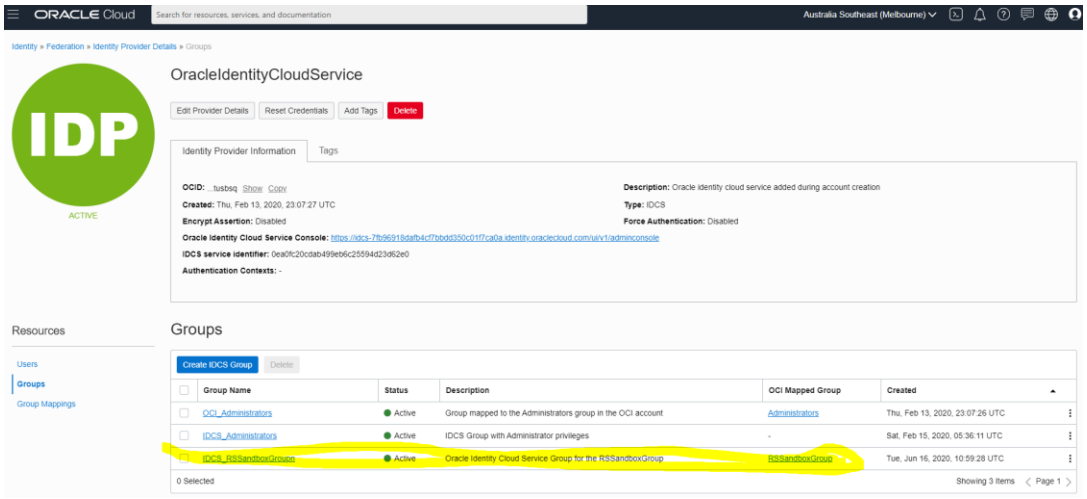
Configuring the required set-up on Hoang's Oracle tenancy "rmitcodedcomputing"

1. Log on to the account as a federated user of the tenancy account. I logged in using Hoang's administrator account.
2. To understand the difference between a federated user and a normal Oracle cloud user, please read the contents on the below given web page link: https://docs.cloud.oracle.com/en-us/iaas/Content/Identity/Concepts/federation.htm
3. Follow the steps as per the web page (refer to the link below for details): https://docs.cloud.oracle.com/en-us/iaas/Content/GSG/Tasks/addingusers.htm
    a. Create a sandbox compartment (Our compartment is named RSSandbox)
    b. Create an Oracle cloud infrastructure group (Our group is RSSandboxGroup)
    c. Create a policy to grant all members of the RSSandboxGroup full permissions on the compartment RSSandbox. Policy is a rule/set of rules that grants members of a certain group access to resources under a compartment in the cloud. The administrator needs to do this for all the user accounts created. Please see the links below to understand about polices and how to set them:

https://docs.cloud.oracle.com/en-us/iaas/Content/Identity/Concepts/policygetstarted.htm
https://docs.cloud.oracle.com/en-us/iaas/Content/Identity/Concepts/commonpolicies.htm

    d. Create Oracle identity cloud service group (Our IDCS group is IDCS_RSSandboxGroupn)
    e. Map the Oracle Identity Cloud Service group to the Oracle Cloud Infrastructure group that was created. The mapping gives the members of the IDCS group the permissions that are granted to the OCI group.

