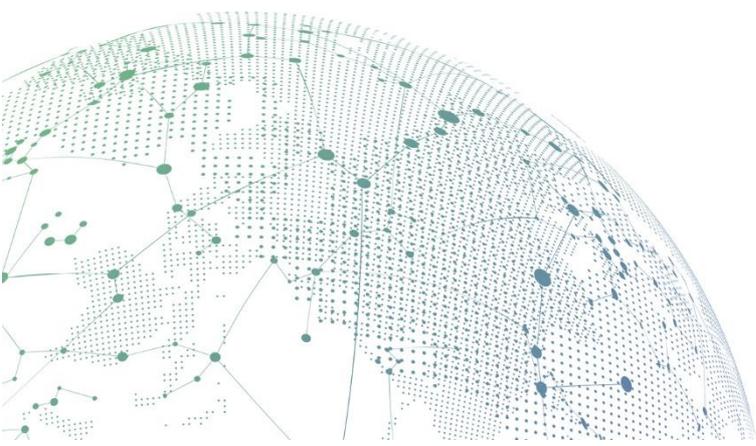


# IAM

## How to bind user IP and Mac at the same time

Version 12.0.18



## Change Log

Date	Change Description
July 23, 2019	Version 12.0.18 document release.

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## Chapter 1 Content requirement

1. IAM device, network data can pass through the device
2. Internal networks are non-DHCP
3. If 3 layer network environment, need to configure layer 3 MAC recognition and and able to verify the ARP table.

## Chapter 2 Configuration and Snap shot

### 2.1 Open authentication

1. Fill in authentication IP or Mac address.

The screenshot shows the 'Authentication Policy' configuration interface. It includes an 'Enable' checkbox, 'Name' and 'Description' input fields, and a sidebar with 'Objects', 'Auth Method', and 'Action' sections. The 'Objects' section is expanded, showing a large text area for 'IP/MAC Address'.

2. Authentication method choose Open authentication, user name can use IP address as username, also can use Mac address as user name. Not recommend to use PC as username (sometimes can not get the PC name)

**Authentication Policy**

Enable

Name:

Description:

**Objects**

**Auth Method**

**Action**

Auth Method:

