

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.

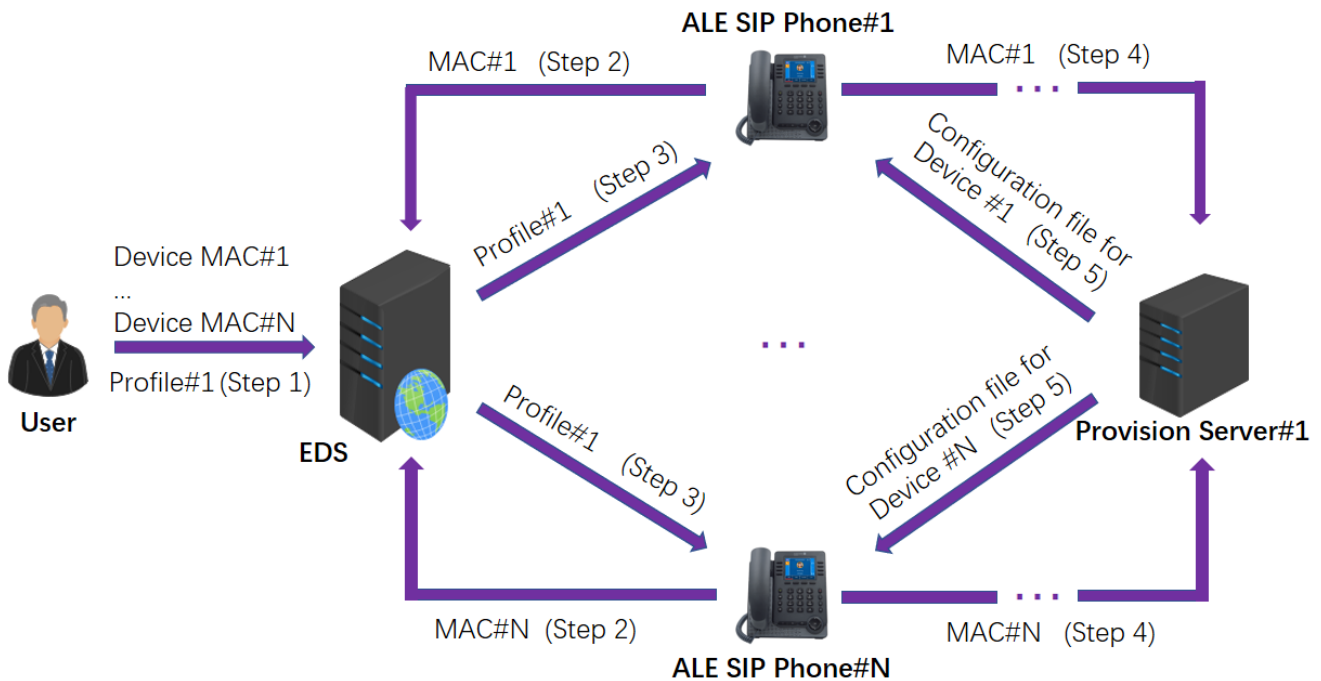
Besides using EDS as a direct deployment server to make ALE devices get pre-configured, the user needs to input the provision server address for the device to connect 3rd provision server. If the server is SSL/TLS based, a certificate is also needed. The MAC address of SIP device is associated with provisioning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



NOTE:

The URL of provision server, provision authentication info, certificate, configuration parameters could be stored into profile, but neither of them is must to have.
Thus, the pre-condition for Step 4 is that Profile#1 contains the URL of Provision Server #1

