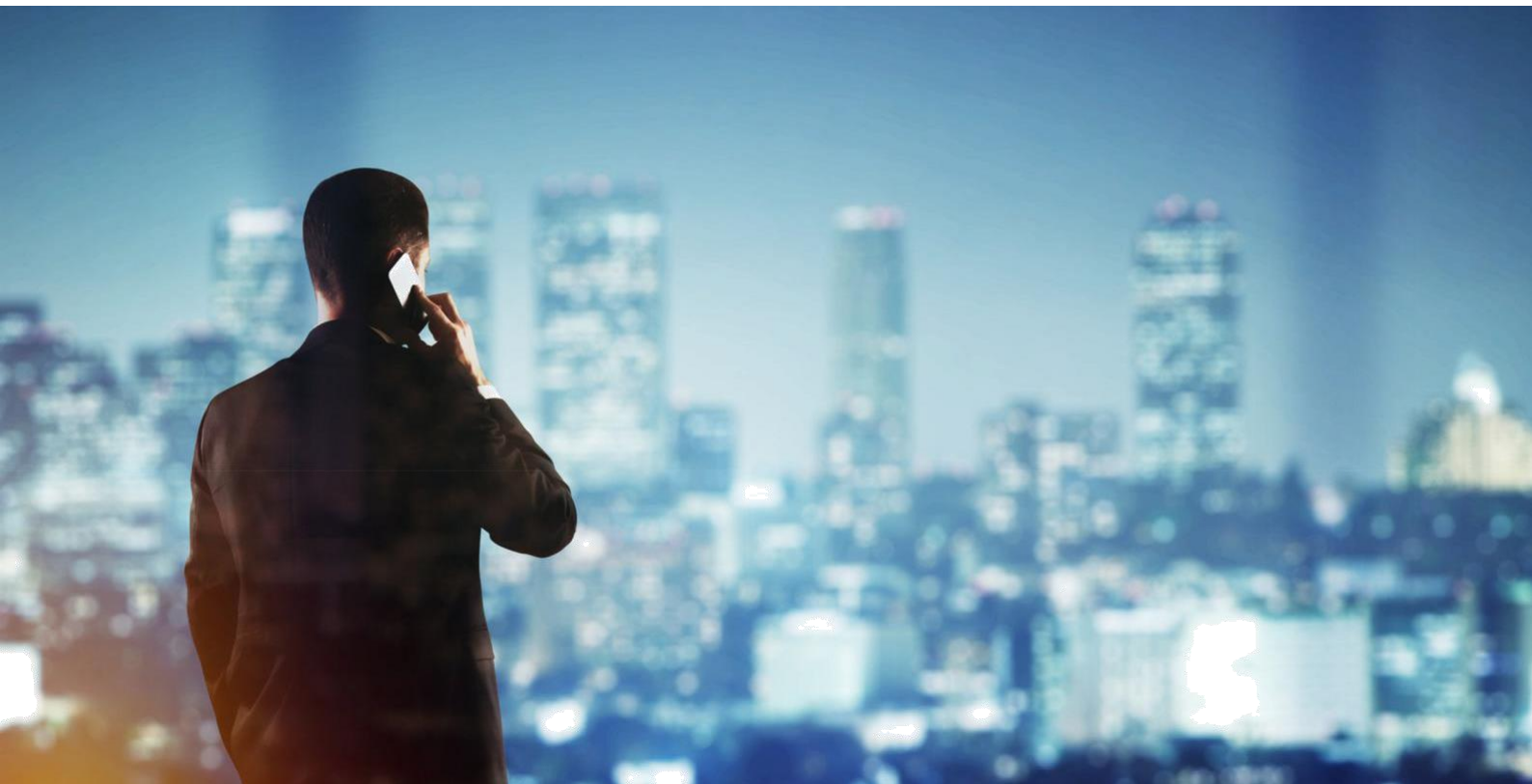


Alcatel-Lucent Enterprise

EDS Enterprise User Manual



Alcatel Lucent Enterprise SIP Devices

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1 Introduction

1.1 General Description

EDS (Easy Deployment Server) is a deployment server which provides the possibility for ALE SIP devices to connect to the provision server or get pre-configured. It has a web based interface for the user to manage corresponding functionality.

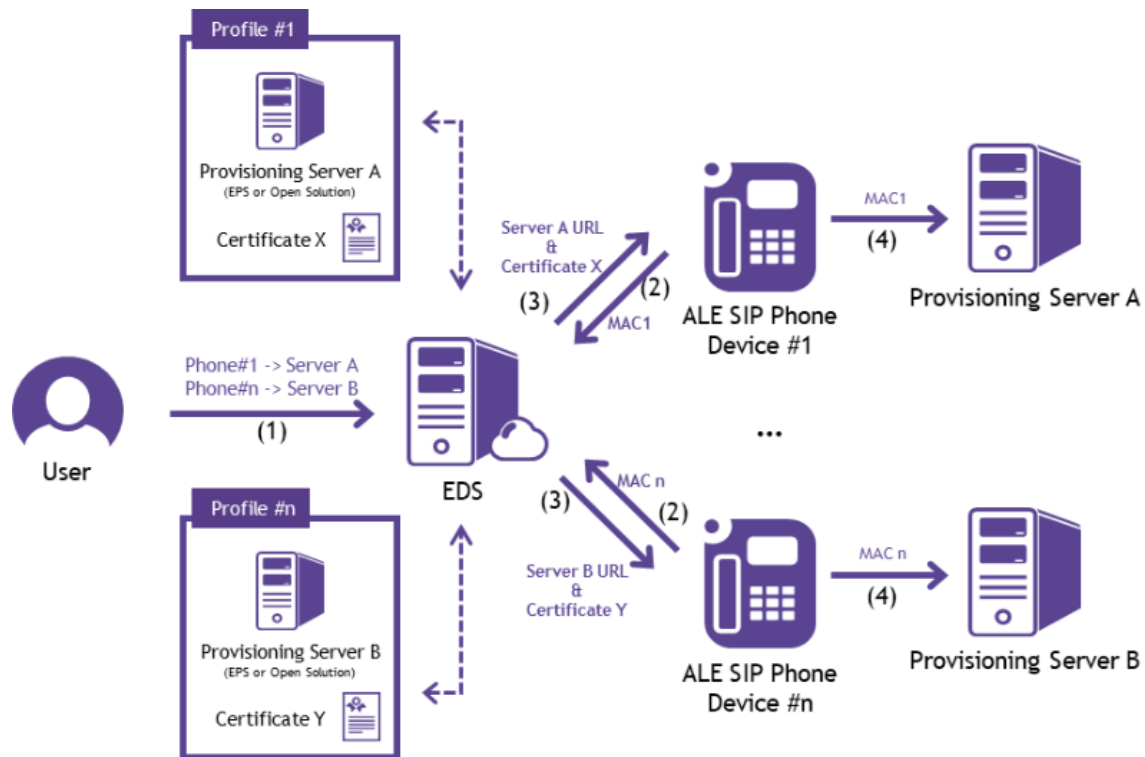
Besides using EDS as a direct deployment server to make ALE devices get pre-configured, the user needs to input the provision server address for the device to connect 3rd provision server. If the server is SSL/TLS based, a certificate is also needed. The MAC address of SIP device is associated with provisioning server address and certificate. When the SIP devices connect to EDS server, it can acquire provision server information from it and download config file from provision server automatically.