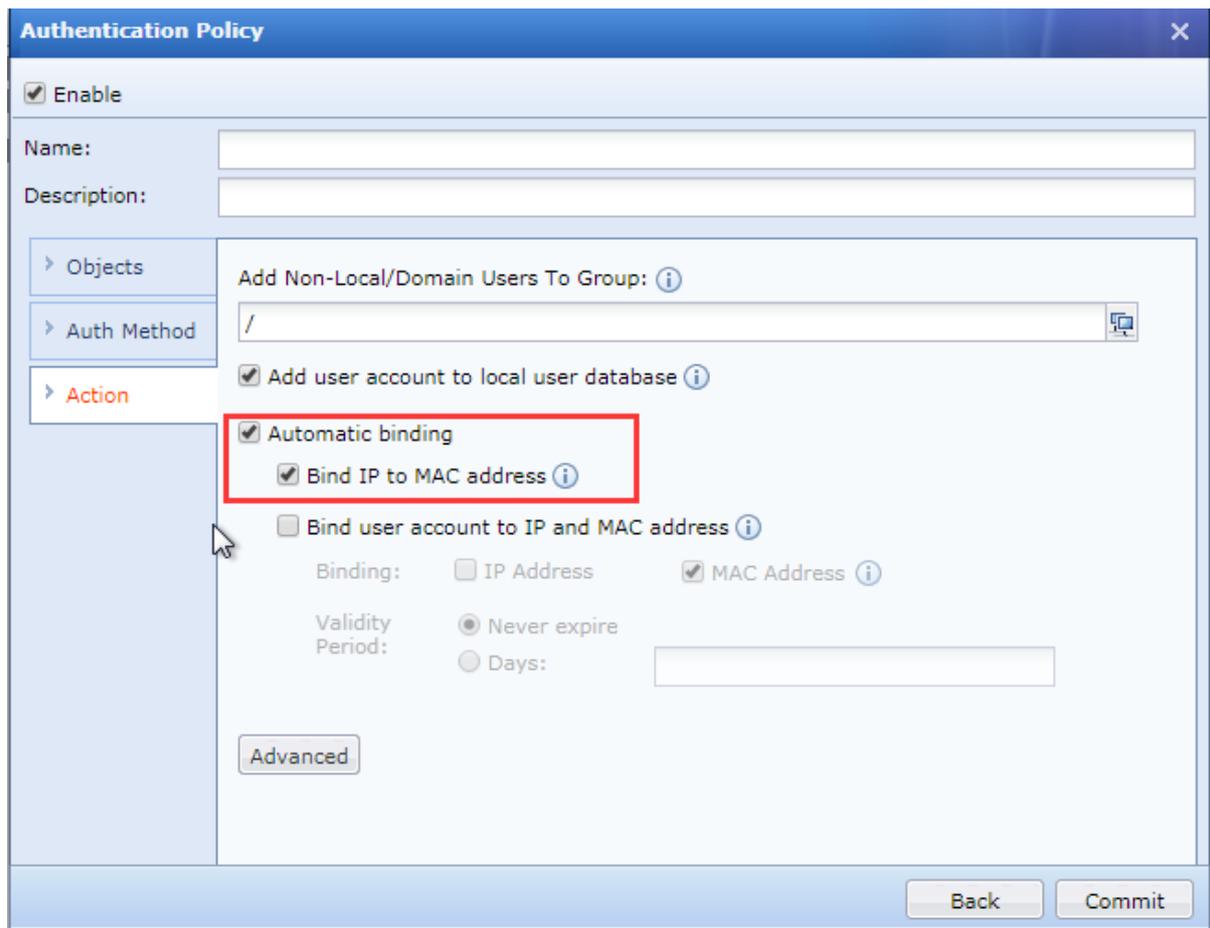
- Open authentication
- Password based
- Single Sign-On(SSO)
- None (requests are rejected always)

Username

- Auto assigned:
- Obtain during self registration:

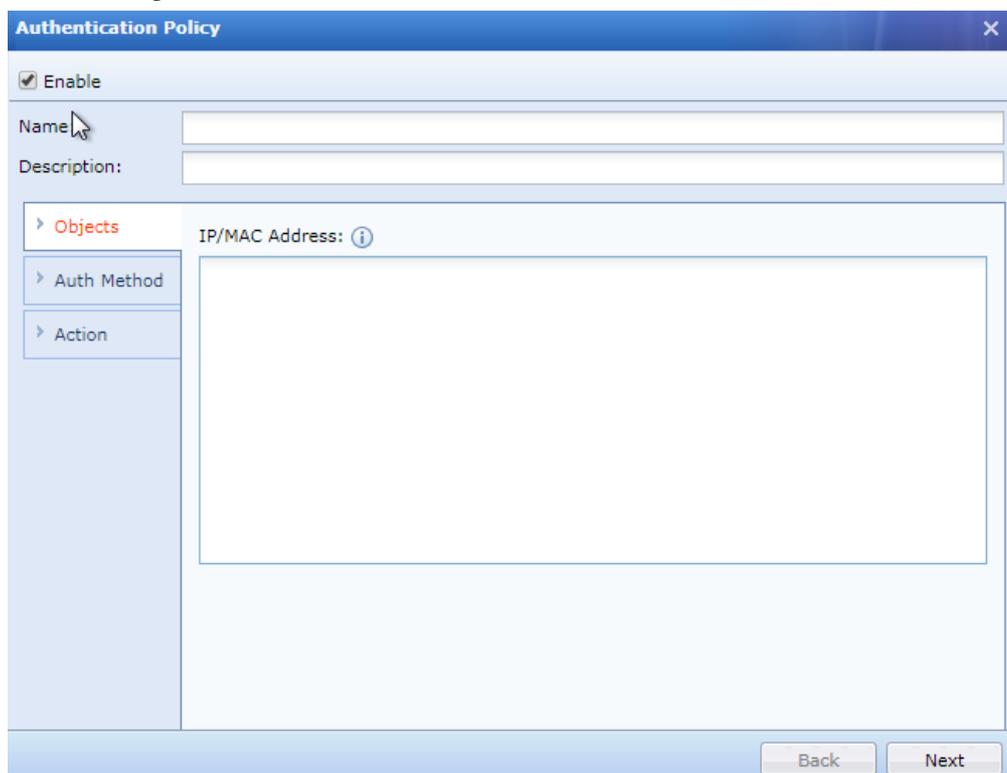
Back Next

3. Select automatic bind IP and Mac address after authentication.

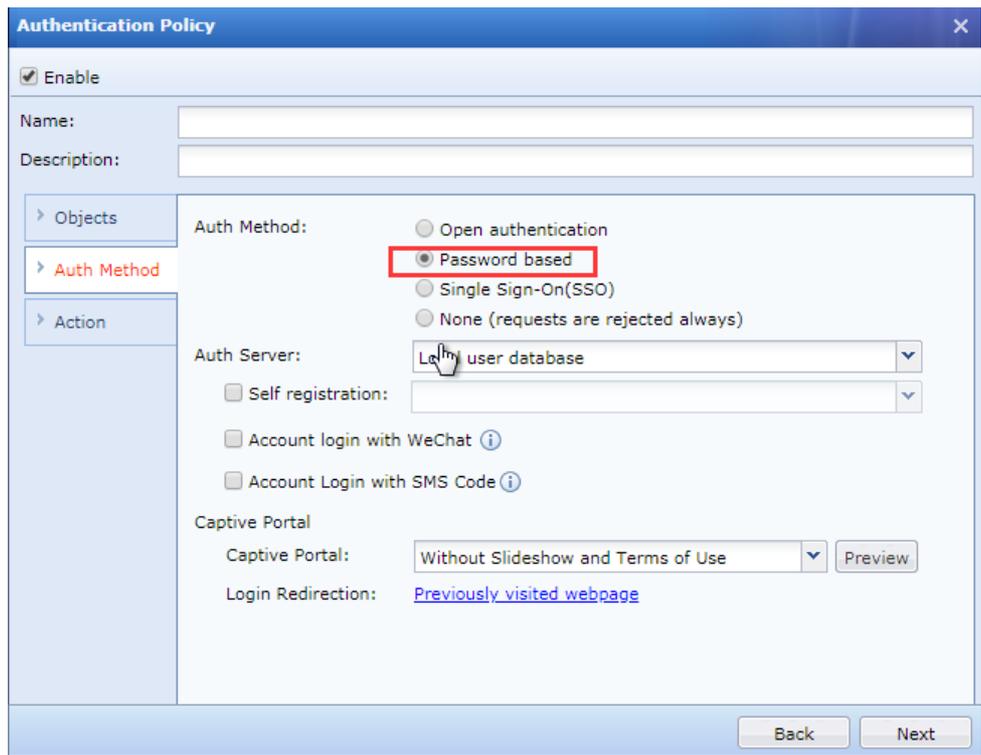