2 Enterprise User Management

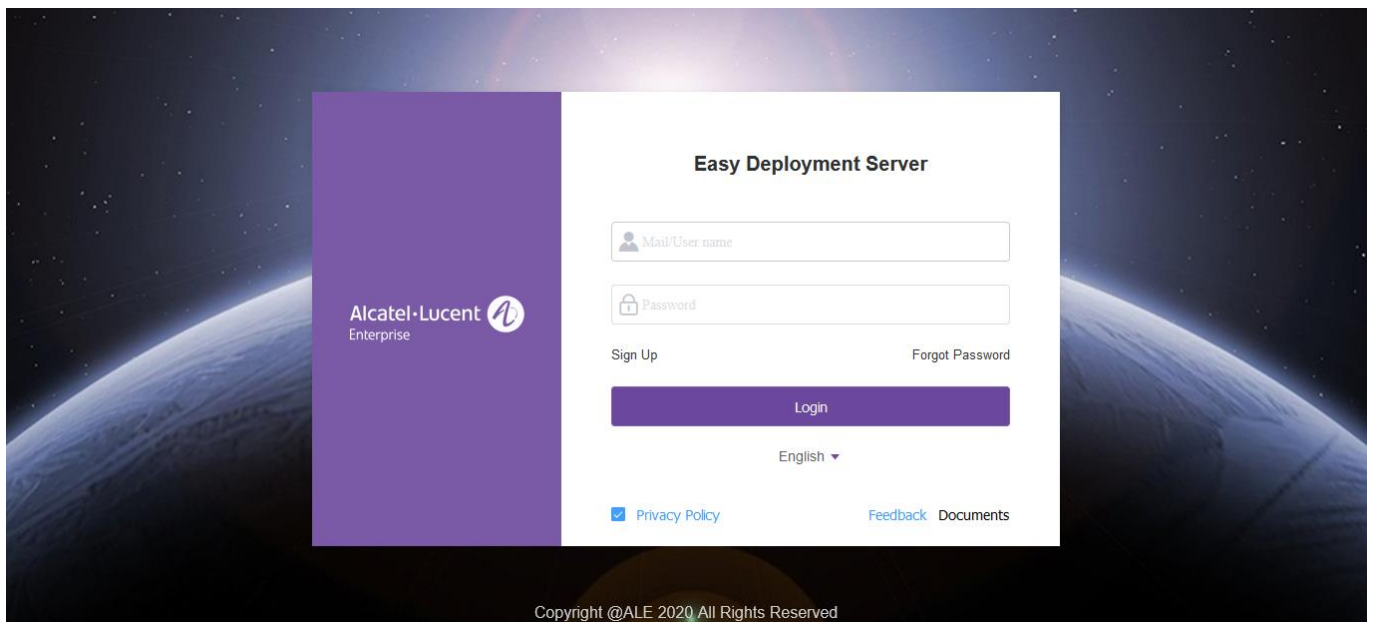
2.1 Registering Enterprise User

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

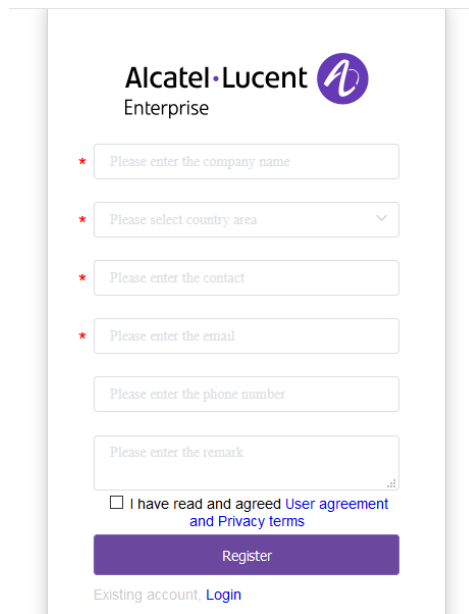
Sign Up Forgot Password


Login

English ▾

Privacy Policy Feedback Documents

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Alcatel-Lucent 
Enterprise

* Please enter the company name

* Please select country area

* Please enter the contact

* Please enter the email

Please enter the phone number

Please enter the remark

I have read and agreed [User agreement and Privacy terms](#)

Register

Existing account [Login](#)

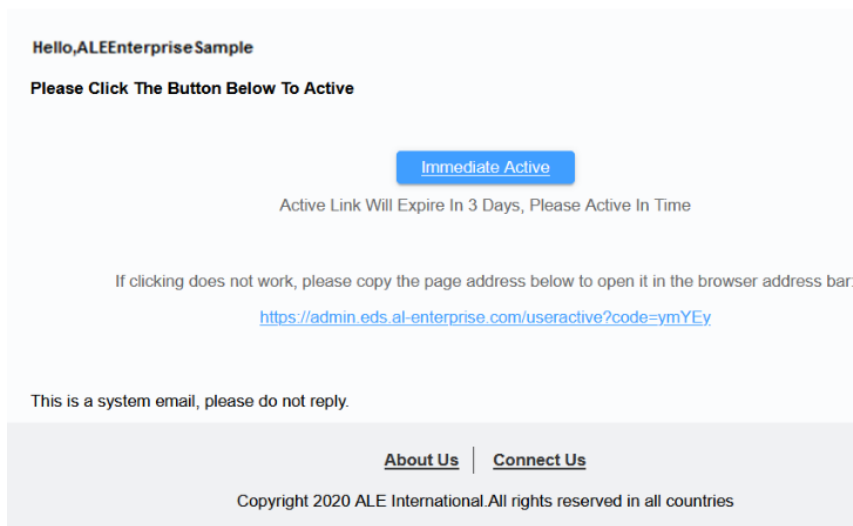
Once users click the **“Register”** button, ALE administrator will receive the registering email.

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.

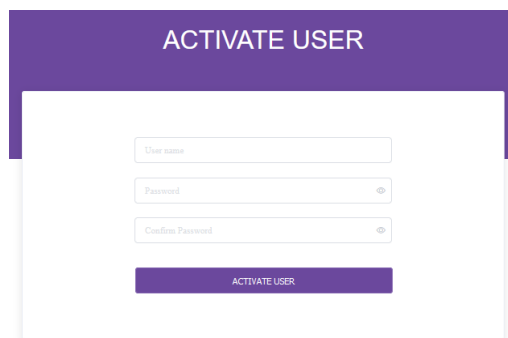


2.2 Enterprise User Login

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.



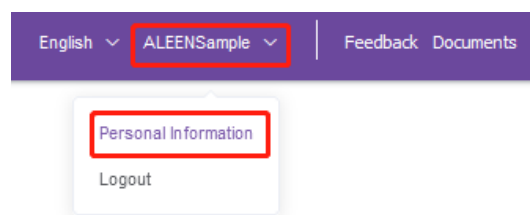
The screenshot shows a web form titled "ACTIVATE USER" with a purple header. The form contains three input fields: "User name", "Password", and "Confirm Password". Each field has a small eye icon to its right. Below the fields is a purple button labeled "ACTIVATE USER".

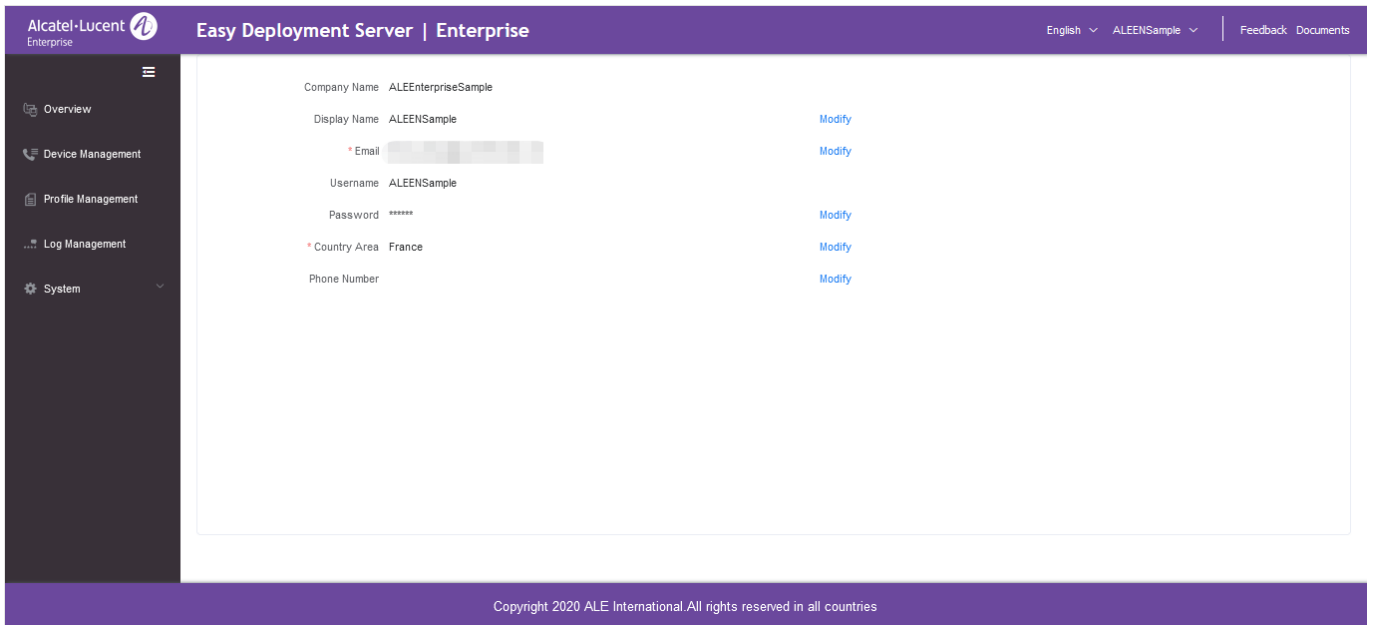
After completing the registration, users can log in the EDS server. The URL of EDS is:

<https://admin.eds.al-enterprise.com>

2.3 Enterprise User Information Modification

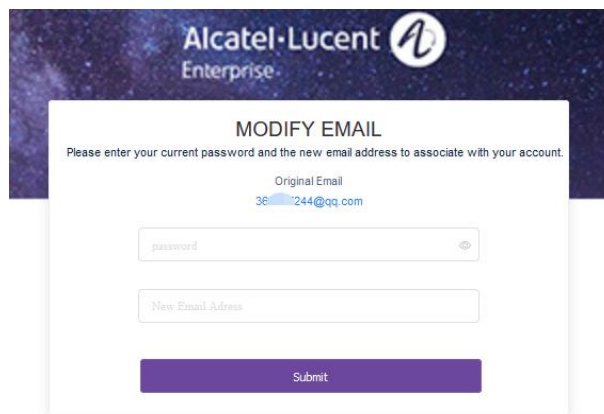
Click on the button under username, there is a menu for user operation. Click “Personal Information” to modify user information.



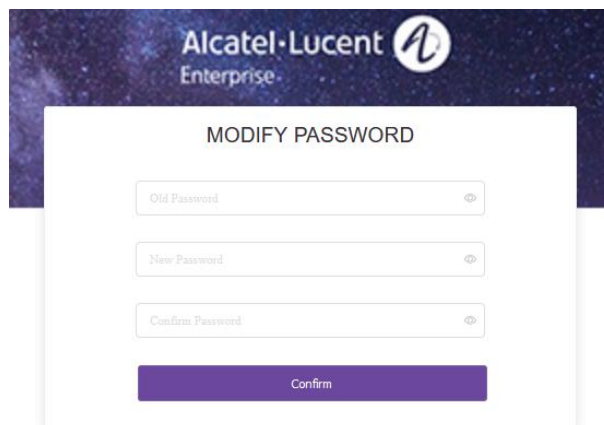


Display Name could be modified and only readable under this user interface.

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:



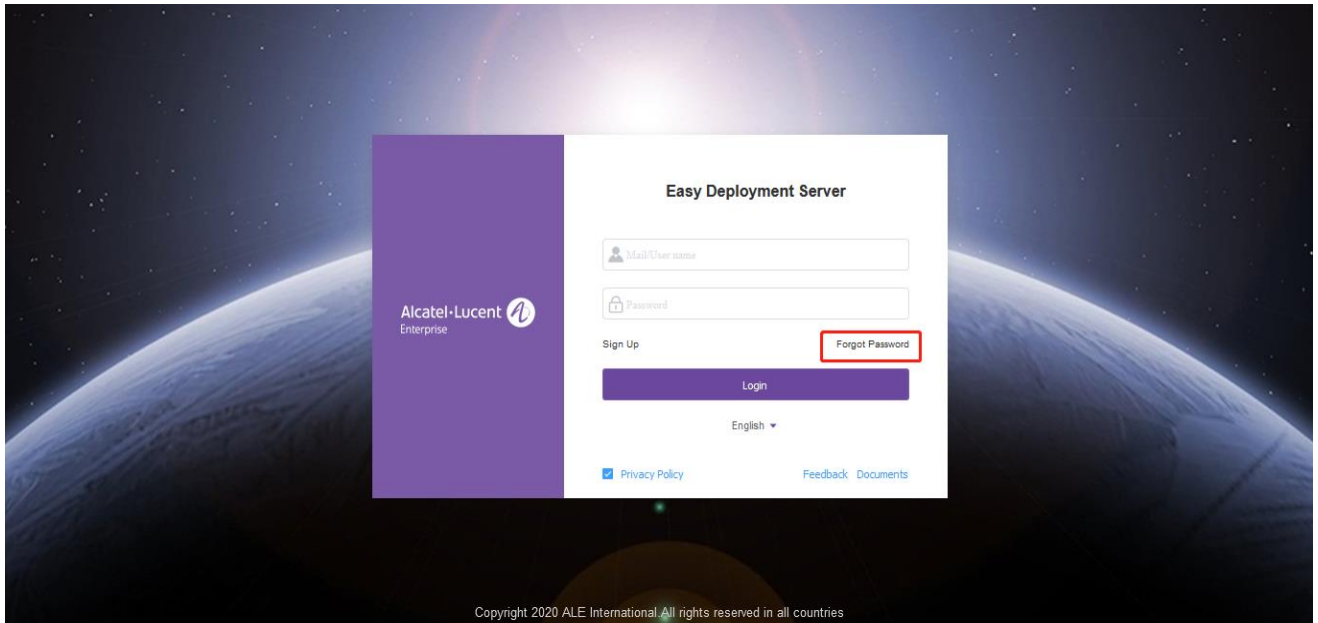
Country Area can be simply modified and save.

Phone Number can be simply modified and save.

