

# Error 33130 When Creating contained User

Last updated by | Soma Jagadeesh | Feb 17, 2022 at 3:48 AM PST

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## Issue

When trying to Create a contained user with external provider using the below command for a Active Directory Group

```
create user [ABC - XYZ]
from external provider
```

**Msg 33130, Level 16, State 1, Line 1 Principal 'ABC – XYZ' could not be found or this principal type is not supported.**

## Investigation/Analysis

First you would need to check if the Object is available in Azure AD You can run the below once you get the object ID and check the length from Azure CLI

```
$a=Get-AzADGroup -ObjectId <ObjectID>
($a.DisplayName).length
```

First confirm that you are able to get the output and then run the below

```
$b="<Name of Group used in SQL query>"
$b.length
```

If you can confirm the length is same the length we are using in SQL command you can be usure that there are no extra charater or space avilable in AD

The above issue can also happen if there are some special charater in the name. In the above case the ABC - XYZ and ABC – XYZ are different.

You can use the String to ASCII to Confirm that

```
ABC - XYZ --> 65 66 67 32 45 32 88 89 90
ABC - XYZ --> 65 66 67 32 226 128 147 32 88 89 90
```

## Mitigation

Customer can change the name of the group and then run the query. Or as a workaround do the following

Get the Object ID from AD

```
Get-AzADGroup -SearchString '<Group Name>'
```

Then use that object ID to find the hex value

```
$guid = [System.guid]::Parse("f1d5fca2-9f57-4886-a064-54dde92edf64"); #--Object ID of the Group
$accountsid = [System.String]::Empty;
foreach ($b in $guid.ToByteArray()) {????? $accountsid += [System.String]::Format("{?????0:X2}?????", $b); }??
$accountsid = "0x" +
$accountsid; $accountsid
```

Once you have SID in Hex eg :0xA2FCD5F1579F8648A06454DDE92EDF64 run Use this to create user command  
create user [<GroupName>] with sid = 0xA2FCD5F1579F8648A06454DDE92EDF64, TYPE = X

## More Information (optional)

<https://www.utf8-chartable.de/unicode-utf8-table.pl?start=8192&number=128&utf8=dec> 

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## Internal Reference (optional)

<https://portal.microsofticm.com/imp/v3/incidents/details/229522239/home> 

## Root Cause Classification

Cases resolved by this TSG should be coded to the following root cause:

/Root Cause: Azure SQL v3/Security/AAD Integration/authentication/Customer Error

**\*\*How good have you found this content?\*\***