## 2.2 Password base authentication

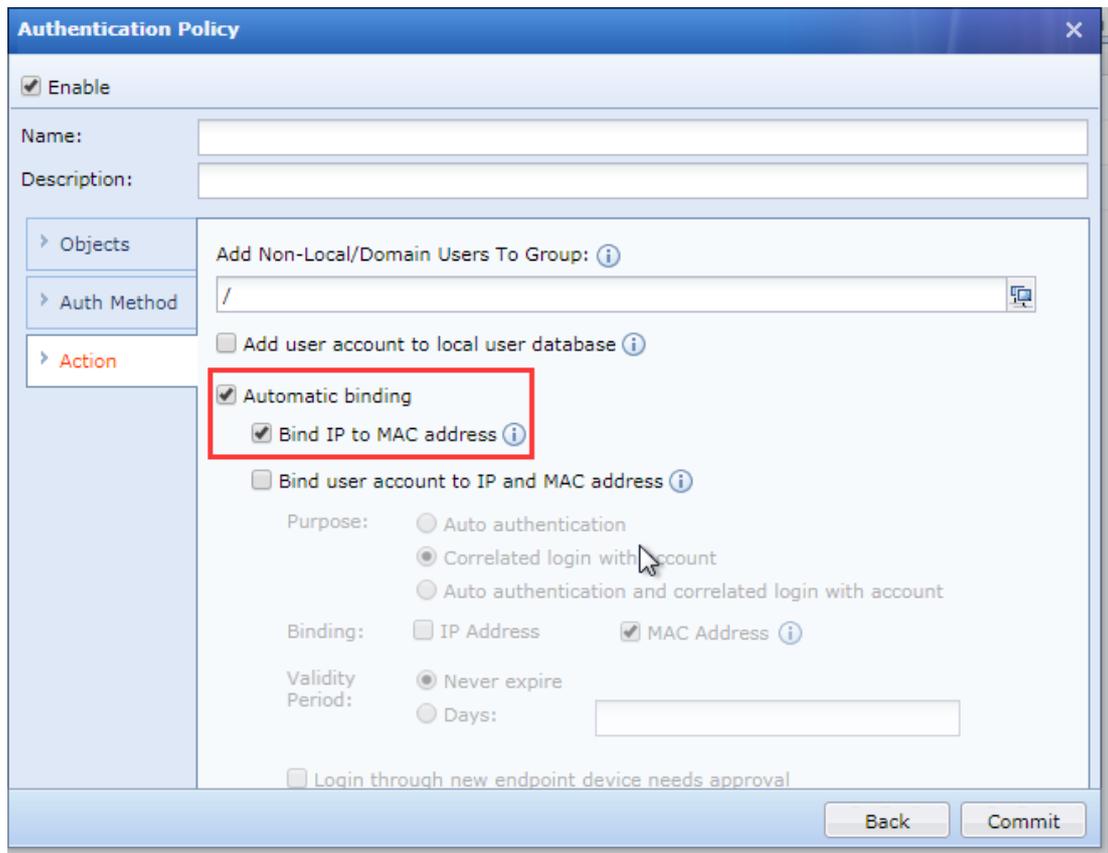
1. Fill in the IP range and Mac address.



