

# User provisioning from AzureAD to IDCS

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#### **Required infomation**

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AzureAD require two URL's

Reply URL (Assertion Consumer Service URL) <a href="https://sase.com/linear/service/">base IDCS URL>//fed/v1/sp/sso</a>

Sign on URL

https://console.eu-frankfurt-1.oraclecloud.com/
Includes home region, n this case eu-Frankfurt-1

Creation of azureAD Enterprise Application from gallery

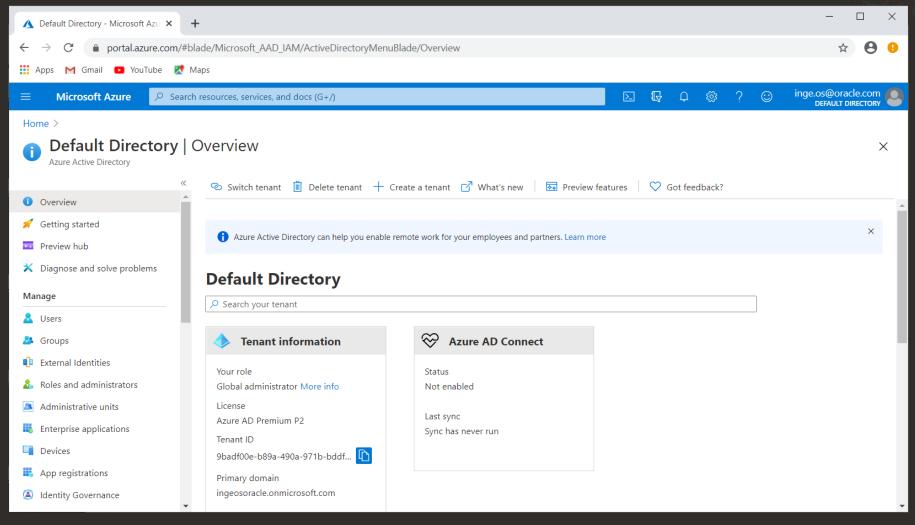
#### **Initial creation**

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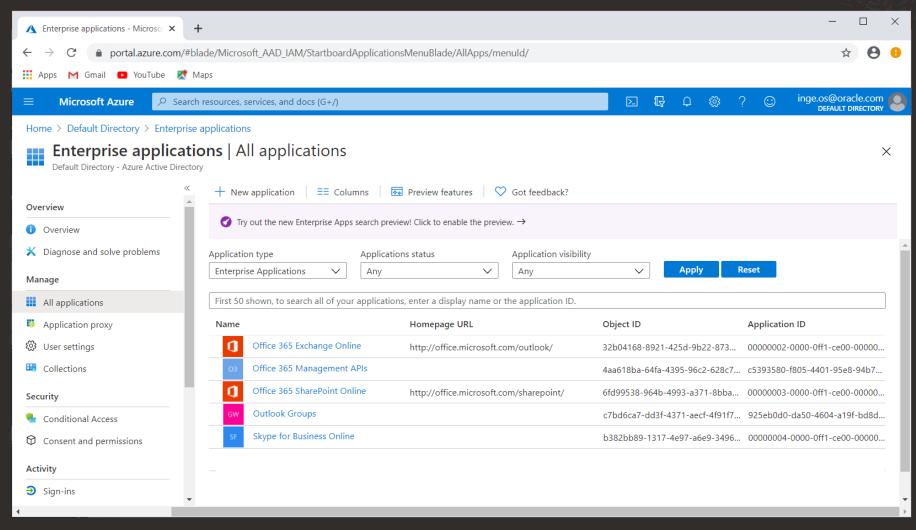
The easiest way to integrate Oracle IDCS with azureAD, is to use the Enterprise application from the Enterprise Application Gallery in azureAD

The name is a bit misleading "Oracle Cloud Infrastructure", is not for direct integration with OCI IDM, but for integration between azureAd and Oracle IDCS

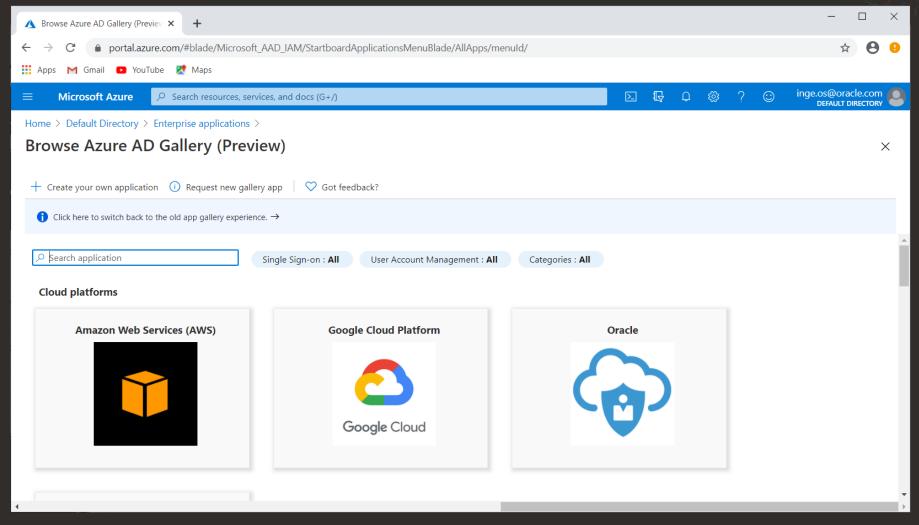
## Choose the desired directory to integrate with



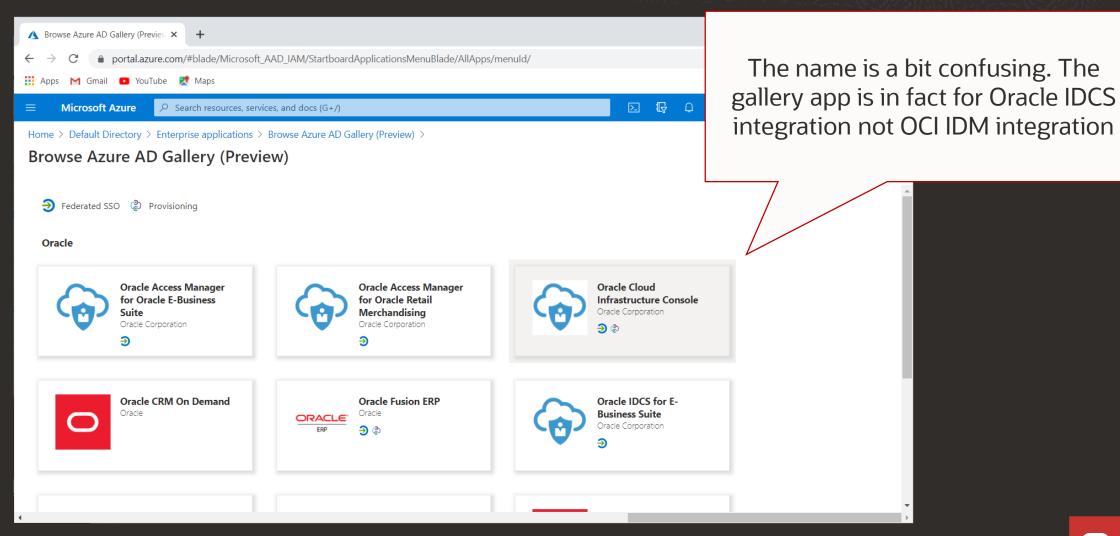
## **Select Enterprise applications**



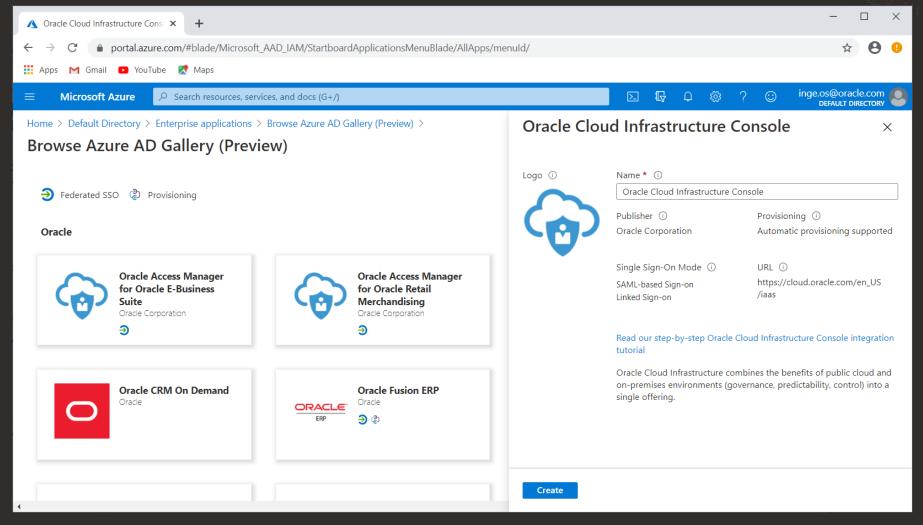
### **Choose Oracle or search for Oracle in the search box**



