



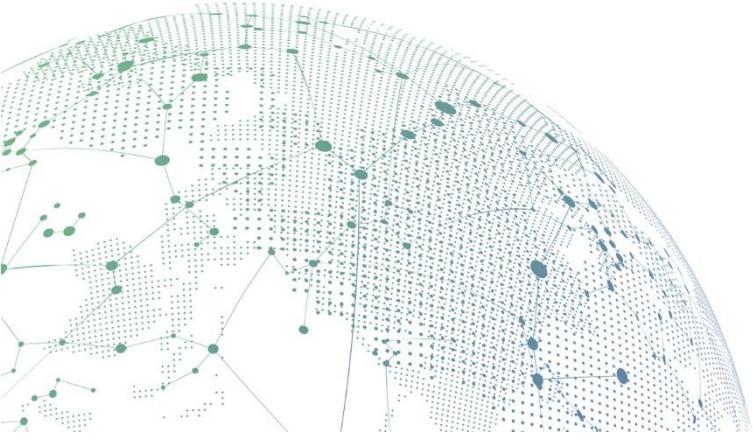
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# IAM

## Batch Import User Binding and IPMAC Binding Relationships Configuration Guide

Version 12.0.18



## Change Log

Date	Change Description
Oct 7, 2019	Version 12.0.18 document release.

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## 1 Features Summary

With a CSV file import, the CSV form file format is very simple. Almost all spreadsheet software can edit CSV file and save the form file in this format. For example, the common Microsoft EXCEL spreadsheet software can edit this type of file, and it is relatively easy to convert XLS form files to CSV forms.

Tip: Because the csv file format is very simple, it does not support setting the column width, font, color and other attributes. Therefore, in order to facilitate editing and management of users, you can usually edit the user information through the ordinary xls table, and then convert it into csv format when importing it.

## 2 Application scenario

1. Restrict a user name to log in only on an IP or MAC address. The bound IP or MAC can only be used by this specified user.
2. Bind the IP address and the MAC address in both directions to prevent the user from modifying the IP address. If the IP or MAC address is inconsistent with the binding information, the authentication will fail.

## 3 Requirements

1. One IAM 12.0.18 version device.
2. Download the sample template for user binding and IP/MAC binding.
3. Fill in the real user information according to the template.

## 4 Configuration Ideas

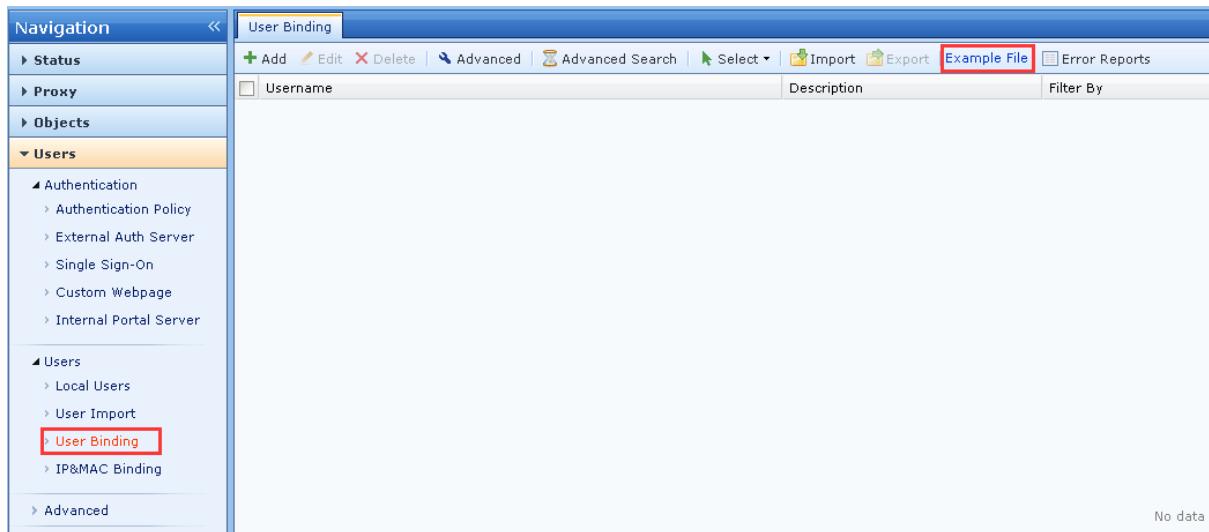
1. Download the sample template
2. Fill in the binding information according to the sample template.
3. Then import to the device.