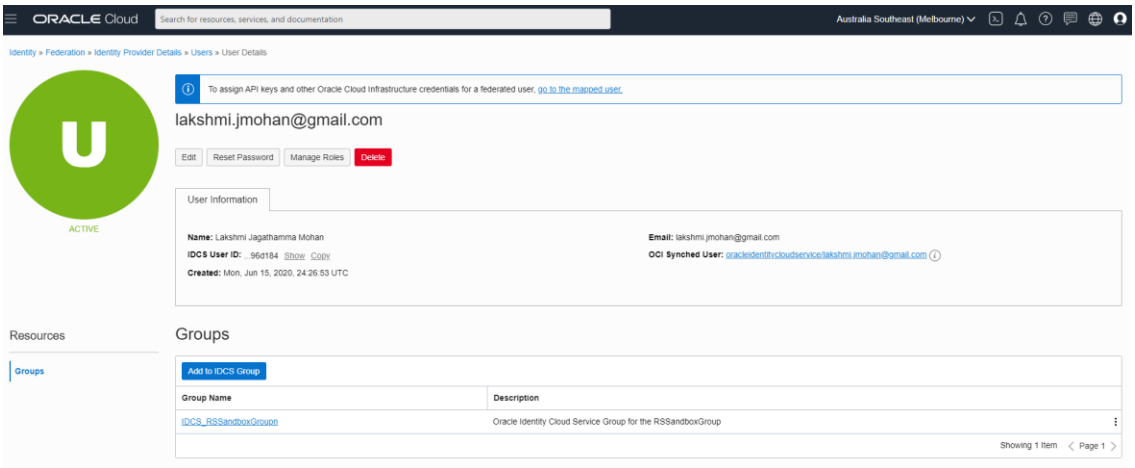
See below the screenshot showing the mapped OCI and IDCS groups (highlighted):



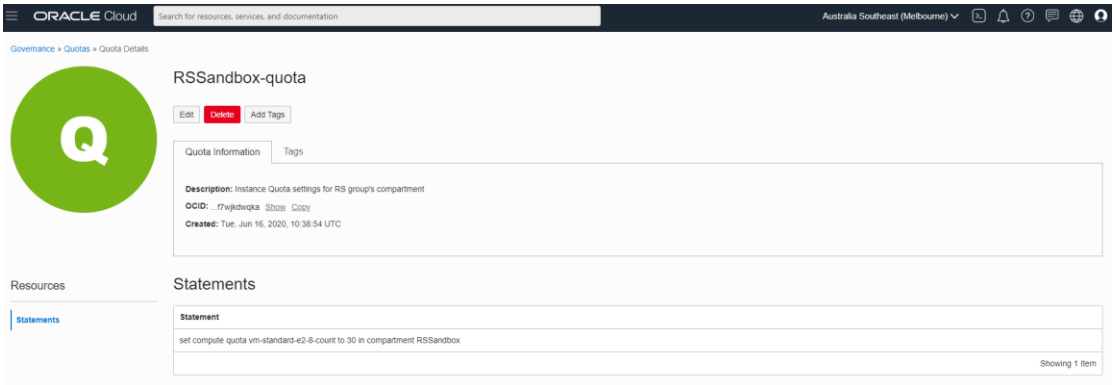
    f. This mapping is mandatory since the users are federated users attached to Oracle identity cloud service. Remember we had already created IDCS 'Users' (for Hoang, me and Nhi).

g. Each user is to be added to the IDCS group that we created (IDCS_RSSandboxGroupn).
h. After this is done, the Oracle Identity Cloud Service group mapped to the Oracle Cloud Infrastructure group is now listed in the Console on the Users page.