For more details about pre-configure feature, please find Pre-Configure Area under Chapter 5. Profile Management.

1.2 Abbreviations & Glossaries

EDS	Easy Deployment Server
REST	Representational State Transfer
API	Application Interface
BP	Business partner
BiZ	Business

1.3 Global Architecture



1. Register MAC and server address which want to connect
2. Phone carries MAC and connects to EDS
3. Redirection to provisioning server
4. Phone connects to Provisioning server

2 Enterprise User Management

2.1 Registering Enterprise User

There are two approaches to register new enterprise user account:

2.1.1 Via ALE Administrator

The URL of EDS is <https://admin.eds.al-enterprise.com> . Users can click the “**Sign Up**” button in EDS web page, then filling below info to apply for an account.

- company name
- country area
- contact
- email
- phone number (optional)
- remark(optional)

Easy Deployment Server

Mail/User name

Password

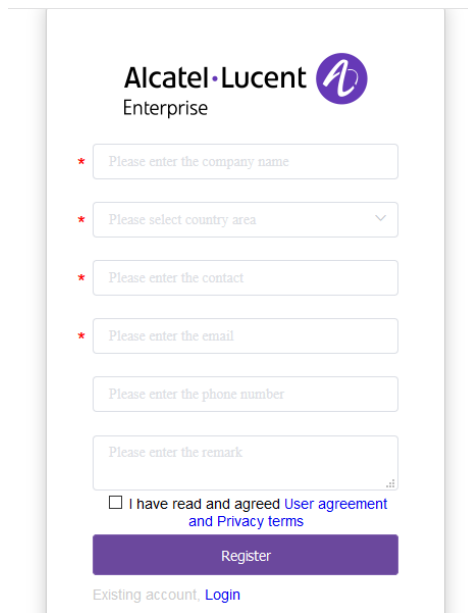
Sign Up Forgot Password

Login

English ▼

☒ Privacy Policy Feedback Documents

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The image shows a registration form for Alcatel-Lucent Enterprise. At the top, the Alcatel-Lucent logo and 'Enterprise' text are displayed. Below this, there are several input fields, each preceded by a red asterisk indicating a required field. The fields are: 'Please enter the company name', 'Please select country area' (a dropdown menu), 'Please enter the contact', 'Please enter the email', 'Please enter the phone number', and 'Please enter the remark'. Below the 'Please enter the remark' field is a checkbox with the text 'I have read and agreed User agreement and Privacy terms'. At the bottom of the form is a large purple button labeled 'Register'. Below the button, there is a link for 'Existing account Login'.

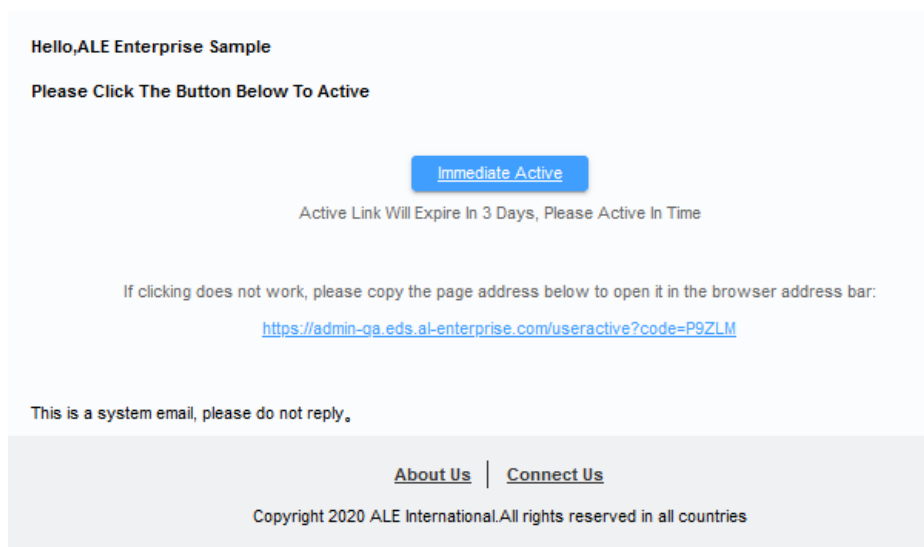
Once users click the **“Register”** button, ALE administrator will receive the registering email.

2.1.2 Via Channel User

Users could directly apply an enterprise user account from channel user by providing following info:

- company name
- country area
- contact
- email
- phone number (optional)
- remark(optional)

An activation email will be sent back to user to complete the registration once approved by ALE administrator or Channel user.



2.2 Enterprise User Login

After clicking the “**Immediate Active**” button or putting the activation link into the browser address bar for first login, users will be asked to create a username and then set the password immediately.

The username is **NOT** allowed to be duplicated.

The password must be 8 to 20 characters with at least 3 of total 4 types, including capital letter, small letter, digit and special character.