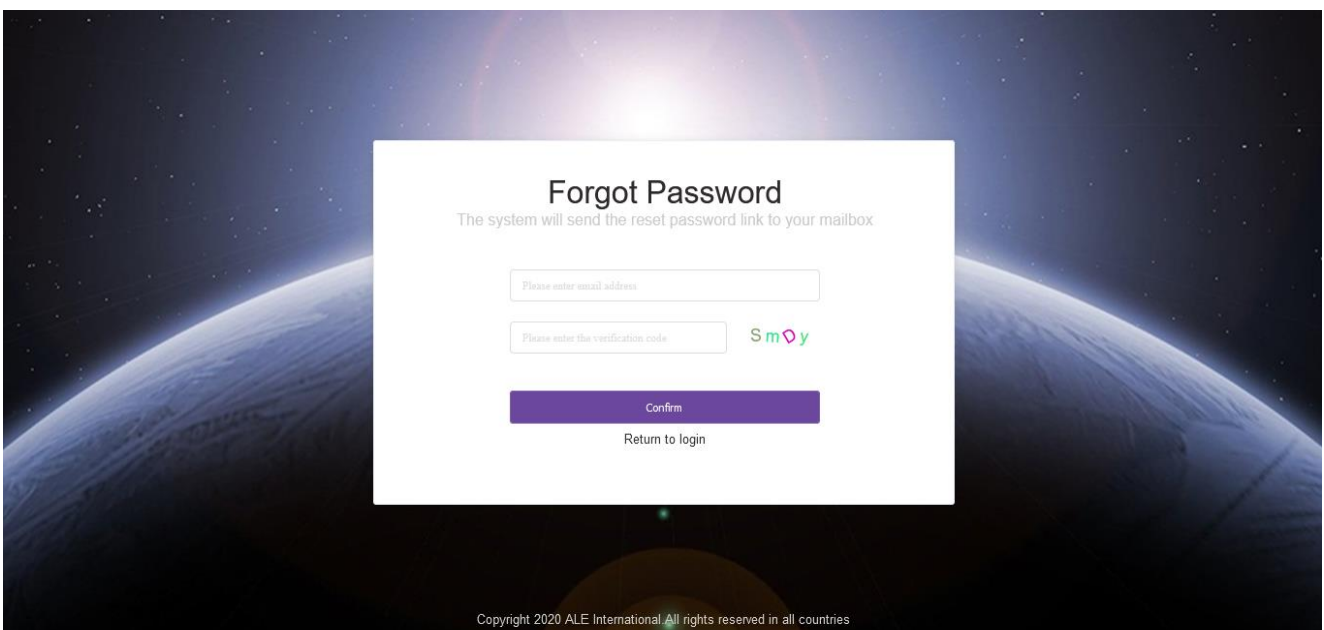
2.4 Forget Enterprise User Password

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

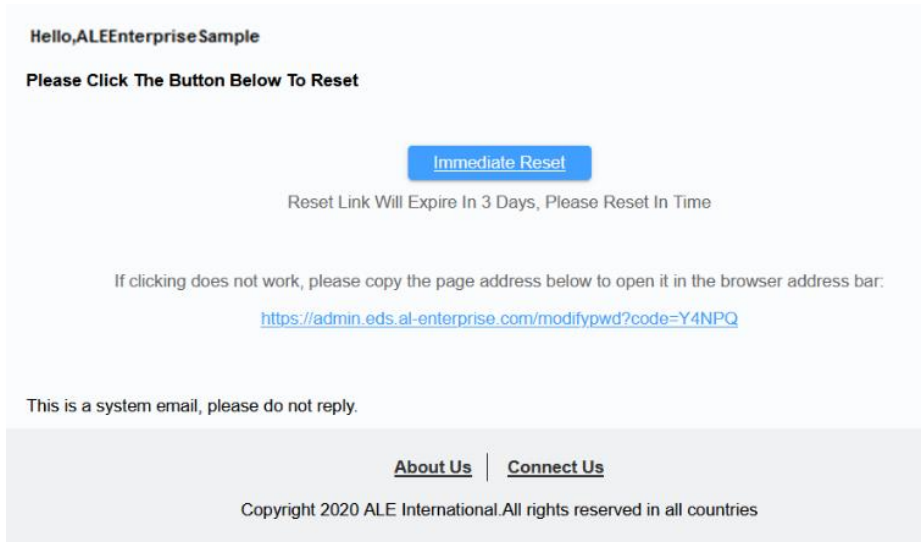
- If the password is forgotten, please click **“Forget Password”**.



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



An email with the reset password link will be sent to the email address just input:



- 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 image shows a screenshot of the Alcatel-Lucent Enterprise password reset form. The form is titled **RESET PASSWORD** and is set against a dark blue background with the Alcatel-Lucent logo. The form contains the following fields and elements:

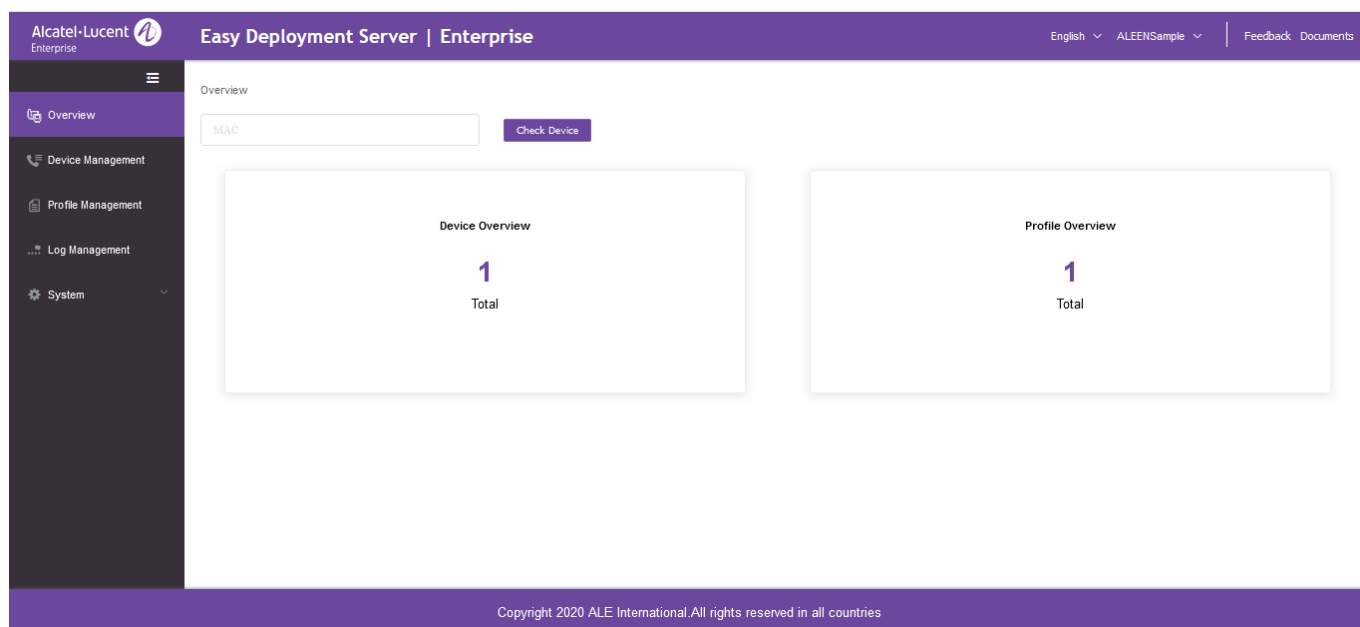
- User name**: A text input field.
- Password**: A password input field with a visibility toggle icon.
- Confirm Password**: A password input field with a visibility toggle icon.
- Confirm**: A purple button to submit the form.

