

BackBox WebUI Login via LDAP Server

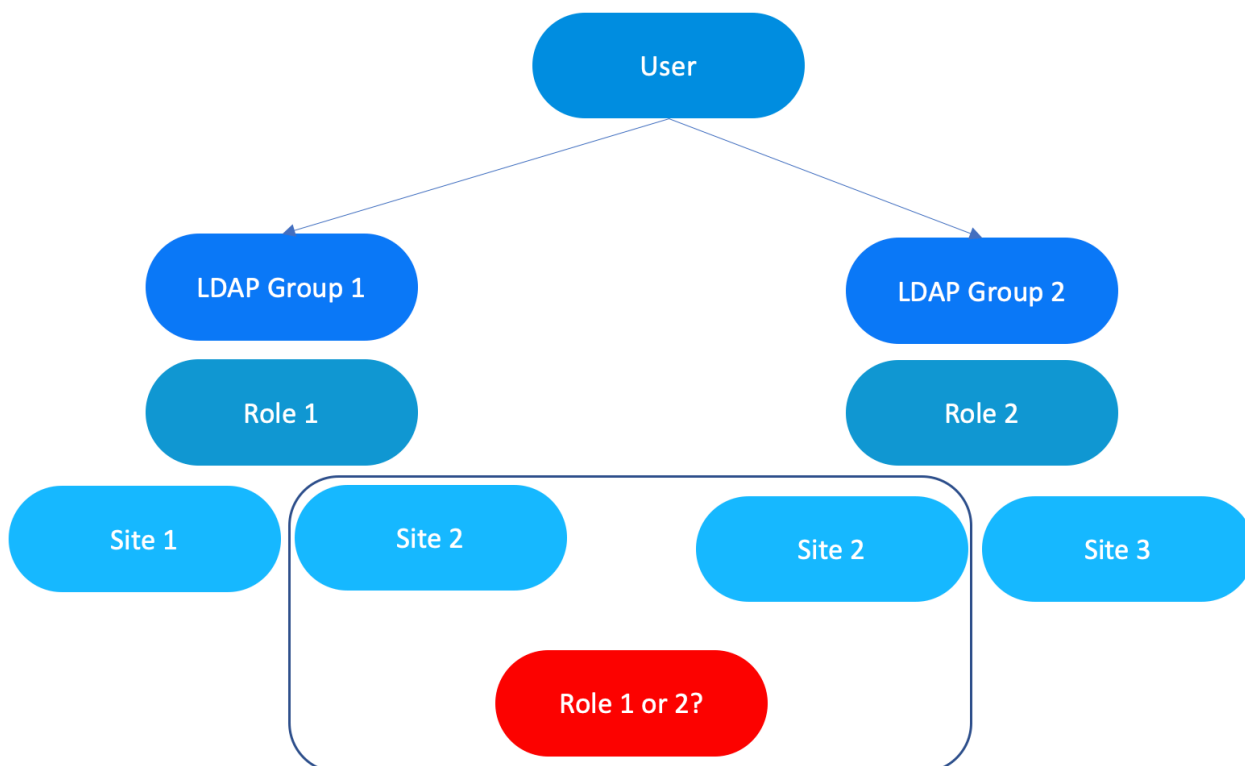
Issue:

Ambiguous roles are assigned to a logged in user when the user is a part of 2 or more LDAP groups that are defined in BackBox and each group has a different role assigned.

Scenario:

An LDAP user logs in to BackBox, the user is part of both LDAP Group 1 and LDAP Group 2. LDAP Group 1 is assigned Role 1, LDAP Group 2 is assigned Role 2.

LDAP Group 1 is assigned to Site 1 and Site 2, LDAP Group 2 is assigned to Site 2 and Site 3. Which Role should the User get when managing Site 2? Role 1 or Role 2?



Solution:

A new login prompt will appear if the user logging in is assigned to more than 1 LDAP group. Login process will be as follows:

1. User logs in and authenticates
2. BackBox queries LDAP for list of assigned groups
3. BackBox matches to list of existing LDAP groups
4. User gets prompted with matched groups to choose from
5. User is logged in with group context that contains all assigned sites and a single Role

API Implications:

Due to this change, any customer using the BackBox API in this scenario will need to change the login process:

1. Get cookie
2. Login with LDAP credentials
3. Check which LDAP groups the user belongs to
4. Choose LDAP group to login with

API Reference:

Before 6.33.05:

1. GET COOKIE:

```
curl -X GET -k -c cookies 'https://BACKBOX' -L
```

2. LOGIN:

```
curl -X POST -k -b cookies -c cookies -H 'Content-Type: application/x-www-form-urlencoded; charset=utf-8' -d 'j_username=USERNAME&j_password=PASSWORD' 'https://BACKBOX/j_security_check' -L
```

(Response should contain dist/js/vendors.bundle.js)

6.33.05 and above:

1. GET COOKIE:

```
curl -X GET -k -c cookies 'https://BACKBOX' -L
```

2. LOGIN:

```
curl -X POST -k -b cookies -c cookies -H 'Content-Type: application/x-www-form-urlencoded; charset=utf-8' -d 'j_username=USERNAME&j_password=PASSWORD' 'https://BACKBOX/j_security_check' -L
```

(Response should contain dist/js/vendors.bundle.js)

3. Check user for multiple groups:

```
curl -k -b cookies 'https://BACKBOX/rest/data/authentication/busers/userRelatedLdapGroups'
```

Response should be (USERNAME should choose one group from multiple LDAP groups)

4. RECEIVE LDAP INFO:

```
curl -k -b cookies 'https://BACKBOX/rest/data/authentication/busers/userRelatedLdapGroups' -L | jq '.'
```

(response is json of ldap groups by ID)

5. CHOOSE LDAP GROUP BY ID:

```
curl -k -b cookies -c cookies 'https://BACKBOX/rest/data/authentication/busers/updateUserLdapSelection' -H 'Content-Type: application/json; charset=UTF-8' -d 'LDAP_GROUP_ID'
```