ACTIVATE USER

User name

Password

Confirm Password

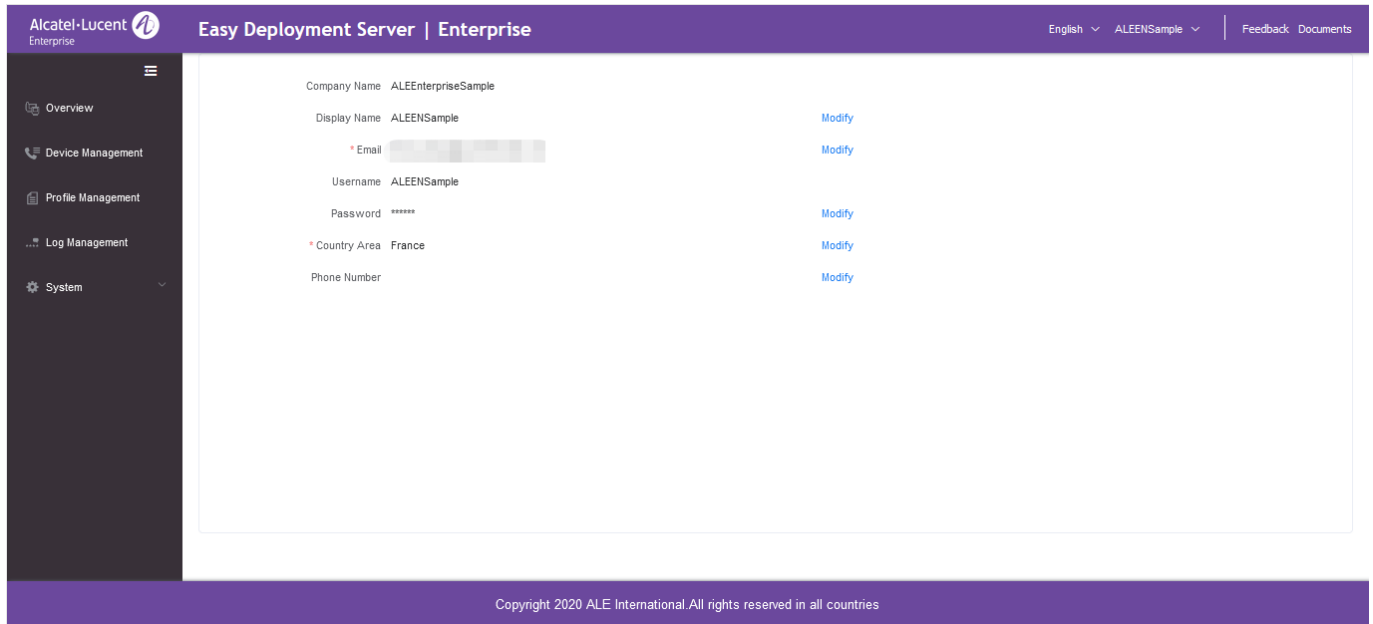
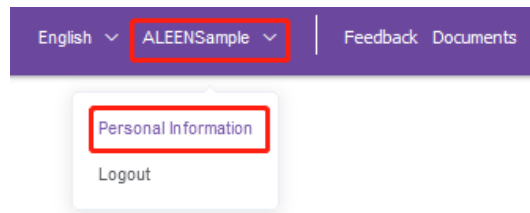
ACTIVATE USER

After completing the registration, users can log in the EDS server. The URL of EDS is:

[https:// admin.eds.al-enterprise.com](https://admin.eds.al-enterprise.com)

2.3 Enterprise User Information Modify

Click on the button under username, there is a menu for user operation. Click “Personal Information” to modify user information.

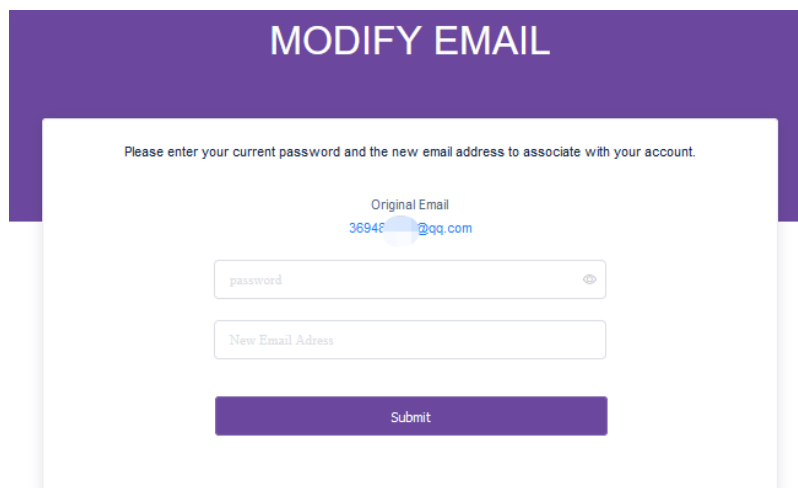


Display Name could be modified and only readable under this user interface.

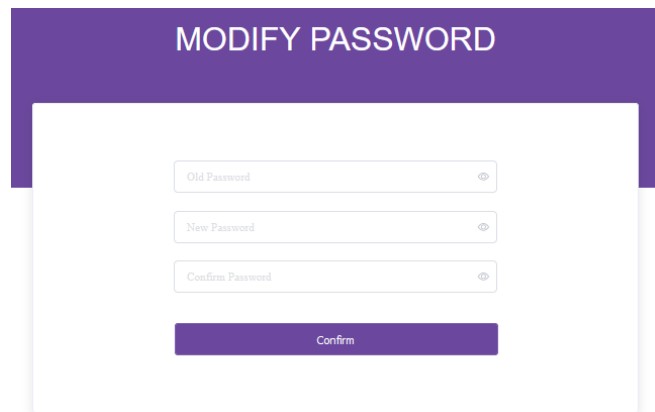
Country Area can be simply modified and save.

Phone Number can be simply modified and save.

Email could be modified only if user enters correct password, see screenshot below.



Password could be modified only if user enters correct old password, see screenshot below.

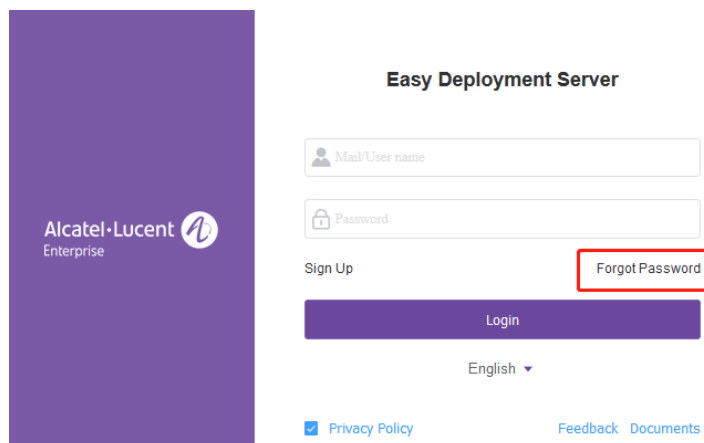


A screenshot of a web form titled "MODIFY PASSWORD". The form is white with a purple header bar. It contains three input fields: "Old Password", "New Password", and "Confirm Password", each with a toggle icon on the right. Below the fields is a purple button labeled "Confirm".