2. Authentication method choose password based.

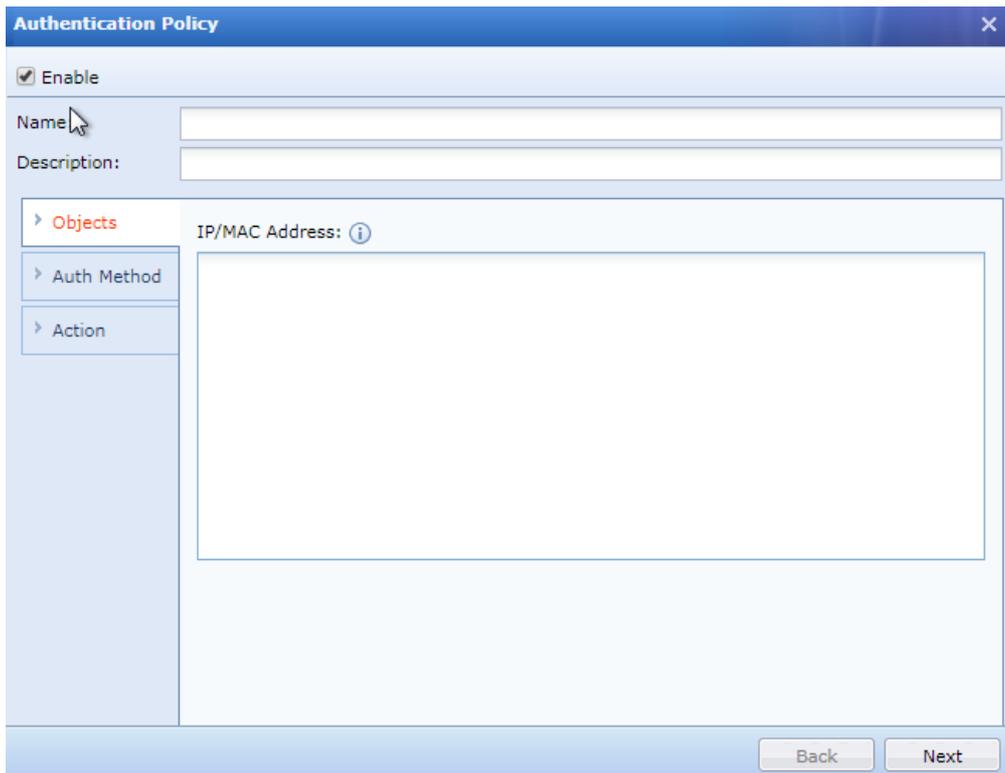


3. Select automatic bind IP and Mac address after authentication.

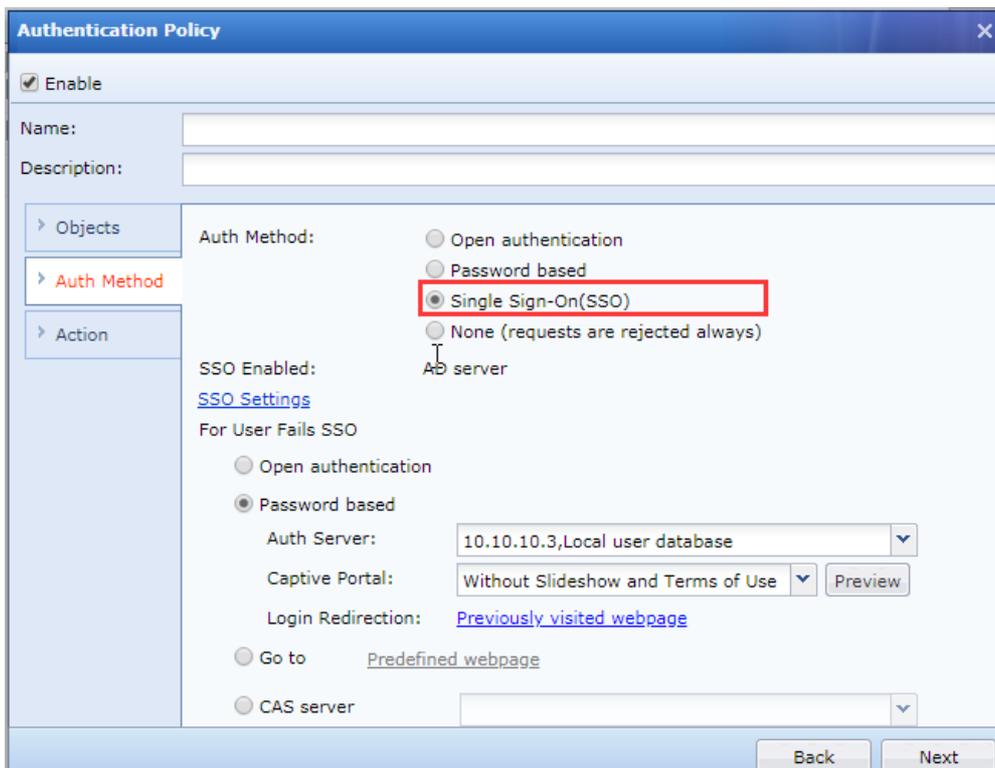


## 2.3 Authentication with SSO

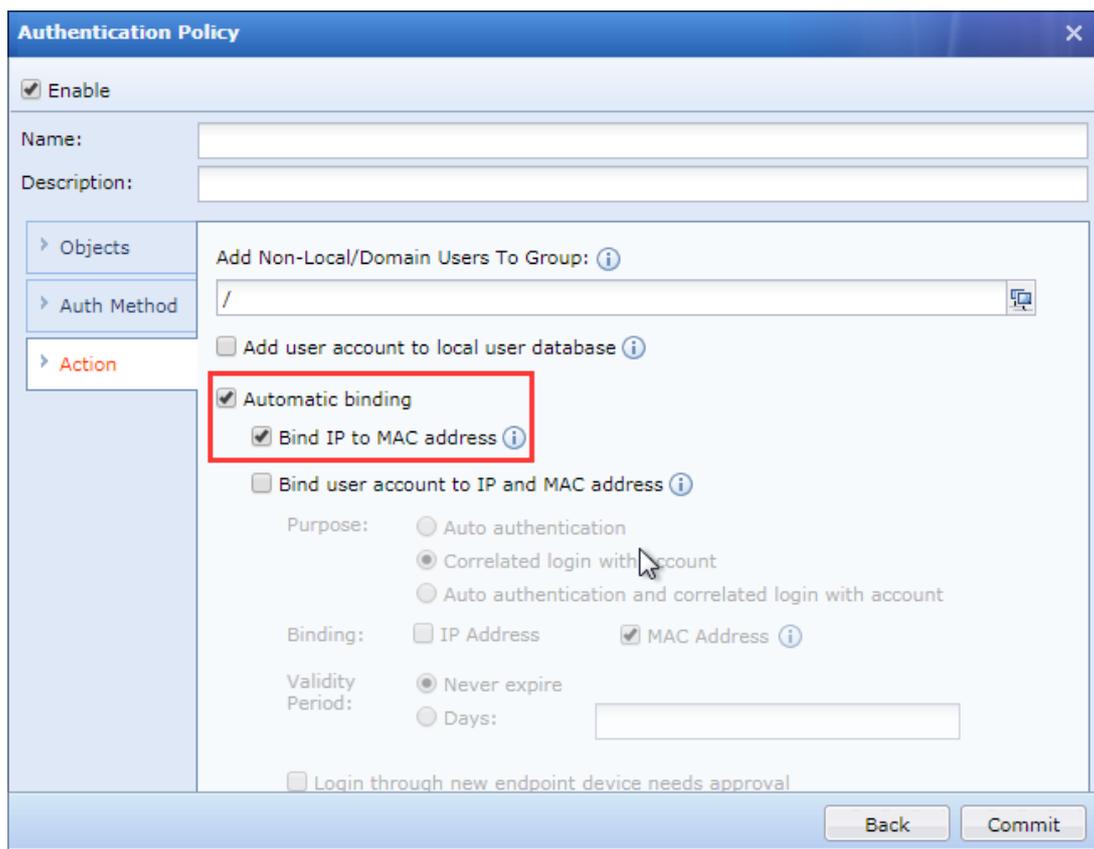
1. Fill in the IP range and Mac address



2. Authentication method choose SSO, when fails SSO can choose either Open Authentication or password based to login.

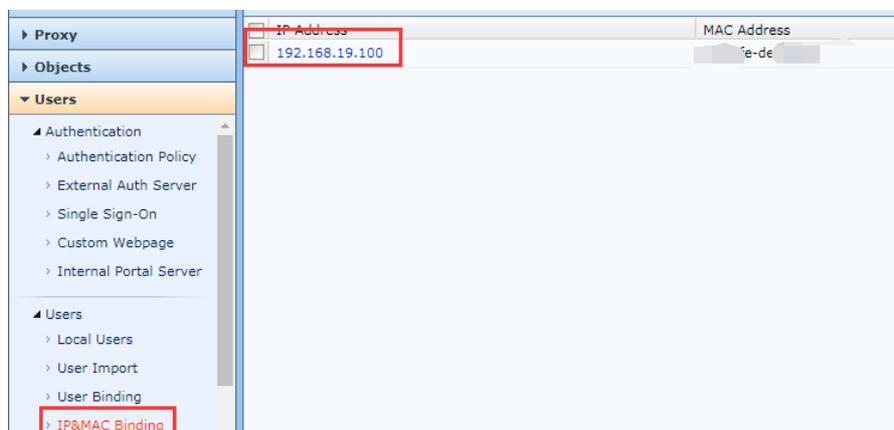


3. Select automatic bind IP and Mac address after authentication.



## Chapter 3 Testing result

1. Internal IP will bind IP/Mac automatically.



2. When IP/Mac address not matched, data will reject by IAM.

## Chapter 4 Precaution

1. Please do not use IP/Mac address bind when using DHCP environment.
2. For password authentication or single sign-on users, the user and IP/MAC binding relationship must be automatically entered. Only the user name will be log.



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