## 5 Configuration and Screenshots

### 5.1 Configure User Binding on IAM

1. [Users] → [Users] → [User Binding], click “Example File”.

## IAM Configuration Guide



- Set the user binding information to be imported according to the format in the sample file.

The screenshot shows a WPS Office spreadsheet window with the title bar 'WPS Office' and the file name 'userbind\_example.csv' highlighted with a red box. The spreadsheet has a green header row with column labels: 'Username', 'Description', 'Address Type', 'Address', 'Open Auth', and 'Expiry Date'. Below the header, there are 19 data rows. Row 1 contains the header comments: '#Username(required)', '#Address Type(required.IP/MAC)', '#Address(required. IP address, IP range, subnet and MAC address supported. IP address example', '#Open Authentication(Y means Yes; N means No. Being left blank means N)', '#Expiry Date(not earlier than the date imported. Example: 2015-05-01. Being left blank indicate', and 'Username'. Rows 2 through 19 contain data entries. For example, row 7 has values: 'a', 'test', 'IP', '200.200.20.Y', '2/13/2025'. Row 19 has values: 'c', 'test', 'MAC', '00-1c-f1-09N', '2/13/2025'.

#Username(required)	#Address Type(required.IP/MAC)	#Address(required. IP address, IP range, subnet and MAC address supported. IP address example	#Open Authentication(Y means Yes; N means No. Being left blank means N)	#Expiry Date(not earlier than the date imported. Example: 2015-05-01. Being left blank indicate	Username	Description	Address Type	Address	Open Auth	Expiry Date
a	test	IP	200.200.20.Y	2/13/2025	7					
a	test	IP	100.200.20.Y	2/13/2025	8					
a	test	IP	200.200.20.Y	2/13/2025	9					
a	test	MAC	00-1C-F1-09Y	2/13/2025	10					
a	test	IP	200.200.20.Y	2/13/2025	11					
b	test	IP	150.200.20.Y		12					
b	test	MAC	00-1C-F1-09N	2/13/2025	13					
b	test	IP	192.168.0.1N	2/13/2025	14					
b	test	IP	192.168.1.2N	2/13/2025	15					
c	test	IP	200.200.67.N	2/13/2025	16					
c	test	IP	200.200.66.N	2/13/2025	17					
c	test	MAC	00-1c-f1-09N	2/13/2025	18					
c	test	MAC	00-1c-f1-09N	2/13/2025	19					

- Select the CSV file and click Import.

## 5.2 Configure IP/MAC binding on the IAM

- [Users] -> [Users] -> [IP&MAC Binding], click “Example File”.

- Set the binding information to be imported according to the format in the sample file.

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3. Select the CSV file and click Import.

The screenshot shows a software interface with a navigation sidebar on the left and a main content area on the right.

**Navigation Sidebar:**

- Status
- Proxy
- Objects
- Users** (selected, highlighted with a red box)
- Authentication
  - Authentication Policy
  - External Auth Server
  - Single Sign-On
  - Custom Webpage
  - Internal Portal Server
- Users** (selected, highlighted with a red box)
  - Local Users
  - User Import
  - User Binding
  - IP&MAC Binding** (selected, highlighted with a red box)
- Advanced

**Main Content Area:**

IP&MAC Binding

+ Add X Delete | Select ▾ | **Import** (highlighted with a red box) | Export | Example File

IP Address

## 6 Precautions

1. The MAC address must be filled in standard, such as: 00-FF-09-37-68-8A, can not be omitted, must be separated by "-".

2. After binding the MAC address, if the IAM is in layer three environment, you must enable the "MAC acquisition across L3 network" to confirm that the device can correctly identify the user's mac address before importing the binding information.



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