2.4 Forget Enterprise User Password

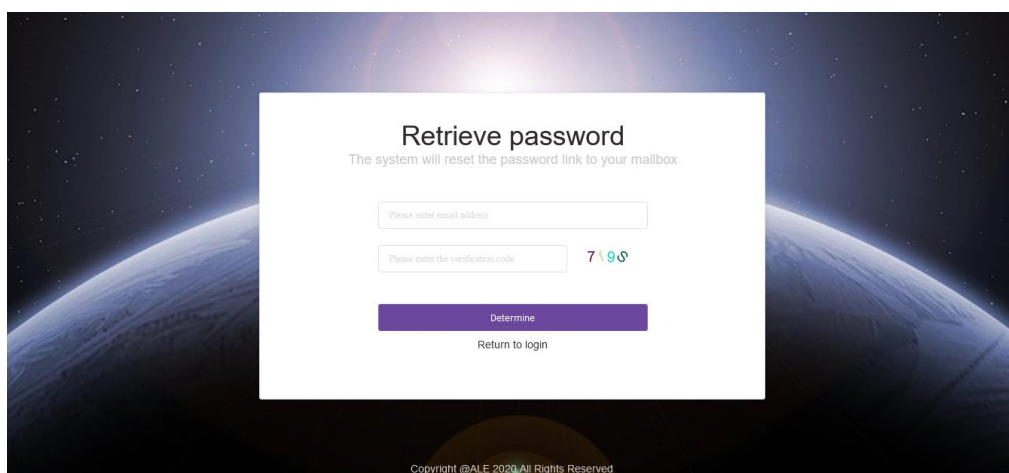
If the user forgets the password, it can be retrieved back by applying a **"Forget Password"** request on EDS server. Here are the two steps of resetting the password.

- If the password is forgotten, please enter the username, and then click **"Forget Password"**.



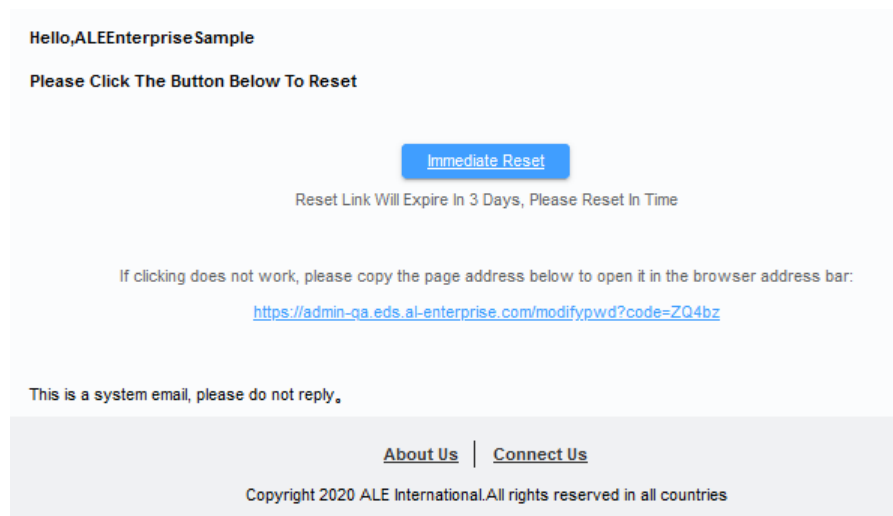
A screenshot of the "Easy Deployment Server" login page. The page has a purple sidebar with the Alcatel-Lucent Enterprise logo. The main content area is white and contains a login form with fields for "Mail/User name" and "Password". Below the fields are buttons for "Sign Up", "Forgot Password" (highlighted with a red box), and "Login". There is also a language dropdown menu set to "English" and links for "Privacy Policy", "Feedback", and "Documents".

- The EDS server will be redirected to a reset password page:



A screenshot of the "Retrieve password" page. The page has a dark background with a space-themed image of Earth from space. A white modal box is centered on the page. The modal box contains the title "Retrieve password" and the text "The system will reset the password link to your mailbox". Below this are two input fields: "Please enter email address" and "Please enter the verification code". To the right of the second field is a CAPTCHA image showing the numbers "7 9 5". Below the fields is a purple button labeled "Determine". At the bottom of the modal box is a link that says "Return to login". At the very bottom of the page, there is a small copyright notice: "Copyright @ALE 2020 All Rights Reserved".

- An email with the reset password link will be sent to the preconfigured email address:

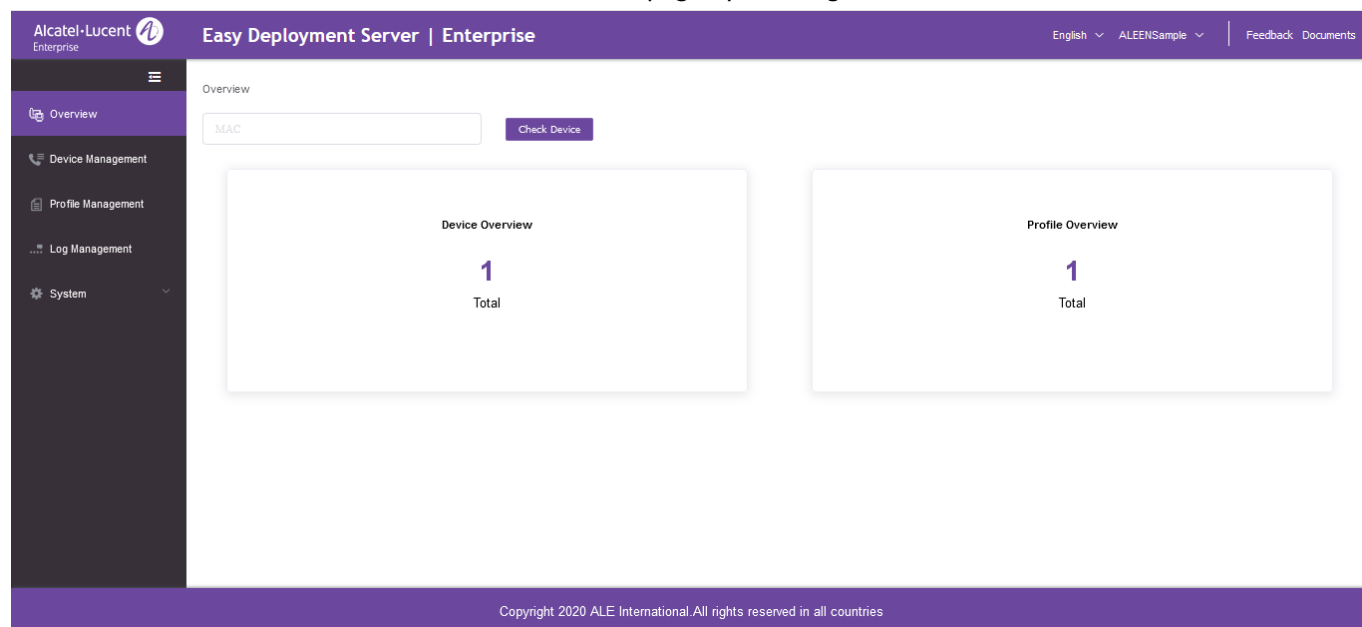


- Click the **“Immediate Reset”** button or putting the reset password link into the browser address bar, then reset the password complying password rule. Once password reset is successful. Users can login EDS normally with the new password.