3 Overview

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

The retrieval of the Overview page supports three Mac formats:

1. AABCCDDEEFF
2. AA:BB:CC:DD:EE:FF
3. AA-BB-CC-DD-EE-FF



There are 4 check results:

Result	Explanation
Device does not exist	The device is not yet added by any enterprise user
Device Bound	The device is added by current enterprise user, and bound with one Profile
Device Unbound	The device is added by current enterprise user, but not yet bound with one Profile
Device has been bound by other enterprise	The device is added on the EDS server, but not by current enterprise user

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”**.

The screenshot shows the 'Easy Deployment Server | Enterprise' interface. The 'Device Management' menu is active, and the 'Add' button in the top right is highlighted with a red box. The 'Add' dialog is open, showing a 'Please select profile' dropdown, a 'MAC List' with six input fields containing '33' and an 'Add' button, a 'Remark' text area, and a 'Pre-configure Area' with an 'OK' button.

Here we allow enterprise user to:

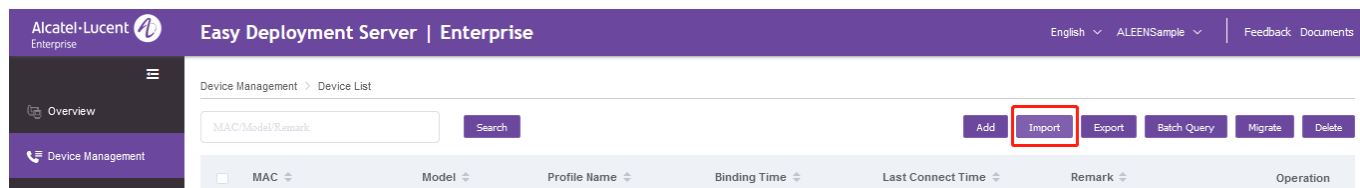
1. Select existing profile or leave it empty
2. Add multiple devices at the same time
3. Add Remark for the devices
4. Add parameters from Pre-configure Area (up to 10 pre-configure parameters)

After adding, all the devices could be seen over the Device List as shown above.

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

4.2 Import New Device

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

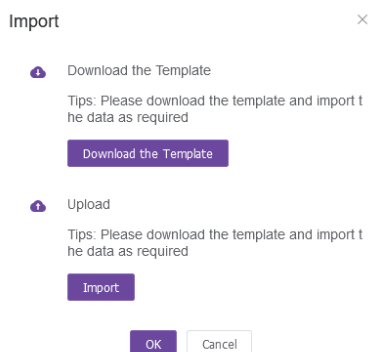


The template could be downloaded from the path above.

The valid Mac formats on the template as below:

1. AABCCDDEEFF
2. AA:BB:CC:DD:EE:FF
3. AA-BB-CC-DD-EE-FF

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



The import device supports up to 10 pre-configure parameters. (**NOTE:** H2/H2P is NOT supporting this feature.)

Configure the pre-configure parameters starting at the fourth column of the device xls file.

The first row is filled with the parameter name, and the other rows are filled with the parameter value.

If the parameter value is null, the corresponding device skips the parameter.

*Device Mac	Profile Name	Remark	Para01	Para02	Para03	Para04	Para05	Para06	Para07	Para08	Para09	Para10
00-11-22-33-44-50	myprofile	mydescription	10	11	12	13	14	15	16	17	18	19
00-11-22-33-44-51	myprofile	mydescription		21	22	23	24		26	27	28	29
00-11-22-33-44-52	myprofile	mydescription	30	31		33	34	35	36	37		39
00-11-22-33-44-53	myprofile	mydescription	40		42	43	44	45	46			49
00-11-22-33-44-54	myprofile	mydescription	50	51	52		54	55	56	57	58	59
00-11-22-33-44-55	myprofile	mydescription	60	61		63	64	65	66		68	69
00-11-22-33-44-56	myprofile	mydescription	70	71	72	73	74		76	77	78	79
00-11-22-33-44-57	myprofile	mydescription	80		82		84	85	86	87	88	89
00-11-22-33-44-58	myprofile	mydescription	90	91	92	93	94	95	96	97	98	99

As shown above, device 00-11-22-33-44-50 will fetch the profile contains 10 parameters:

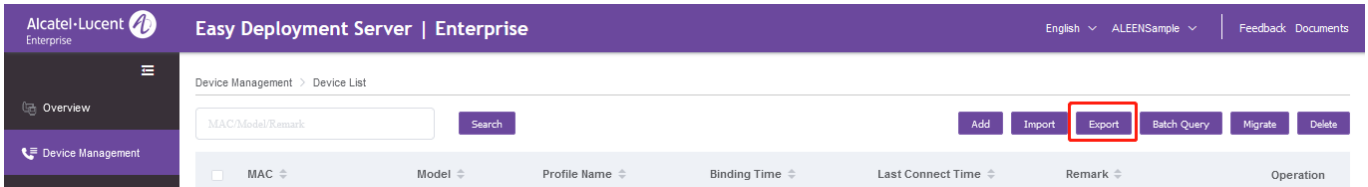
Para01 with value 10, Para02 with value 11, Para03 with value 12, Para04 with value 13, Para05 with value 14, Para06 with value 15, Para07 with value 16, Para08 with value 17, Para09 with value 18, Para10 with value 19;

Device 00-11-22-33-44-51 will fetch the profile contains 8 parameters:

Para02 with value 21, Para03 with value 22, Para04 with value 23, Para05 with value 24, Para07 with value 26, Para08 with value 27, Para09 with value 28, Para10 with value 29;

4.3 Export Device

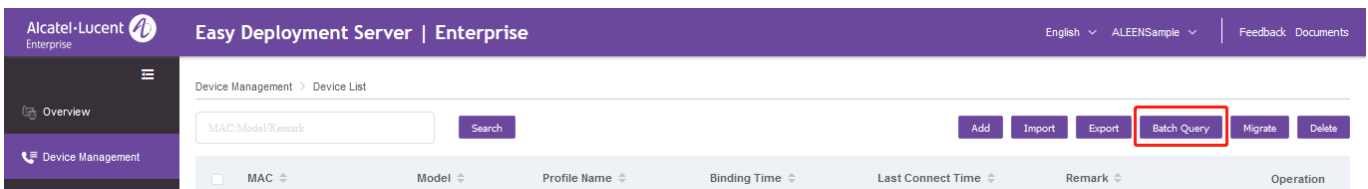
The enterprise user could export the device to check the detail of all devices under this account by click **“Device Management”** → **“Export”** button.