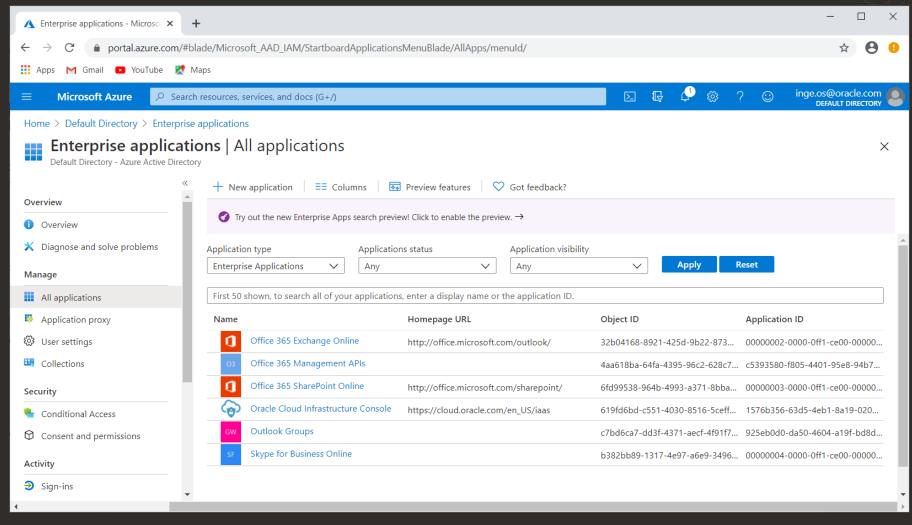
#### **Select Oracle cloud Infrastructure console**



# Click on the tile to gain access to the create panel

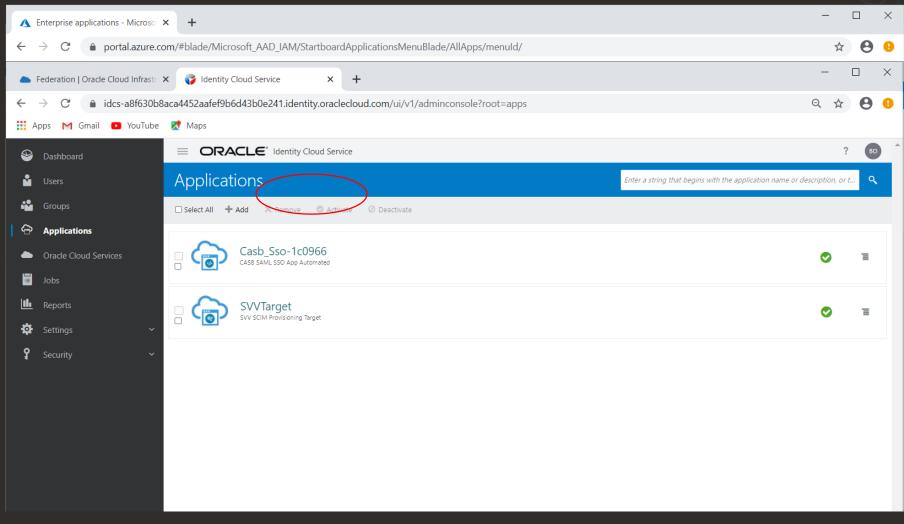


# Select the Enteprise App after it is created, for bot federation and provisioning

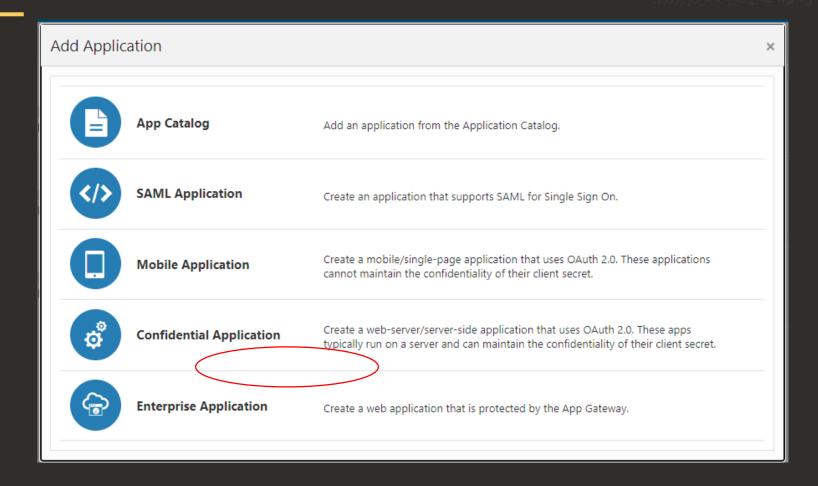


Creation of Oracle IDCS Confidential Application

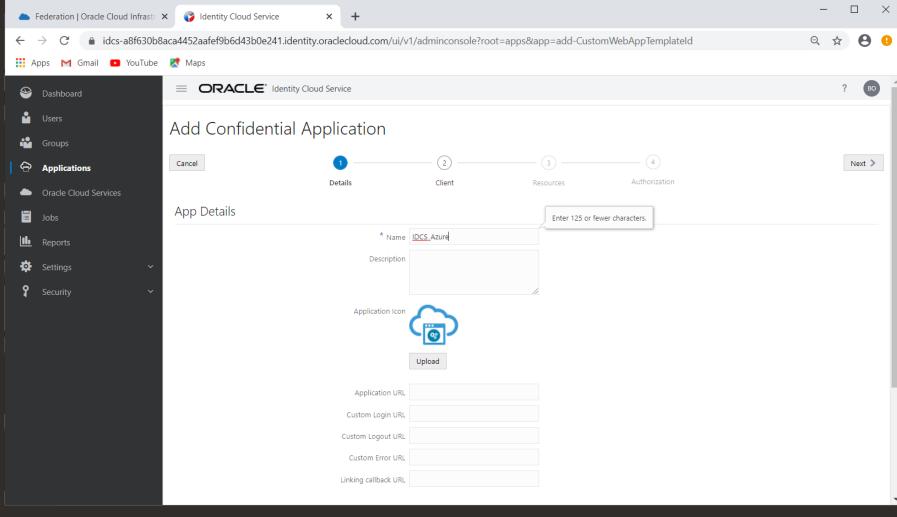
# Add a Confidential application to IDCS, click add