The screenshot shows a web form titled "RESET PASSWORD" in a purple header. The form has a white background and a purple border. It contains three input fields: "User name", "Password", and "Confirm Password". Each field has a small eye icon to its right. Below the input fields is a purple button with the text "ACTIVATE USER".

3 Overview

Users could check status of each device from Overview page by entering MAC address.



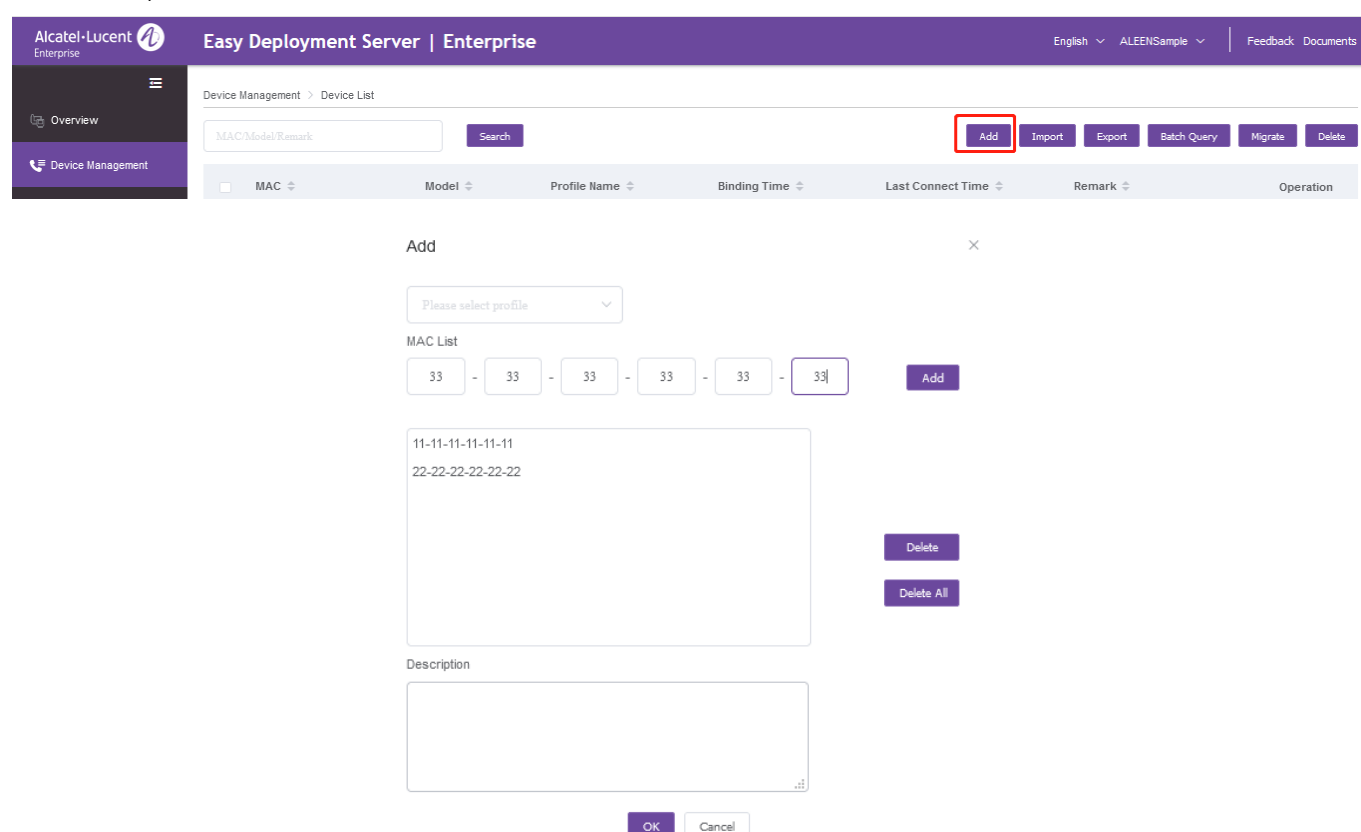
There are 4 check results:

- A. If the device is not yet added by any enterprise user, it will show **“Device does not exist”**
- B. If the device is added by current enterprise user, and bound with one Profile, it will show **“Device Bound”**
- C. If the device is added by current enterprise user, but not yet bound with one Profile, it will show **“Device Unbound”**
- D. If the device is added on the EDS server, but not by current enterprise user, it will show **“Device has been bound by other enterprise”**

4 Device Management

4.1 Add New Device

The enterprise user could add new device by click **“Device Management”** → **“Add”** button, and input corresponding information, and then click **“OK”**.

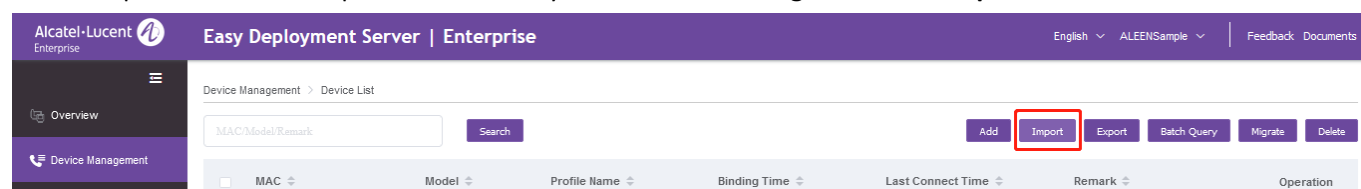


Here we allow enterprise user to add multiple devices at the same time, and all the pre-added devices could be seen over the MAC list as shown above.

If there is a failure, please double check the MAC address you entered, or contact ALE support for double check.