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.

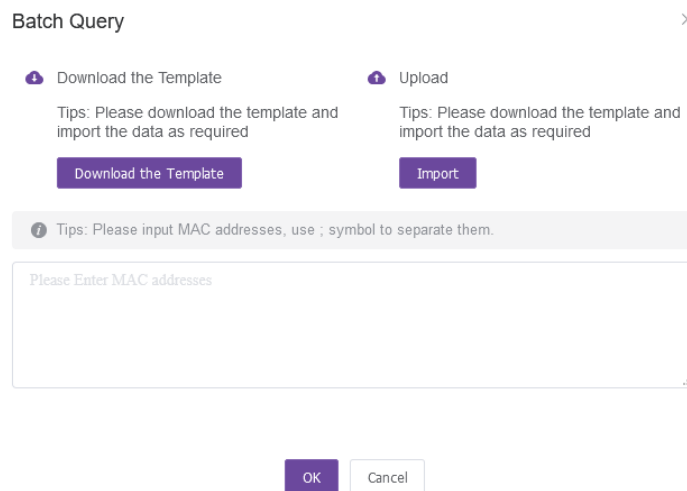


There are two approaches to batch query the device:

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”**.



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.

The screenshot shows the 'Easy Deployment Server | Enterprise' interface. In the top right, there are language and user options: English, ALEENSample, Feedback, and Documents. The main navigation includes Overview and Device Management. The 'Device List' table has columns for MAC, Model, Profile Name, Binding Time, Last Connect Time, Remark, and Operation. Action buttons (Add, Import, Export, Batch Query, Migrate, Delete) are visible. The 'Migrate Device' dialog is open, featuring a dropdown menu for 'Profile Name' with the text 'Please Select Profile Name' and 'OK' and 'Cancel' buttons.

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.

This screenshot is similar to the previous one, showing the 'Easy Deployment Server | Enterprise' interface. The 'Delete' button in the top right of the device list table is highlighted with a red box.

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

The 'Tips' dialog box contains a warning icon (yellow circle with an exclamation mark) and the text: 'Are you sure to delete? The data cannot be restored if deleted.' Below the text are 'Cancel' and 'OK' buttons.

4.7 Edit Device

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

The screenshot shows the 'Easy Deployment Server | Enterprise' interface. The left sidebar contains 'Overview', 'Device Management', and 'Profile Management'. The main area is titled 'Device Management > Device List'. It features a search bar for 'MAC/Model/Remark' and a toolbar with buttons for 'Add', 'Import', 'Export', 'Batch Query', 'Migrate', and 'Delete'. Below is a table with columns: MAC, Model, Profile Name, Binding Time, Last Connect Time, Remark, and Operation. The first row contains the MAC address '12-34-56-74-89-74' and a red-bordered 'Edit' button in the Operation column.

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

The 'Edit Device' dialog box is shown with a close button (X) in the top right corner. It contains the following fields:

- MAC: 12-34-56-74-89-74
- Profile Name: A dropdown menu.
- Remark: A large text area.

At the bottom of the dialog, there are two buttons: 'OK' and '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”**.

The screenshot shows the 'Profile Management' section of the EDS interface. At the top, there is a search bar for 'Profile Name/Server URL' and a table with columns: Profile Name, Number of Devices, Create Time, Last Modify Time, and Operation. The 'Add' button is highlighted with a red box. Below the table is the 'Add Profile' form with the following fields:

- Profile Name:** A text input field with a placeholder 'Please enter the profile name'.
- URL:** A text input field with a placeholder 'Please enter URL'.
- User Name:** A text input field with a placeholder 'Please enter the username'.
- Password:** A text input field with a placeholder 'Please enter the password'.
- Cert Name:** A text input field with a placeholder 'Please click the upload button to select the file' and a trash icon.

Below the form, there is a 'Click to upload' button and a note: 'Only .crt/ .pem/ .cer/ .der. Maximum size is 100KB'. There is also a 'Pre-configure Area' dropdown menu and 'OK' and 'Cancel' buttons at the bottom.

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

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.

Alcatel-Lucent Enterprise | Easy Deployment Server | Enterprise

Profile Management > Profile List

Profile Name/Server URL

Profile Name	Number of Devices	Create Time	Last Modify Time	Operation
<input type="checkbox"/> ALEEN	0	2021-01-04 11:17:04	2021-01-04 11:17:04	Edit

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.

5.3 Edit Profile

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

Alcatel-Lucent Enterprise | Easy Deployment Server | Enterprise

Profile Management > Profile List

Profile Name/Server URL

Profile Name	Number of Devices	Create Time	Last Modify Time	Operation
<input type="checkbox"/> ALEEN	0	2021-01-04 11:17:04	2021-01-04 11:17:04	<input type="button" value="Edit"/>

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.

Alcatel-Lucent Enterprise Easy Deployment Server Enterprise					
Profile Management > Profile List		Profile Name/Server URL <input type="text"/>		<input type="button" value="Search"/> <input type="button" value="Add"/> <input type="button" value="Delete"/>	
<input type="checkbox"/>	Profile Name ↕	Number of Devices ↕	Create Time ↕	Last Modify Time ↕	Operation
<input type="checkbox"/>	ALEEN	1 1	2021-01-04 11:17:04	2021-01-04 11:17:04	Edit

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.

The screenshot displays the 'Log Management' interface in the Alcatel-Lucent Easy Deployment Server Enterprise. The breadcrumb trail shows 'Log Management > Log List'. A search bar is present with a date range filter set to '2021-01-03 14:23:03 To 2021-01-04 14:23:03'. Below the search bar is a table with the following data:

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

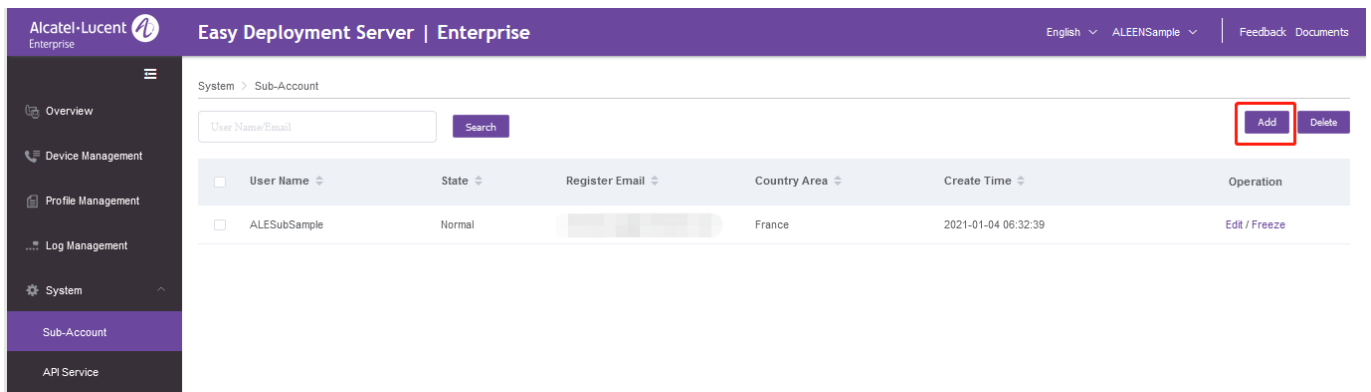
Executor/IP/Time Range could be input to query the log precisely.

7 System

7.1 Sub-Account

7.1.1 Add Sub-Account

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



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 **ALSO** 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 this Sub-Account could **NOT** assign this profile to another Sub-Account, but the enterprise administrator is able to do so.

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.

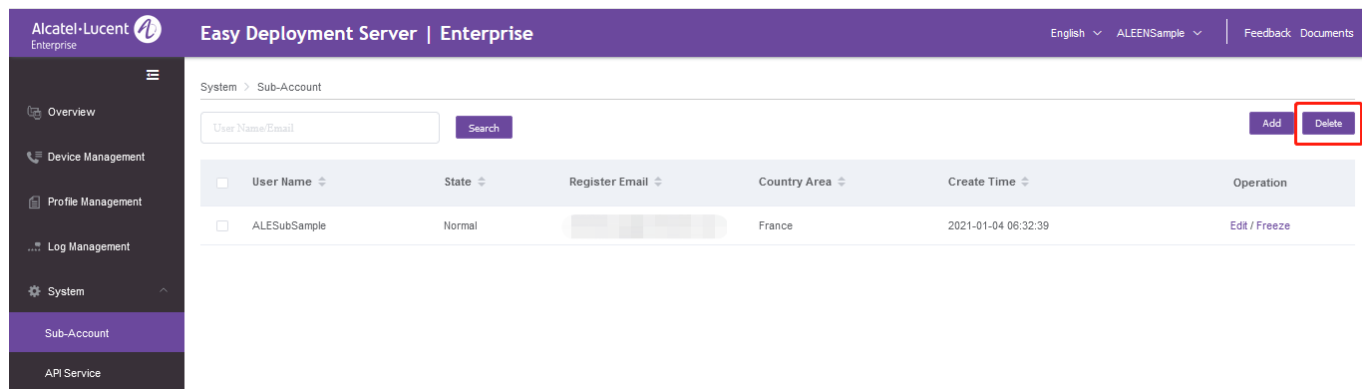
Operation Permission

- 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.



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.

The screenshot shows the 'Easy Deployment Server | Enterprise' interface. On the left is a navigation menu with 'Sub-Account' selected. The main area displays a table of sub-accounts. The table has columns for 'User Name', 'State', 'Register Email', 'Country Area', 'Create Time', and 'Operation'. One row is visible for 'ALESubSample' with state 'Normal' and create time '2021-01-04 06:32:39'. In the 'Operation' column, there are two buttons: 'Edit' (highlighted with a red box) and '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.

This screenshot is identical to the previous one, but the 'Freeze' button in the 'Operation' column of the table is highlighted with a red box.