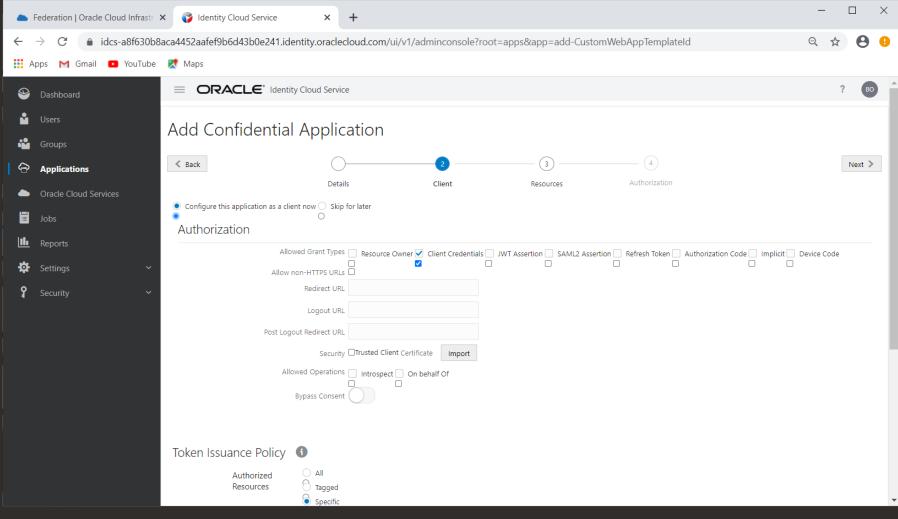
# **Select Confidential Applications**



#### Just enter the name

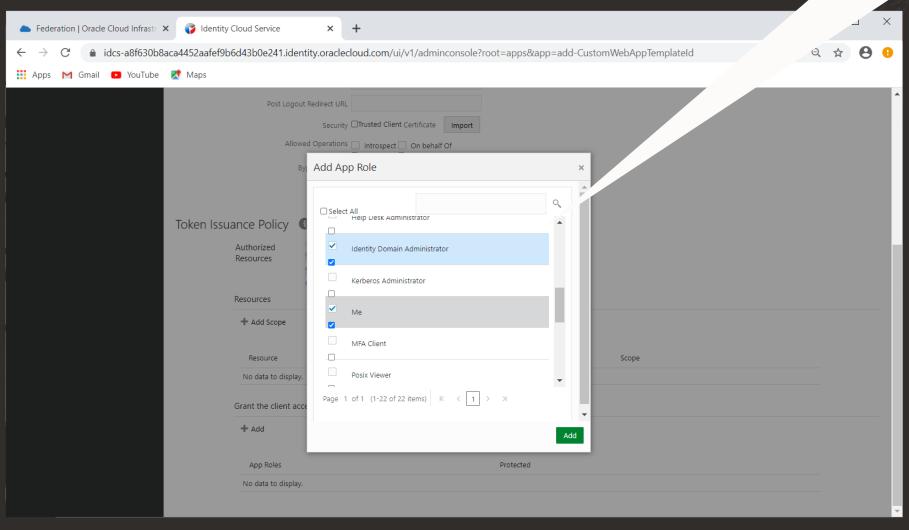


#### **Select Client Credentials**

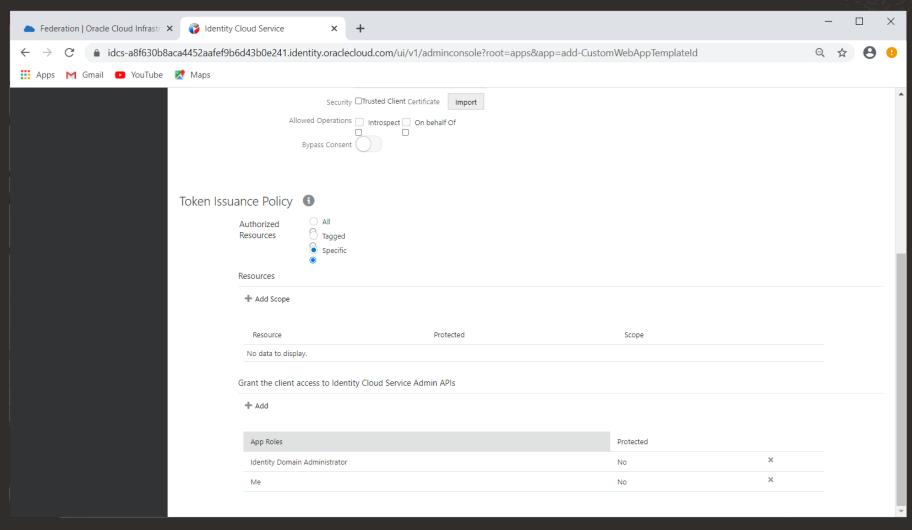


# Add applicable groups

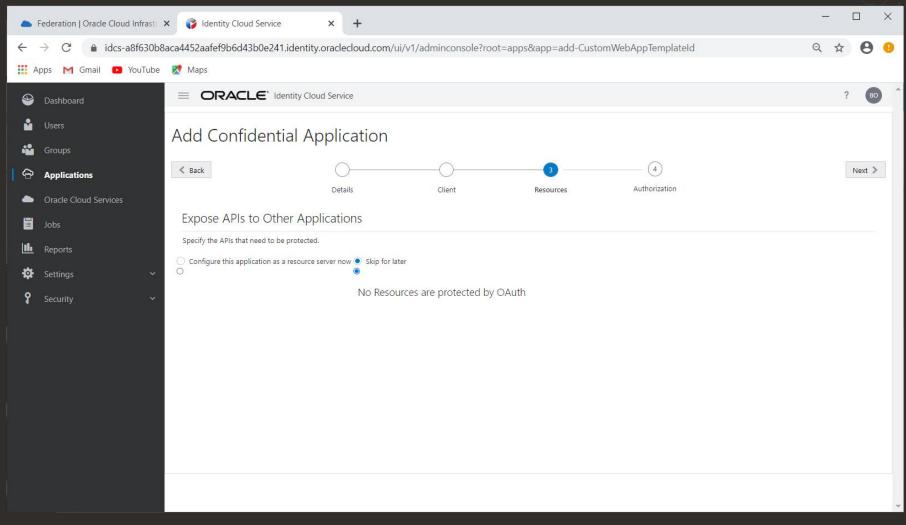
#### Select Identity Domain Administrator and Me



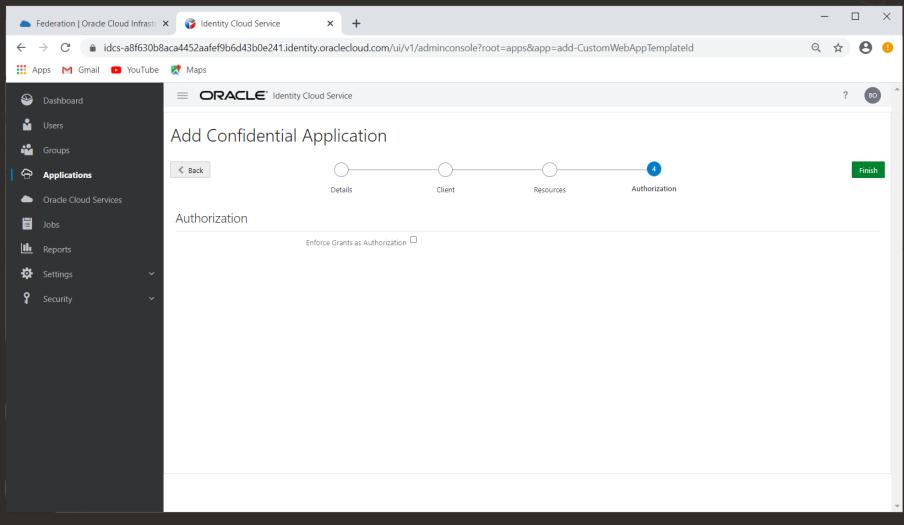
# **Confirm group selection**



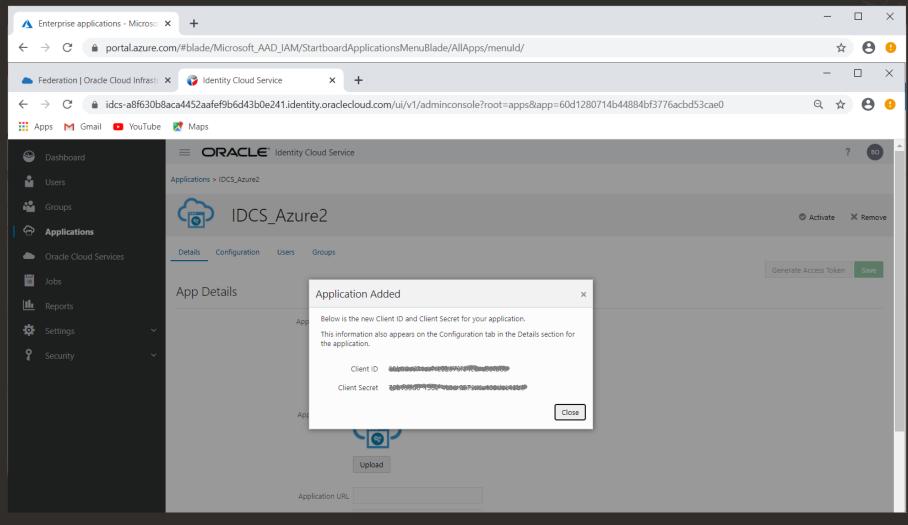
#### **Next next finnish**



#### Just next next finish



#### Take a note of the client ID and client secret



Provisioning from azureAD as IdP



## **Provisioning aka user synchronization**

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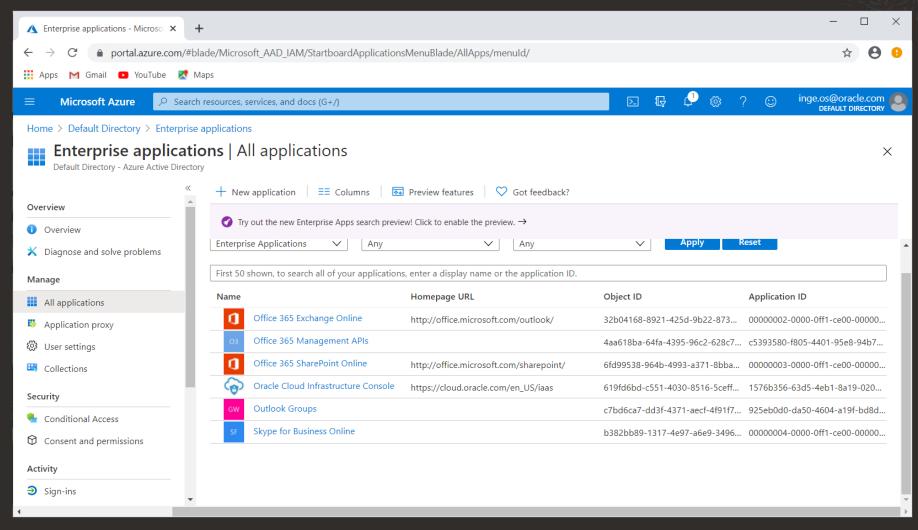
AzureAd uses Oracle SCIM REST for provisioning.