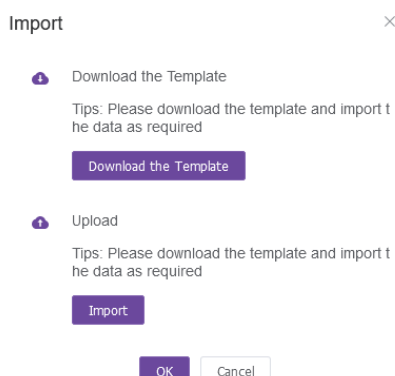
4.2 Import New Device

The enterprise user could import new device by click **“Device Management”** → **“Import”** button.



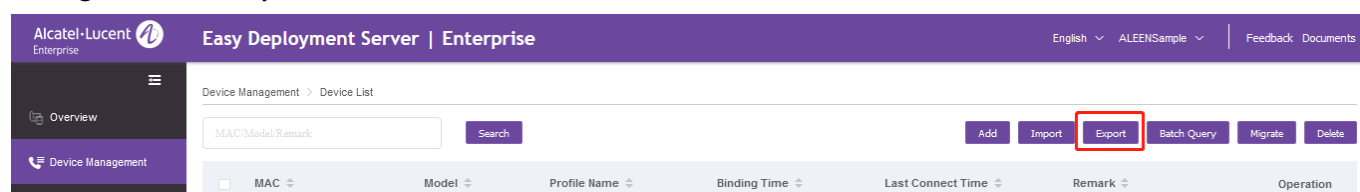
The template could be downloaded from the path above.

Once information is added on the template, you could import it by click **“Import”** button, and then click **“OK”**.



4.3 Export Device

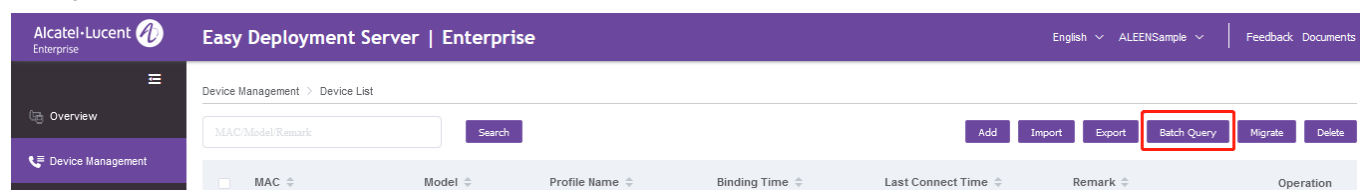
The enterprise user could export the device to check the detail of all devices under this account by click **“Device Management”** → **“Export”** button.



The file will be saved in your local system.

4.4 Batch Query Device

The enterprise user could check the status for certain MAC addresses by click **“Device Management”** → **“Batch Query”** button.



There are two approaches to batch query the device:

A: Direct input the MAC addresses, and separate them by symbol; and no need space in between.

B: Import **the template**, the template could be downloaded from the path above.

Once information is added on the template, you could import it by click **“Import”** button, and then click **“OK”**.

Batch Query ×

Download the Template

Tips: Please download the template and import the data as required

Download the Template

Upload

Tips: Please download the template and import the data as required

Import

Tips: Please input MAC addresses, use ; symbol to separate them.

Please Enter MAC addresses

OK Cancel

4.5 Migrate Device

The enterprise user could select certain devices and migrate them from one profile (could also be empty) to the other by click **“Device Management”** → **“Migrate”** button, after target profile to be select, click **“OK”**.

NOTE: Before you click **“Migrate”** button, please make sure at least one device is selected.

Alcatel-Lucent Enterprise Easy Deployment Server | Enterprise English ALEENSample Feedback Documents

Device Management > Device List

MAC/Model/Remark Search
Add Import Export Batch Query **Migrate** Delete

<input type="checkbox"/>	MAC	Model	Profile Name	Binding Time	Last Connect Time	Remark	Operation
<div>Migrate Device ×</div> <div>* Profile Name <div>Please Select Profile Name</div></div> <div> OK Cancel </div>							

4.6 Delete Device

The enterprise user could delete certain devices by click **“Device Management”** → **“Delete”** button.

NOTE: Before you click **“Delete”** button, please make sure at least one device is selected.

Alcatel-Lucent Enterprise Easy Deployment Server | Enterprise English ALEENSample Feedback Documents

Device Management > Device List

MAC/Model/Remark Search
Add Import Export Batch Query Migrate **Delete**

<input type="checkbox"/>	MAC	Model	Profile Name	Binding Time	Last Connect Time	Remark	Operation
<div>And click “OK” before deleting for double confirm.</div>							

Tips



Are you sure to delete? The data cannot be restored if deleted.

Cancel

OK

4.7 Editing Device

The enterprise user could directly click **“Edit”** for one device, and migrate the profile or change the remark.

Alcatel-Lucent Enterprise Easy Deployment Server | Enterprise English ALEENSample Feedback Documents

Device Management > Device List

MAC/Model/Remark Search Add Import Export Batch Query Migrate Delete

	MAC	Model	Profile Name	Binding Time	Last Connect Time	Remark	Operation
<input type="checkbox"/>	12-34-56-74-89-74	--	--	--	--	--	Edit

After information modified, click **“OK”**.

Edit Device

MAC 12-34-56-74-89-74

Profile Name

Remark

OK

Cancel

5 Profile Management

5.1 Add Profile

The enterprise user could add a profile by click “**Profile Management**” → “**Add**” button, and input corresponding information, and then click “**OK**”.

Alcatel-Lucent Enterprise Easy Deployment Server | Enterprise

English ALEENSample Feedback Documents

Profile Management > Profile List

Profile Name/Server URL Search Add Delete

Profile Name	Number of Devices	Create Time	Last Modify Time	Operation
ALEEN	0	2021-01-04 11:17:04	2021-01-04 11:17:04	Edit

Add Profile

* Profile Name Please enter the profile name

URL Please enter URL

User Name Please enter the username

Password Please enter the password

Cert Name Please click the upload button to select the file

Click to upload Only .crt/ .pem/ .cer/ .der. Maximum size is 100KB

Pre-configure Area

OK Cancel

Below are the details for each attribute:

Profile Name could only be unique one over entire EDS server, and it will prompt an error once the profile name is duplicated.

URL is the server URL that used for auto provision.

User Name and **Password** must be input in advance if the provision server requires authentication.

Certificate must be uploaded in advance if the device needs to verify the server or the server needs to verify the device.