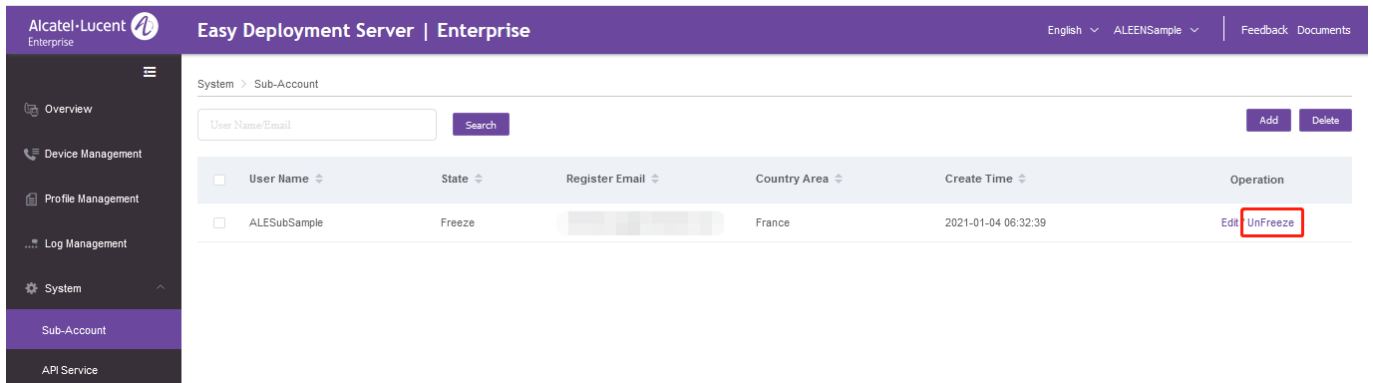
×

NOTE

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

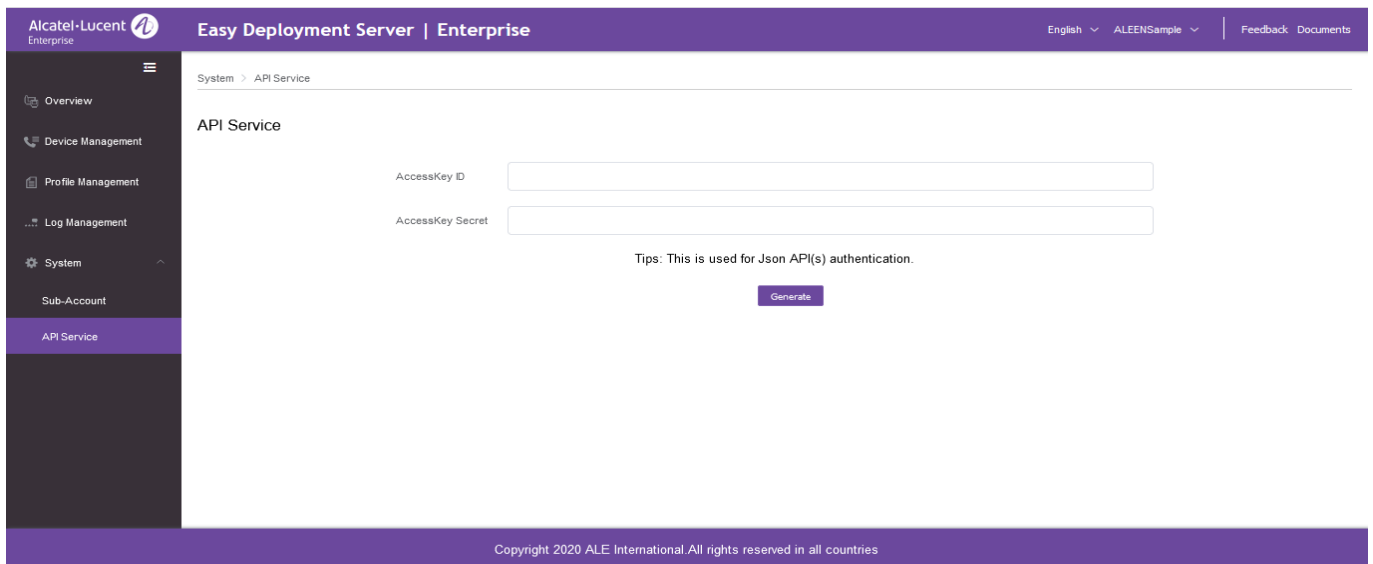
OK
Cancel

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



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”



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.

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

System > API Service

API Service

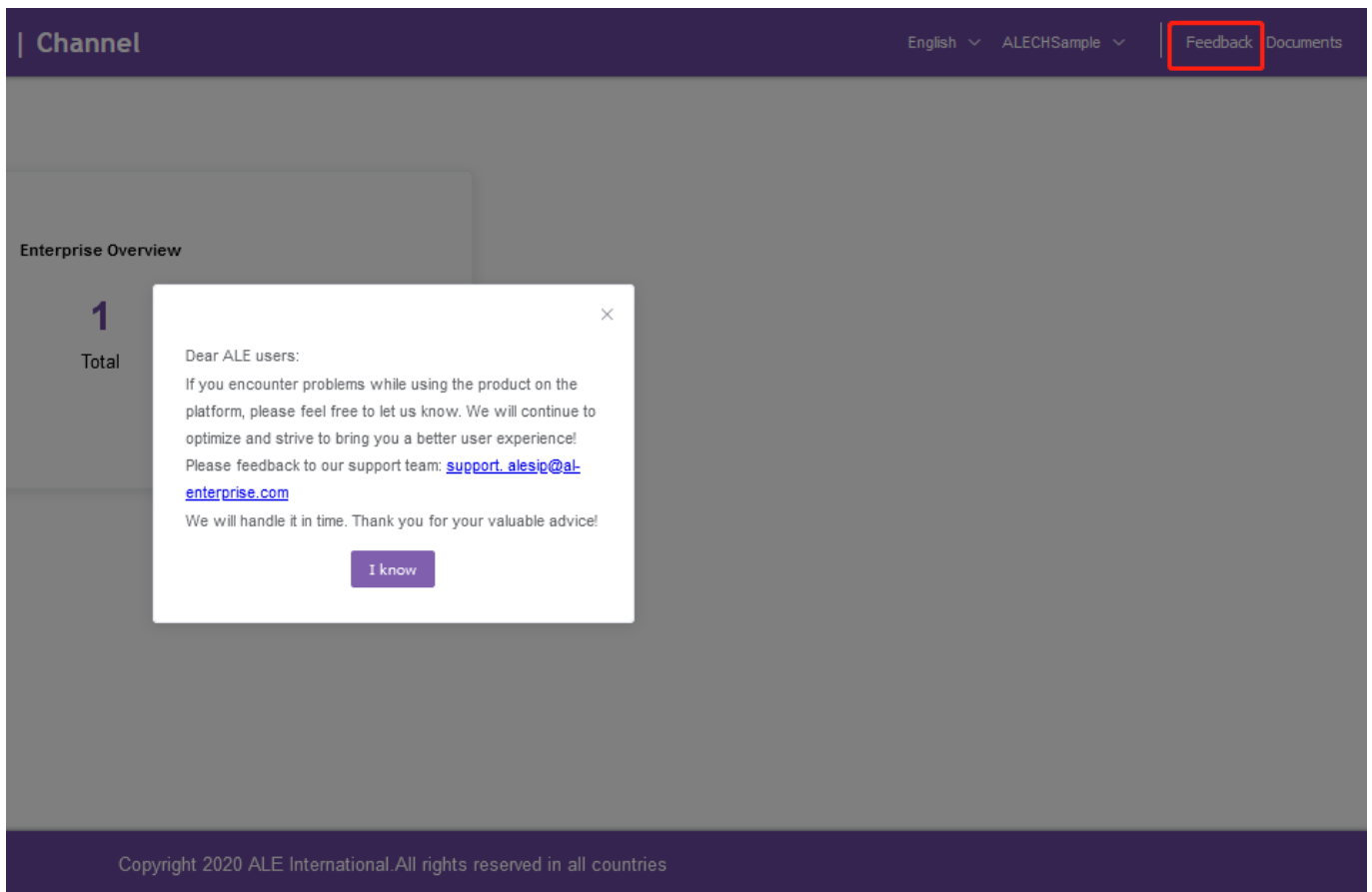
AccessKey ID	<input type="text" value="F9B7...6112AC82455097A"/>
AccessKey Secret	<input type="text" value="3F25...0EB25F2AA065CB1"/>

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

[Reset](#) [Delete](#)

8 Feedback & Documents

The Enterprise 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.



The screenshot displays the Alcatel-Lucent Enterprise user interface. At the top right, there are navigation links for "English", "ALECHSample", "Feedback", and "Documents". The "Feedback" link is highlighted with a red box. Below the navigation bar, the main content area shows an "Enterprise Overview" section with a large number "1" and the word "Total". A modal dialog box is open in the center, containing the following text:

Dear ALE users:
If you encounter problems while using the product on the platform, please feel free to let us know. We will continue to optimize and strive to bring you a better user experience!
Please feedback to our support team: support.alesig@al-enterprise.com
We will handle it in time. Thank you for your valuable advice!

At the bottom of the modal dialog is a purple button labeled "I know".

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