The following is required at the Oracle Side:

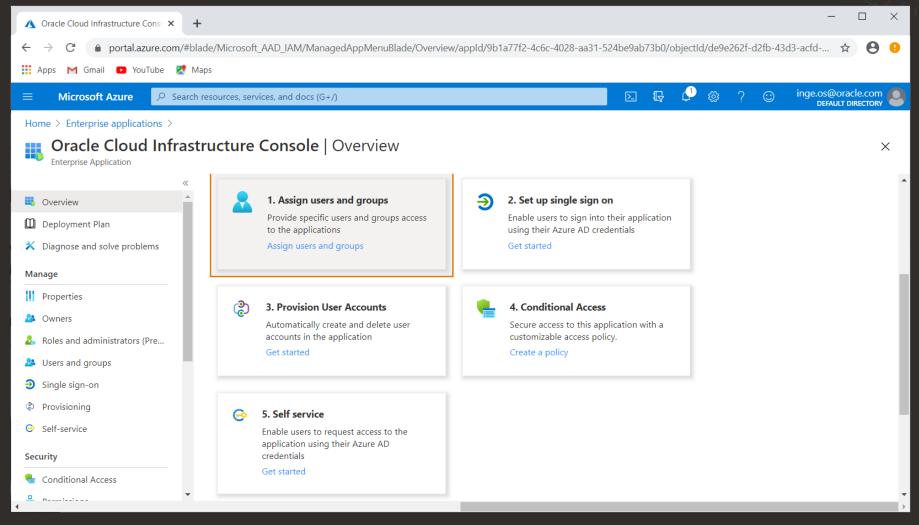
- Create an Enterprise application on the oracle side
- Grab the clientid and client secret
- Grab the full URL of the IDCS instance

#### A few concepts

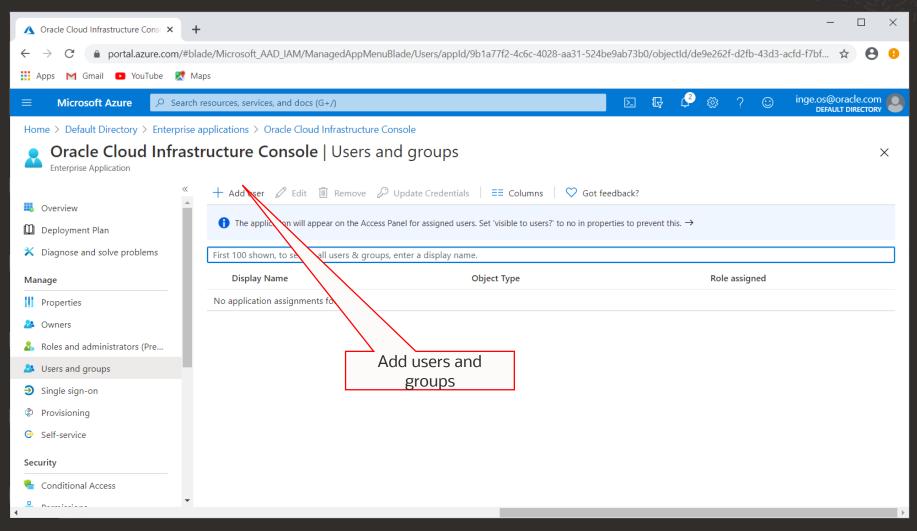
- The AzureAD enterprise app might be assigned to a user or group. If assigned to a group, only users that is a member of the group is provisioned
- The provisioning defines a set of scope, user provisioning scope/filter and group provisioning scope/filter
- Group provisioning is only group membership add/revoke. If the user is revoked from the group to be provisioned the user is not deactivated on the oracle side
- Only deleted azureAd users or users revoked form the group assigned to the enterprise app is revoked.