In **Pre-configure Area**, it's an advanced feature on EDS, which allows the enterprise user to directly set parameters under current account. The enterprise user could import the template from local or simply add the parameters individually on the blank. For this feature, users don't need additional provision server.

NOTE: H2/H2P is NOT supporting this feature.

Pre-configure Area

Tips: H2/H2P is not supporting this feature.
Please add parameters on the blank, format as below:
<setting id="xxx" value="xxx" override="xxx" />

Import Default Template

NOTE: Maximum size is 100K

```
<?xml version="1.0" encoding="utf-8" ?>
<settings>

</settings>
```

OK

Cancel

5.2 Delete Profile

The enterprise user could delete certain profiles by click **"Profile Management"** → **"Delete"** button.

NOTE: Before you click **"Delete"** button, please make sure at least one profile is selected.

The screenshot shows the 'Easy Deployment Server | Enterprise' interface. On the left is a sidebar with 'Overview', 'Device Management', and 'Profile Management' (selected). The main area is titled 'Profile Management > Profile List'. It contains a search bar, an 'Add' button, and a 'Delete' button (highlighted with a red box). Below is a table with columns: Profile Name, Number of Devices, Create Time, Last Modify Time, and Operation. One profile named 'ALEEN' is listed with 0 devices. The 'Operation' column for 'ALEEN' has an 'Edit' link.

And click **"OK"** before deleting for double confirm.

Tips



A configuration file has been referenced in the delete item, Are you sure to delete? The data cannot be restored if deleted.

Cancel

OK

5.3 Edit Profile

The enterprise user could directly click **"Edit"** for one profile.

This screenshot is similar to the previous one, showing the 'Profile Management > Profile List' section. In this instance, the 'Edit' link in the 'Operation' column for the 'ALEEN' profile is highlighted with a red box.

After information modified, click **"OK"**.

Edit Profile
×

* Profile Name

URL

User Name

Password

Cert Name

Only .crt/ .pem/ .cer/ .der. Maximum size is 100KB

5.4 Check Bound Device List

The enterprise user could directly click “digit” under “Number of Device” to get the device list that bound by this profile.

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Enterprise

</

The EDS server will redirect to “Device Management > Device List” page, and shows the devices bound.

6 Log Management

The enterprise user could check the log via Log Management.

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English ALEENSample Feedback Documents

Log Management > Log List

Executor/IP 2021-01-03 14:23:03 To 2021-01-04 14:23:03 Search

Executor	IP	Operation	Operation Time	Result
ALEENSample	211.144.19.94	Edit device 12-34-56-74-89-74	2021-01-04 14:19:04	Success
ALEENSample	211.144.19.99	Login	2021-01-04 13:40:09	Success
ALEENSample	211.144.19.99	Add profile ALEEN	2021-01-04 11:17:04	Success
ALEENSample	211.144.19.99	Add device [123456748974]	2021-01-04 11:16:52	Success
ALEENSample	211.144.19.99	Login	2021-01-04 11:08:12	Success

Executor/IP/Time Range could be input to query the log precisely.

7 System

7.1 Sub-Account

7.1.1 Add Sub-Account

The Enterprise administrator could add Sub-Account and assign corresponding privileges.

The screenshot shows the 'Easy Deployment Server | Enterprise' interface. On the left is a sidebar with navigation options: Overview, Device Management, Profile Management, Log Management, System, Sub-Account (highlighted), and API Service. The main content area is titled 'System > Sub-Account'. It features a search bar with 'User Name/Email' and a 'Search' button. To the right of the search bar are 'Add' and 'Delete' buttons, with the 'Add' button highlighted by a red rectangle. Below the search bar is a table with columns: User Name, State, Register Email, Country Area, Create Time, and Operation. The table contains one entry: 'ALESubSample' with a 'Normal' state, a masked register email, 'France' as the country area, and a creation time of '2021-01-04 06:32:39'. The 'Operation' column for this entry has a link 'Edit / Freeze'.

Click **“Add”** button, and then input corresponding information & assign corresponding Data Permission and Operation Permission for the Sub-Account:

- Company Name
- Country Area
- Contact
- Register Email
- Phone Number (optional)
- Remark(optional)

Add Sub-account User
×

* Company Name

* Country Area

* Contact

* Register Email

Phone Number

Here are some rules for Data Permission and Operation Permission assignment.

Data Permission:

A: If one profile created by the enterprise administrator is assigned to a Sub-Account, all the devices bound with this profile will be assigned to this Sub-Account accordingly.

B: If one profile created by the enterprise administrator is assigned to a Sub-Account, this profile could **NOT** be assigned to another Sub-Account.

C: If one profile created by a Sub-Account, it will be assigned to this Sub-Account automatically, and the enterprise administrator could **ONLY** see this profile name in gray during the Data Permission assignment on this Sub-Account, and unable to assign it to another Sub-Account.

Data Permission

- ▼ ☒ Profile
 - ☒ ALEEnterpriseSample
 - ☒ 123456

Operation Permission

A: On Device Management, click on at least one checkbox for **Add/Import/Export, Migrate/Edit** or **Delete operation** will trigger **Read/Batch Query operation checkbox** to be clicked on as well.

B: On Profile Management, click on at least one checkbox for **Add, Edit** or **Delete** operation will trigger **Read** operation checkbox to be clicked on as well.

Operation Permission

- ▼ ☐ Select All
 - ▼ ☐ Device Management
 - ☐ Read/Batch Query
 - ☐ Add/Import/Export
 - ☐ Migrate/Edit
 - ☐ Delete
 - ▼ ☐ Profile Management
 - ☐ Read
 - ☐ Add
 - ☐ Edit
 - ☐ Delete
 - ☐ Log Management

7.1.2 Delete Sub-Account

The enterprise administrator could delete certain Sub-Accounts by click **“System”** → **“Sub-Account”** → **“Delete”** button.

NOTE: Before you click **“Delete”** button, please make sure at least one Sub-Account is selected.

Alcatel-Lucent Enterprise Easy Deployment Server | Enterprise

System > Sub-Account

User Name/Email Search Add Delete

User Name	State	Register Email	Country Area	Create Time	Operation
ALESubSample	Normal	[Redacted]	France	2021-01-04 06:32:39	Edit / Freeze

And click **“OK”** before deleting for double confirm.

Tips ×

! Are you sure to delete? The data cannot be restored if deleted.

Cancel OK

7.1.3 Edit Sub-Account

The enterprise administrator firstly selects the Sub-Account user which needs to be edited, then click the **“Edit”** button to edit the information of enterprise user.

