



# ??Keycloak ??????

## 1?? LDAP ?? AD

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User Federation → LDAP

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☐☐	☐
Vendor	Active Directory
Connection URL	ldap://192.168.0.5:389
Bind DN	CN=ldapbind,OU=ServiceAccounts,DC=shuncom,DC=local
Bind Credential	*****
Users DN	DC=shuncom,DC=local
Import Users	✓ ON
Edit Mode	READ_ONLY

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☐ LDAP ☐☐☐☐

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Import Users = ON

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AD ☐☐

# ??Keycloak Role / Group ??????????

## 2?? ?? Mapper?????



LDAP → Mappers



## ? Mapper 1?????

Name	value
ldap attribute	sAMAccountName
user attribute	username

## ? Mapper 2????

| LDAP | mail |  
| RAGFlow | email |

## ? Mapper 3?AD Group ? Keycloak Group

Mapper Type	group-ldap-mapper
Groups DN	OU=Groups,DC=shuncom,DC=local
Membership attribute	member

## ??Keycloak ? RAGFlow ?????

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# 3?? ? Keycloak ?? Realm Roles



- ragflow-admin
- ragflow-user
- ragflow-reader

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# 4?? Group ? Role ??

Keycloak□

Group → Role Mapping



AD Group	RAGFlow Role
IT_Admin	ragflow-admin
AI_User	ragflow-user

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# ??RAGFlow ??????????

□□□ docker-compose □□□□□□

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# ? 1. ???ID?????????

0AUTH2\_USER\_ID\_CLAIM=email

□□□□ sub

---

# ? 2. ??????????????

REGISTER\_ENABLED=1

## ? 3. ?? OIDC

0AUTH2\_ENABLE=True

0AUTH2\_TYPE=oidc

## ? 4. ??????????

0AUTH2\_AUTO\_CREATE\_USER=true

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## ??RAGFlow ????????????

RAGFlow ■■■■    OIDC claims□

■■■■    Keycloak □

## 5?? Client Mapper????

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Client → ragflow → Mappers

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## ? Mapper 1?roles

Name	roles
Mapper Type	User Realm Role

Name	roles
Token Claim Name	roles
Add to ID token	ON
Add to access token	ON

## ? Mapper 2?groups

Name	groups
Mapper Type	Group Membership
Token Claim	groups

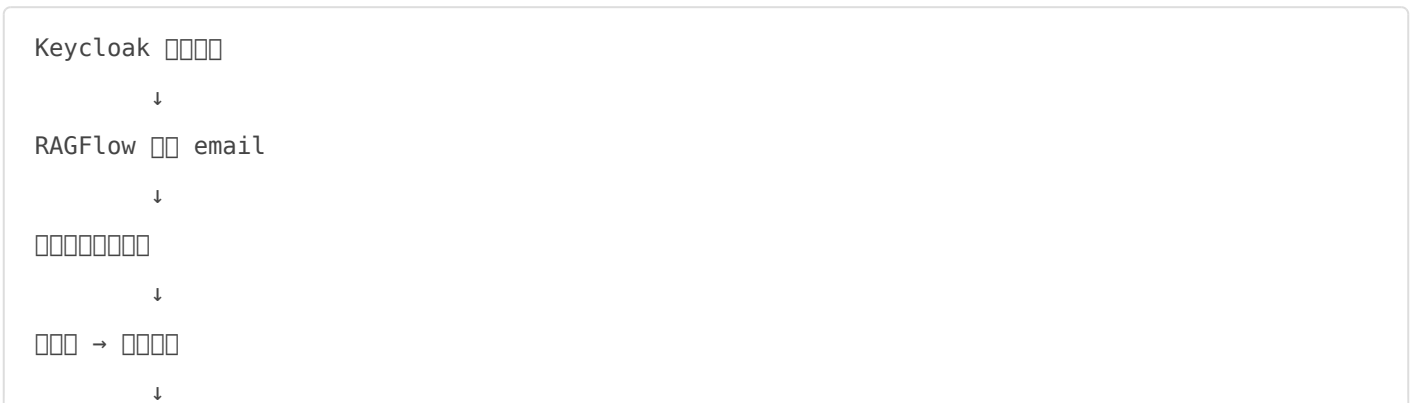
# ??RAGFlow ??????

RAGFlow [ ] [ ] [ ] [ ]

```
{
  "email": "8108@shuncom.local",
  "groups": ["AI_User"],
  "roles": ["ragflow-user"]
}
```

# ????????????????????

[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]



role/group

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docker-compose.yml??????

```
environment:  
  - OAUTH2_ENABLE=True  
  - OAUTH2_TYPE=oidc  
  - OAUTH2_DISPLAY_NAME=AD????  
  
  - OAUTH2_AUTHORIZATION_URL=http://192.168.4.16:8081/realms/shuncom/protocol/openid-  
connect/auth  
  - OAUTH2_TOKEN_URL=http://192.168.4.16:8081/realms/shuncom/protocol/openid-connect/token  
  - OAUTH2_USERINFO_URL=http://192.168.4.16:8081/realms/shuncom/protocol/openid-  
connect/userinfo  
  
  - OAUTH2_CLIENT_ID=ragflow  
  - OAUTH2_CLIENT_SECRET=xxxx  
  
  - OAUTH2_REDIRECT_URI=http://192.168.4.16/oauth/callback  
  
  - OAUTH2_USER_ID_CLAIM=email  
  - REGISTER_ENABLED=1
```

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? AD????RAGFlow

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? AD???????

? Keycloak?????

? RAGFlow???????

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□□□□□□□□

? AD? ? RAGFlow?????

? ????????????????

? ???????AD??

? LDAP?????

? HTTPS + ??SSO?????

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“□□□□□ SSO□□□□”

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Keycloak□□□□

+ LDAP□□

+ RAGFlow□□

docker-

compose□ □

Revision #1

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