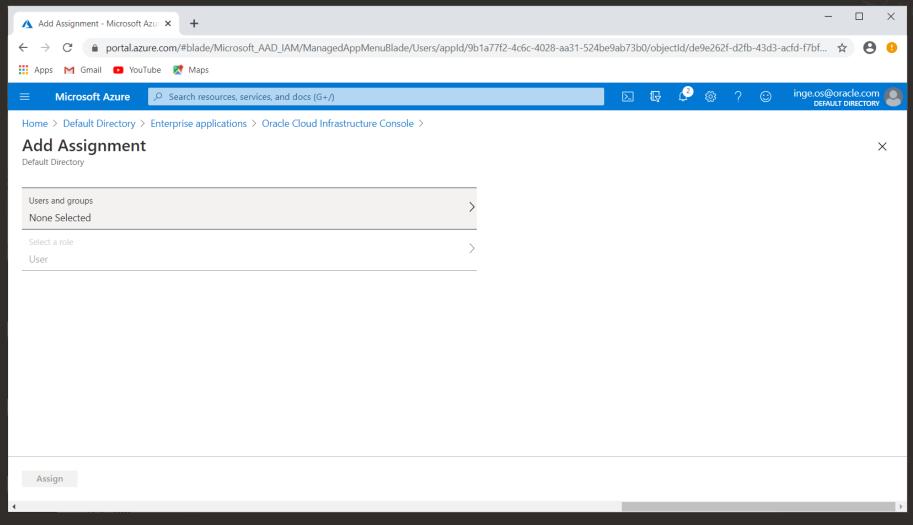
## **Select oracle OCI Enterprise app**



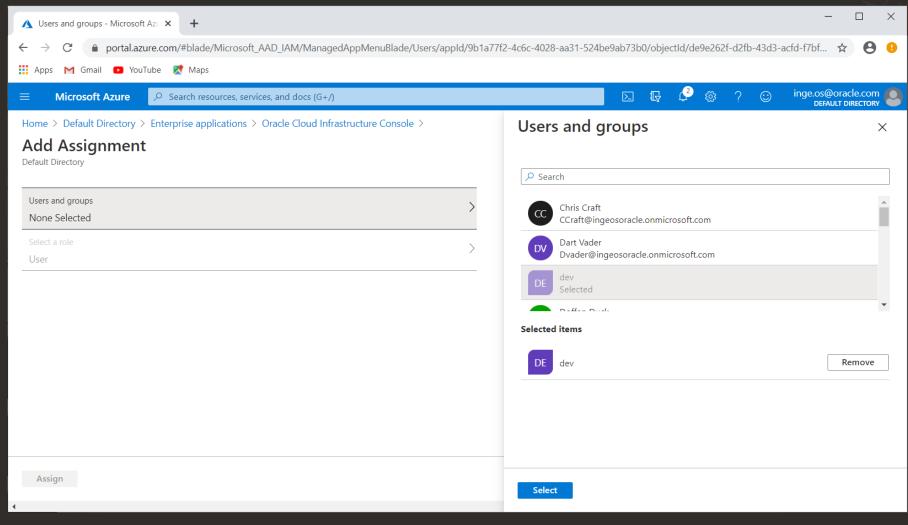
## Add group DEV to the Enteprise app

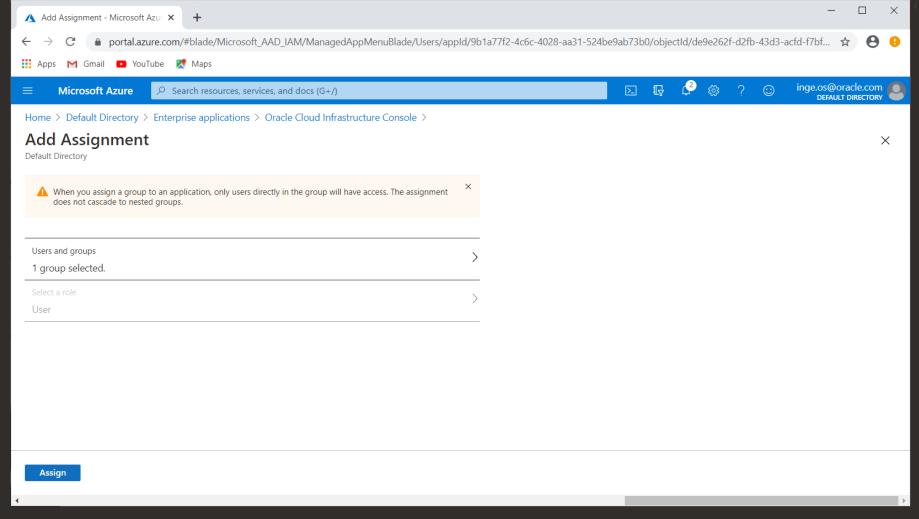


# Assign applicable group

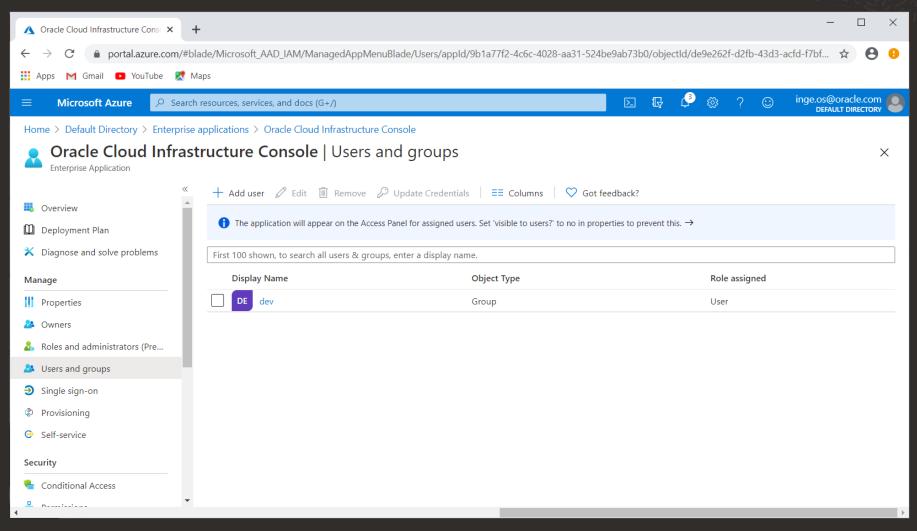


# Select group to assign to the Enterprise app

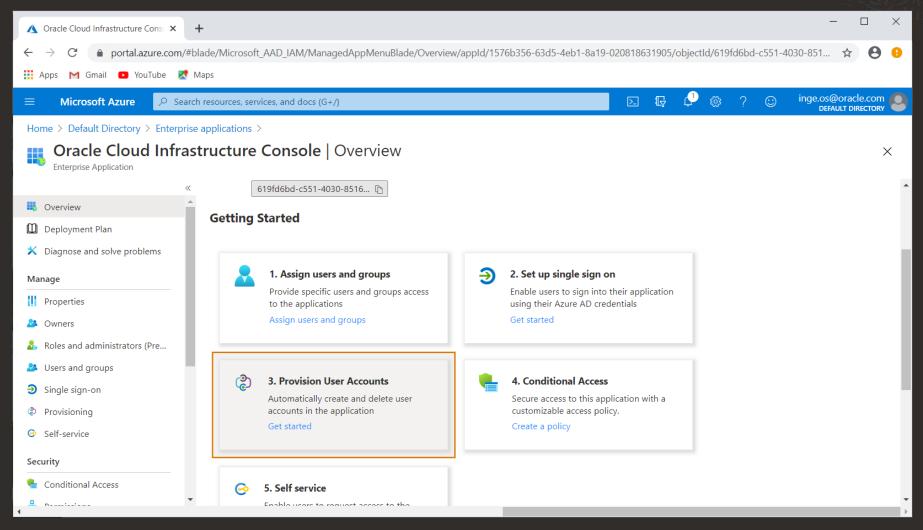


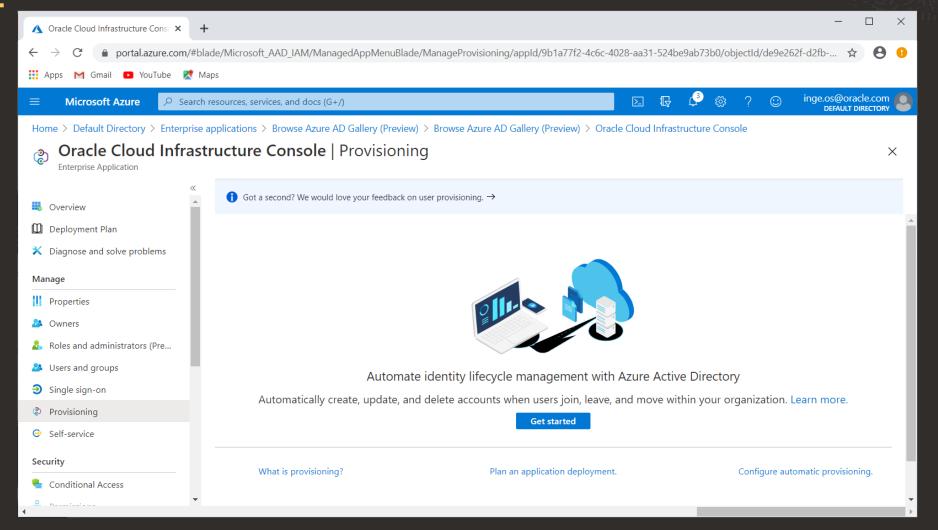


# The Enterprise app will only be applicable to users assigned to the group

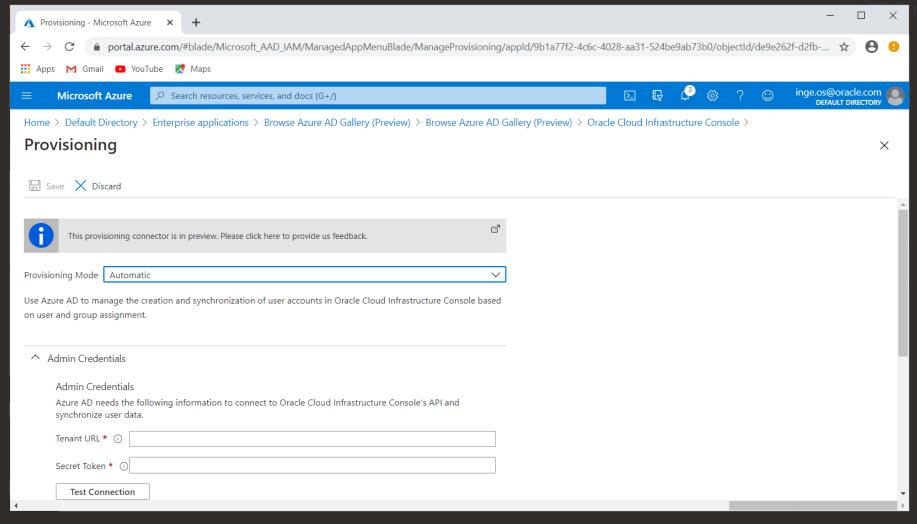


# **Select provisioning**

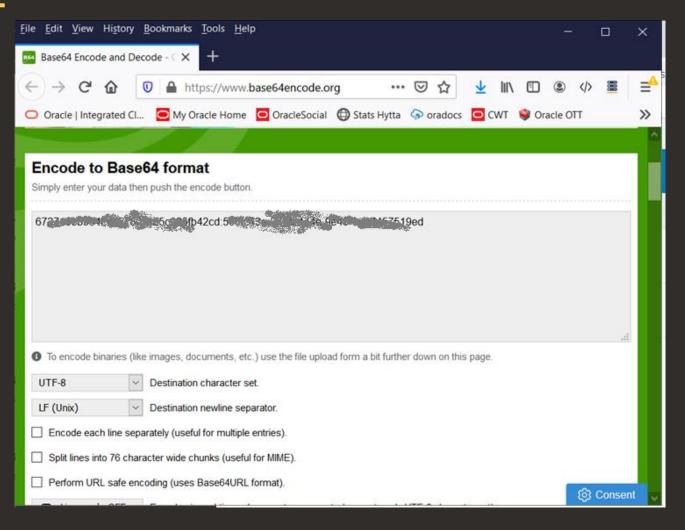




#### **Choose automatic**



#### **Base64 encode clientid:clientsecert**

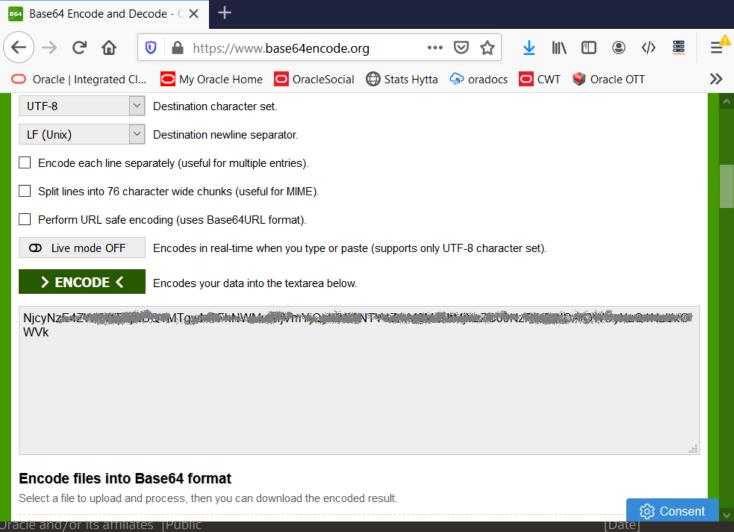


Get the clientid and client secret from the Oracle IDCS enterprise Application

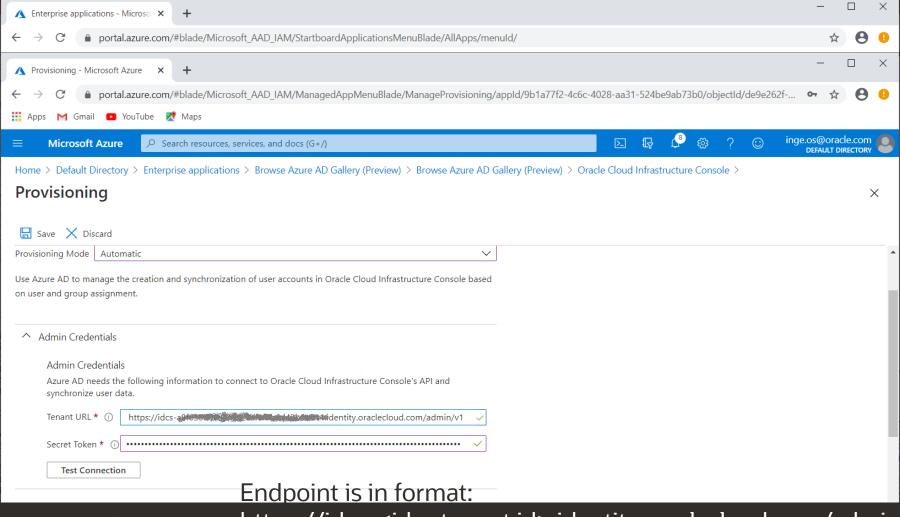
Add clientid:clientsecret

As one string and base 64 encode it Simple tool at https://www.base64encode.org/

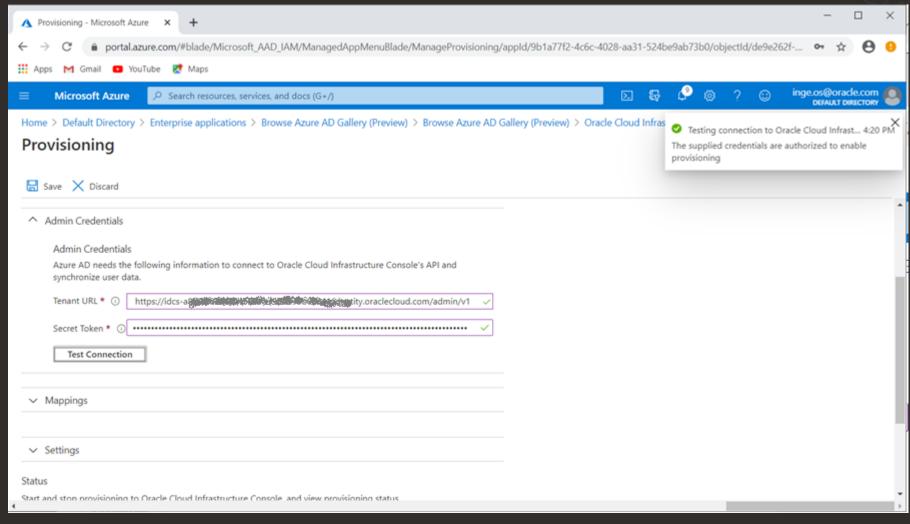
## The base 64 clientid:clientsecret, copy it