Alcatel-Lucent Enterprise Easy Deployment Server | Enterprise

System > Sub-Account

User Name/Email Search Add Delete

User Name	State	Register Email	Country Area	Create Time	Operation
ALESubSample	Normal	[Redacted]	France	2021-01-04 06:32:39	Edit Freeze

7.1.4 Freeze/Unfreeze Sub-Account User

The enterprise administrator firstly selects the Sub-Account user which needs to be frozen, and then click **“Freeze”** button, and then click **“OK”** button on the prompt window.

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English ALENSample Feedback Documents

System > Sub-Account

User Name/Email Search Add Delete

User Name	State	Register Email	Country Area	Create Time	Operation
ALESubSample	Normal		France	2021-01-04 06:32:39	Edit Freeze

Overview
Device Management
Profile Management
Log Management
System
Sub-Account
API Service

NOTE



After freeze, the enterprise user will not be able to log into the system.

OK

Cancel

After the enterprise user is frozen, you will see the **“Freeze”** button will switch to **“Unfreeze”** button.

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English ALENSample Feedback Documents

System > Sub-Account

User Name/Email Search Add Delete

User Name	State	Register Email	Country Area	Create Time	Operation
ALESubSample	Freeze		France	2021-01-04 06:32:39	Edit UnFreeze

Overview
Device Management
Profile Management
Log Management
System
Sub-Account
API Service

7.2 API Service

The third parties could call for the API via the AccessKey, which could be applied by click **“System”** → **“API Service”**, and then click **“Generate”**

Alcatel-Lucent Enterprise

Easy Deployment Server | Enterprise

English ALENSample Feedback Documents

Overview

Device Management

Profile Management

Log Management

System

Sub-Account

API Service

System > API Service

API Service

AccessKey ID

AccessKey Secret

Tips: This is used for Json API(s) authentication.

Generate

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Once the AccessKey Secret has been generated, users could click **“Reset”** to get another AccessKey Secret with same AccessKey ID, or click **“Delete”** to complete generate another AccessKey Secret with another AccessKey ID.

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Easy Deployment Server | Enterprise

English ALENSample Feedback Documents

Overview

Device Management

Profile Management

Log Management

System

Sub-Account

API Service

System > API Service

API Service

AccessKey ID

F9B761112AC82455097A

AccessKey Secret

3F25EB25F2AA065CB1

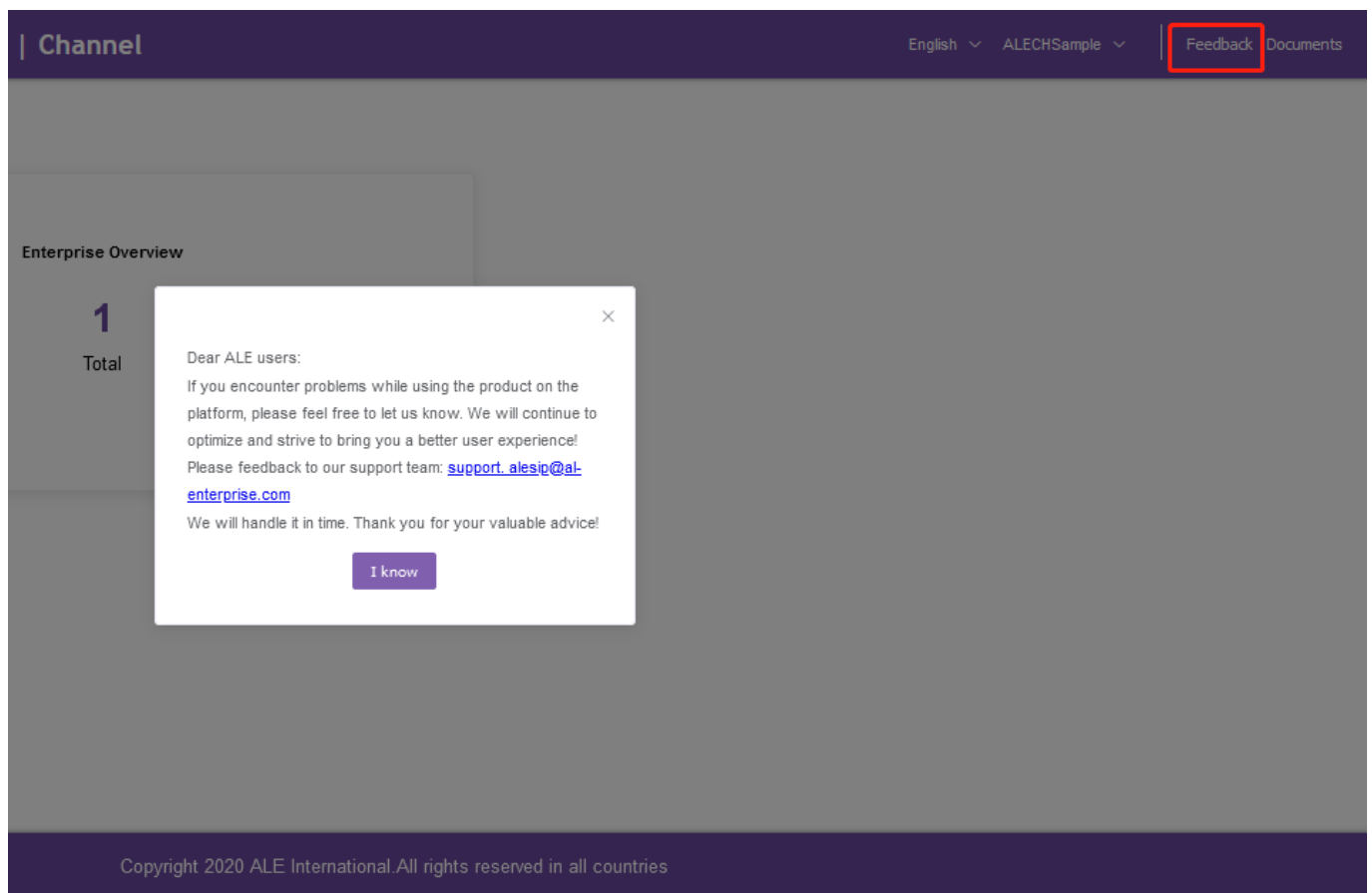
Tips: This is used for Json API(s) authentication.

Reset Delete

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8 Feedback & Documents

The Channel user encounters any issue or question, and wants to report to ALE Technical Team, please click **“Feedback”** button, and get the technical support email address.



Also, the more document could be found via ALE download center by click **“Documents”** button.