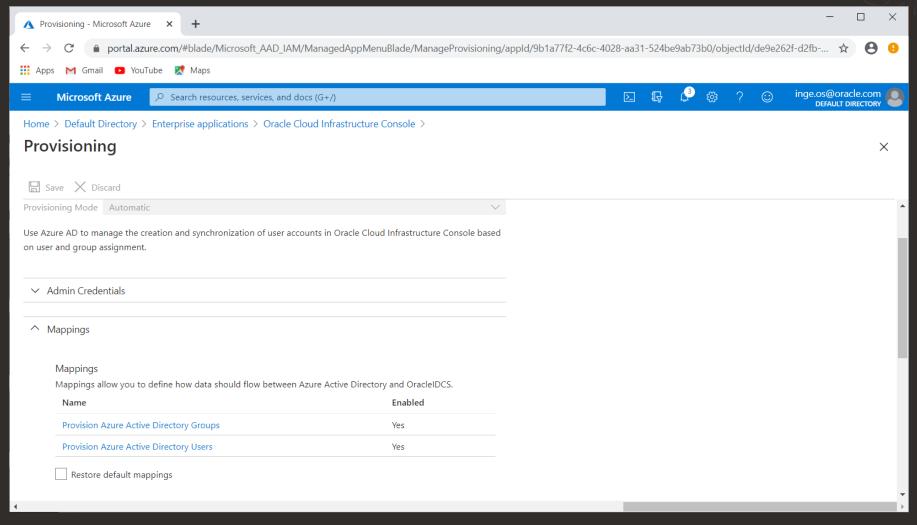
# Add credentials from previous slide and IDCS endpoint



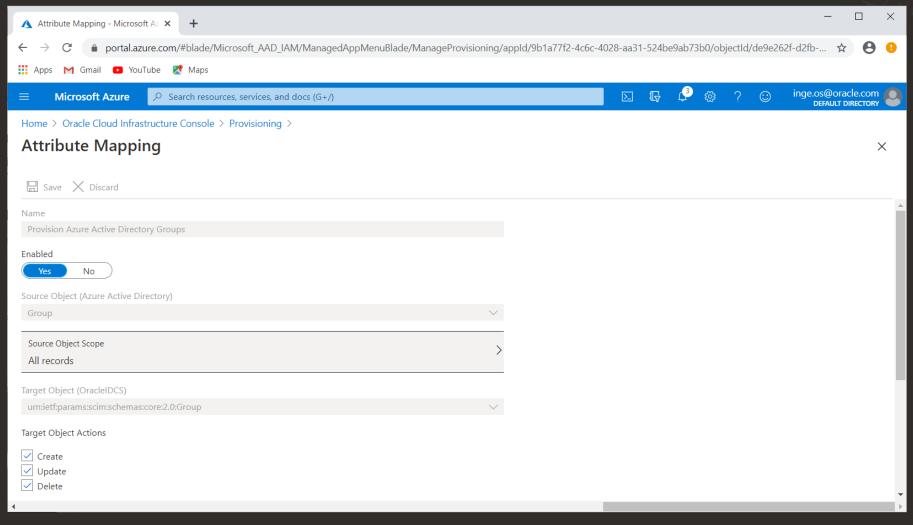
## **Test and progress when success**



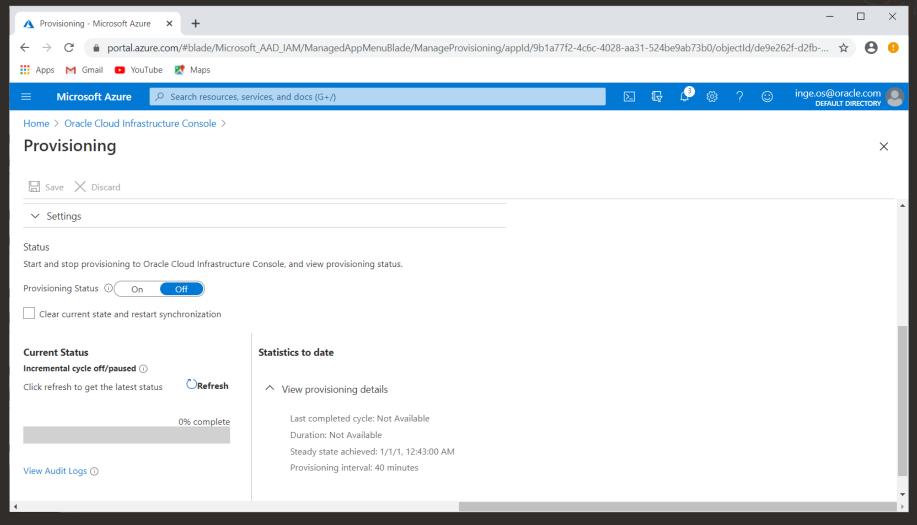
# Leave default mapping as is, if required add groups the users shall be added as mebers of in group scope definition



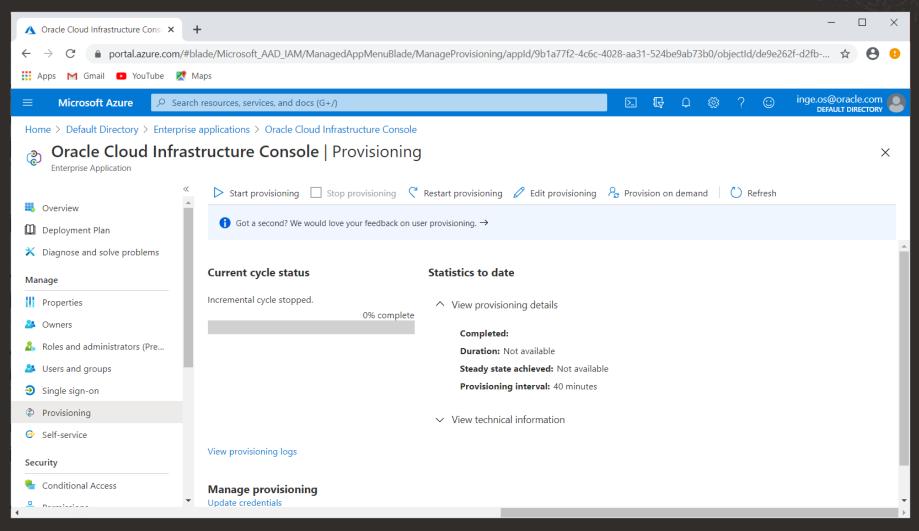
## **Enable provisioning, and save**



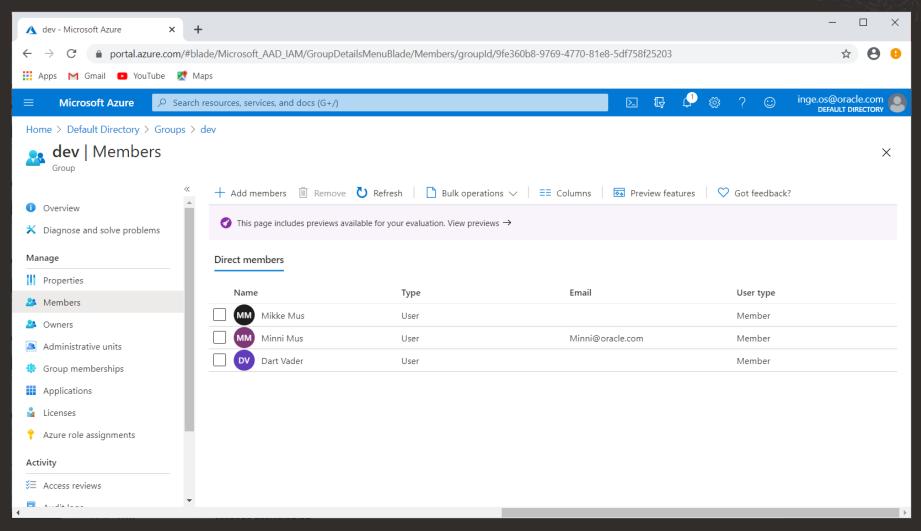
## **Enable provisioning status display, and save**



## **Click start provisioning when ready**



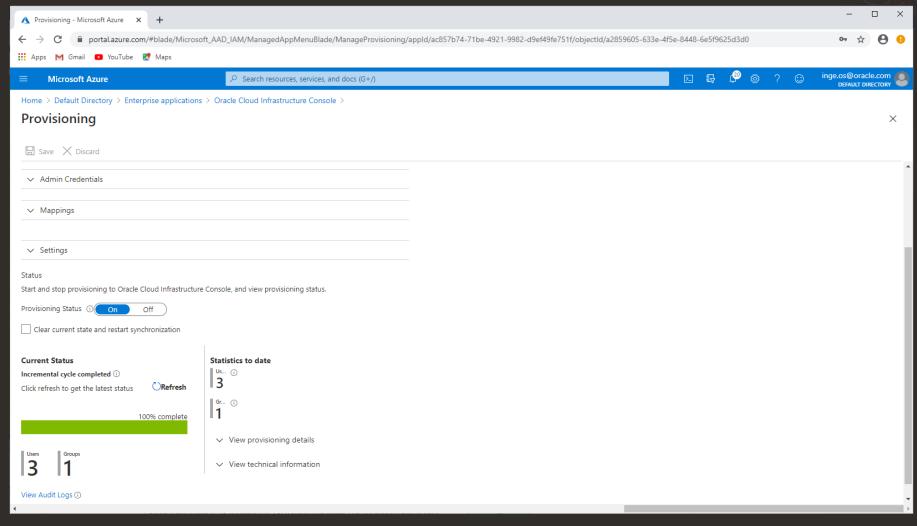
## Verify members of group to be provisioned.



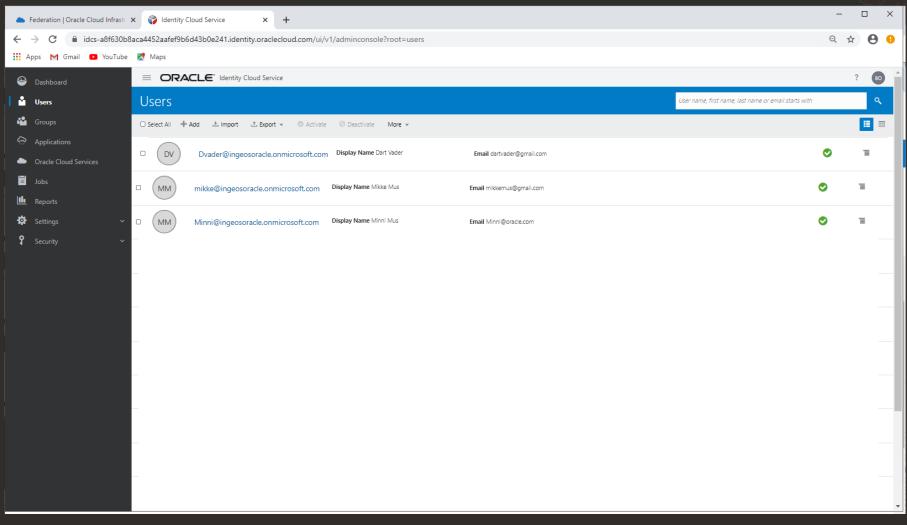
The group is the one initially assigned to the Enterprise app



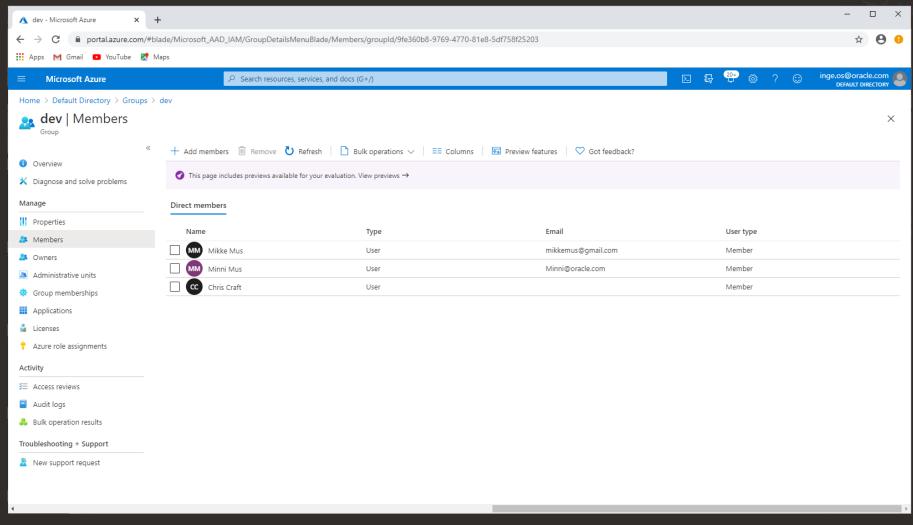
#### Status of initial run.



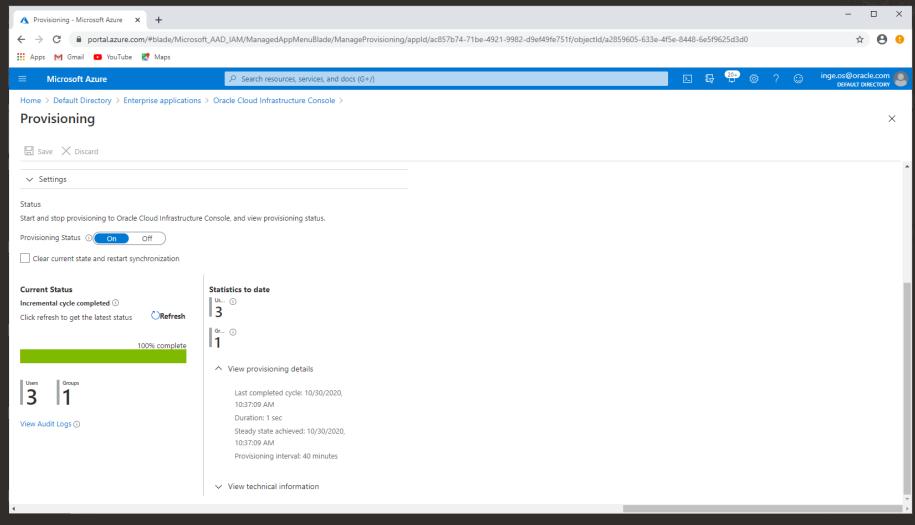
## Verify that users has been provisioned



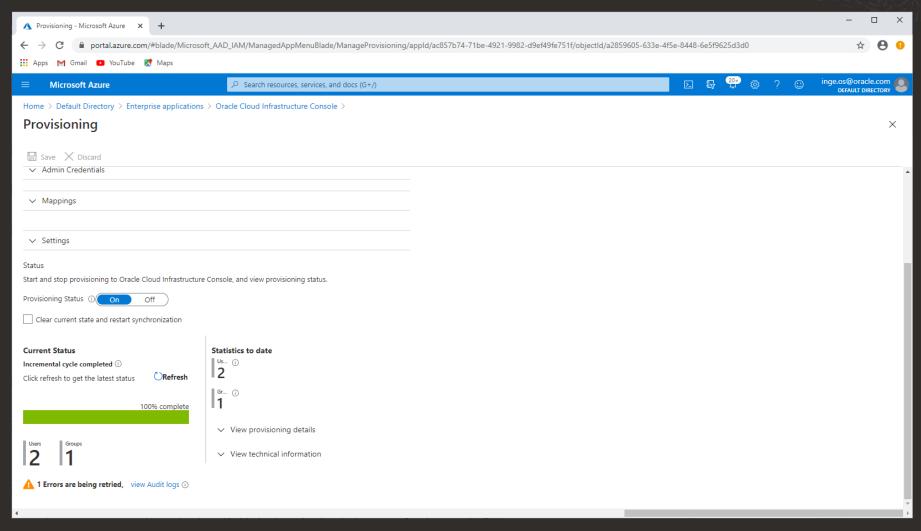
## Remove one user (Dart Vader) and add one new (Chris Craft)



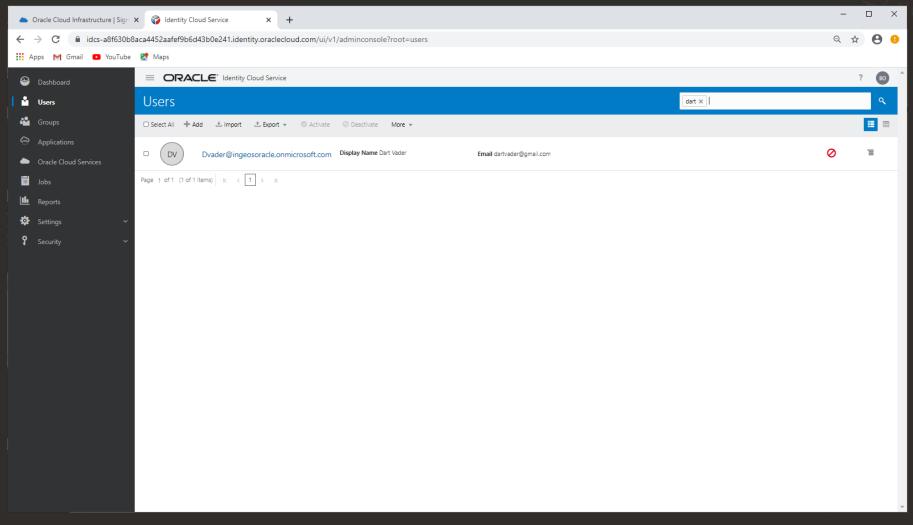
## Wait for next run. Runs every 40 min.



### One user failed



## Verify that the user removed from the group is disabled



Simple Diagnosis

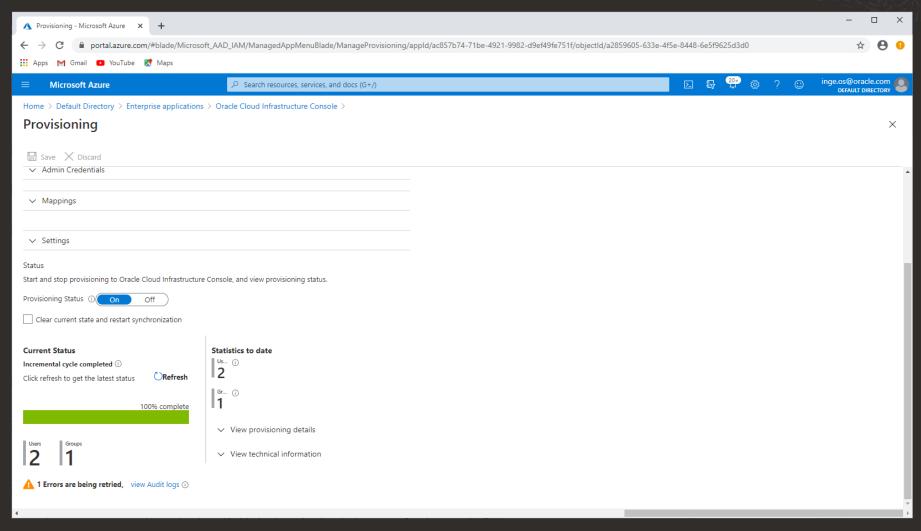
## Diagnoses by running ondemand provisioning

The email attribute is mandatory on the Oracle IDCS side. If this attribute is blank in Azure AD the provisioning will fail

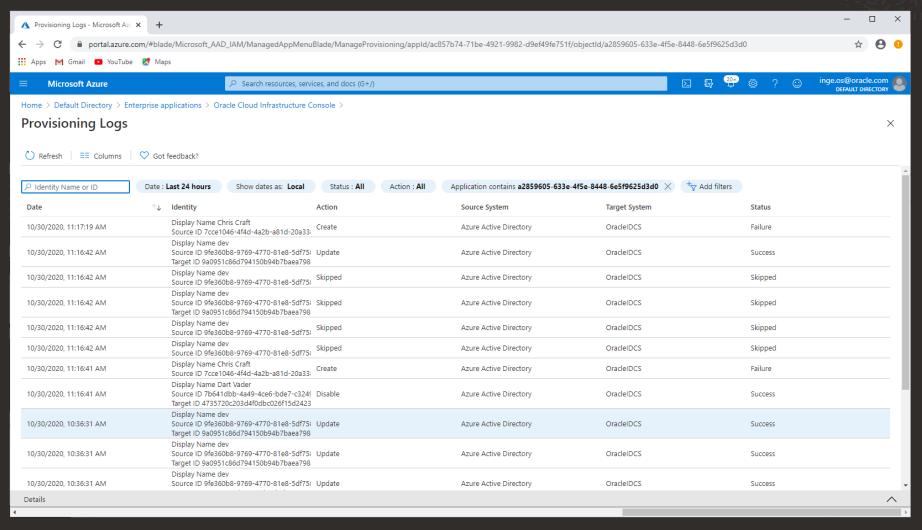
Diagnose can be turned on in IDCS, it is vald for 15 minutes. Each provisioning run on azureAd is every 40 min, so the diagnose needs to be turned on to hit a provisioning windows

Alternatively, on demand provisioning directly displays the REST payload returned from oracle IDCS when a HTTP code higher than 200 is returned.

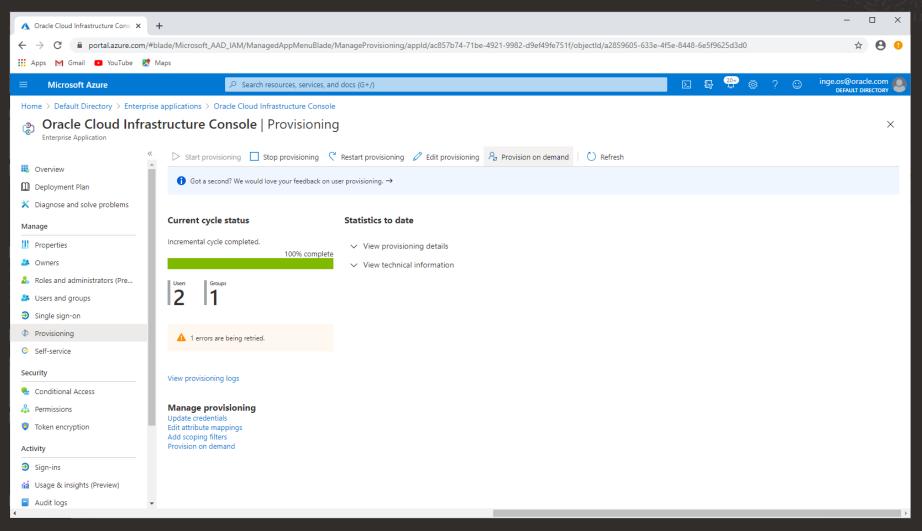
## One user provisioned failed



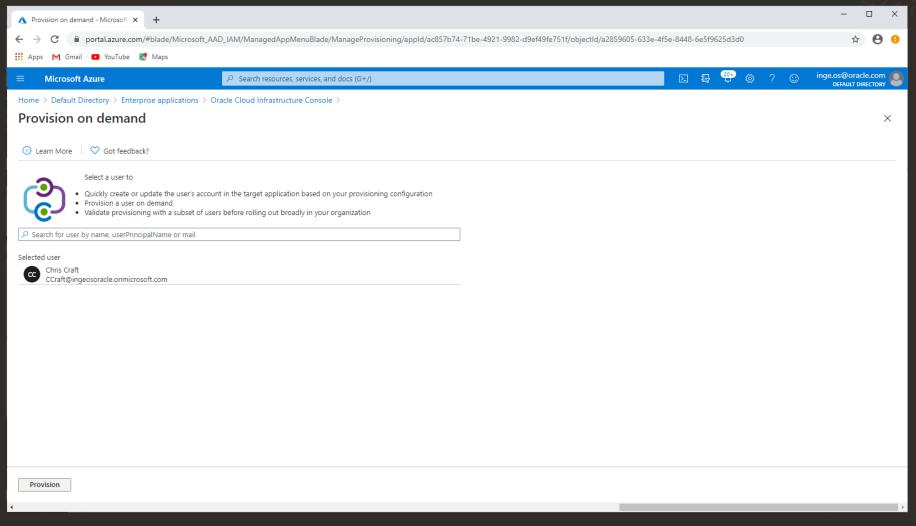
## Review the audit log, and note the failing usr



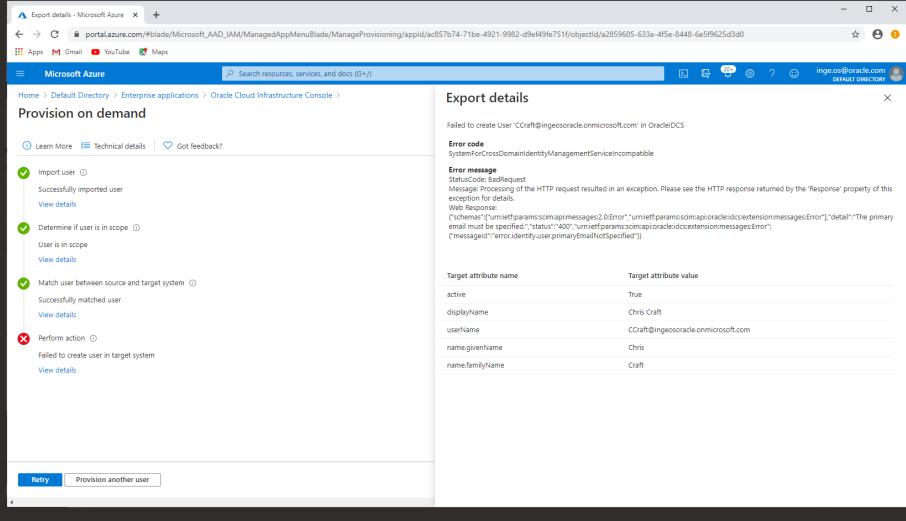
## The enterprise app offers provisioning on demand



## Search for and seløect the failing user



## The JSON output from mthe sailed SCIM request is immediate displayed



In this example we see that the provisioning failed due to missing email attribute