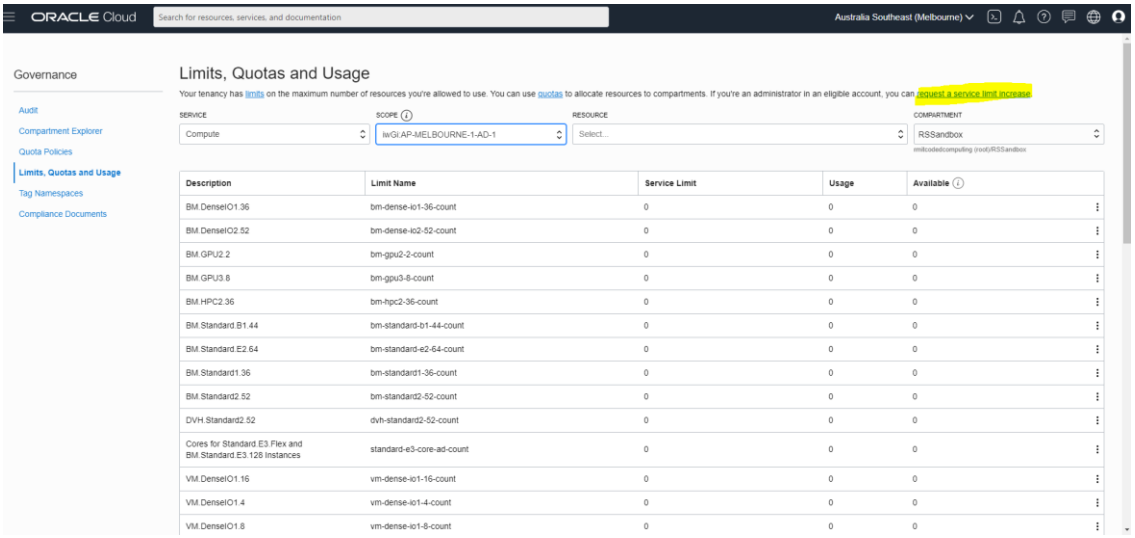
Below is the screenshot of the user details page of the user 'lakshmi.jmohan@gmail.com'.



4. After this step, all the users can login and see the sandbox compartment that they have been assigned (RSSandbox). Users can view, create, and manage resources in the Sandbox compartment.
5. Roles can be configured for the group. This means that group members can get access to some Oracle cloud services based on the role granted by the administrator. This can be done for each user by clicking on the 'Manage roles' button on users page. Users can be granted access to services and instances.
6. We can set quota limits for compartment that determine the maximum number of resources that users in that compartment can use. Please see the below page for details:
   https://docs.cloud.oracle.com/en-us/iaas/Content/General/Concepts/resourcequotas.htm
   The below screenshot shows a quota policy that sets the quota for type vm-standard-e2-8-count compute instances to 30 in each availability domain on compartment RSSandbox.

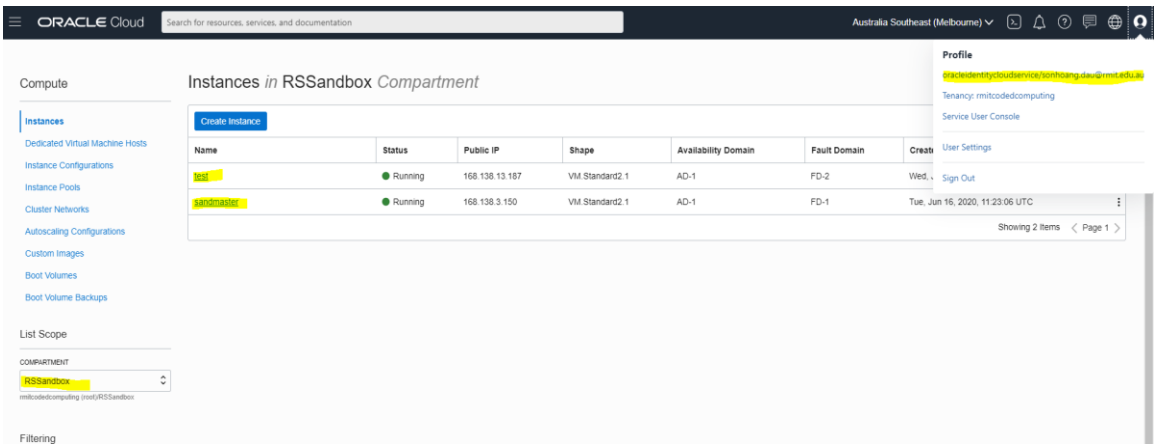


7. Administrator can request for additional resources that will increase their service limit. The screenshot shows the compute service quotas available currently in the compartment RSSandbox on our tenancy. Highlighted is the link to request an increase in quota limit.

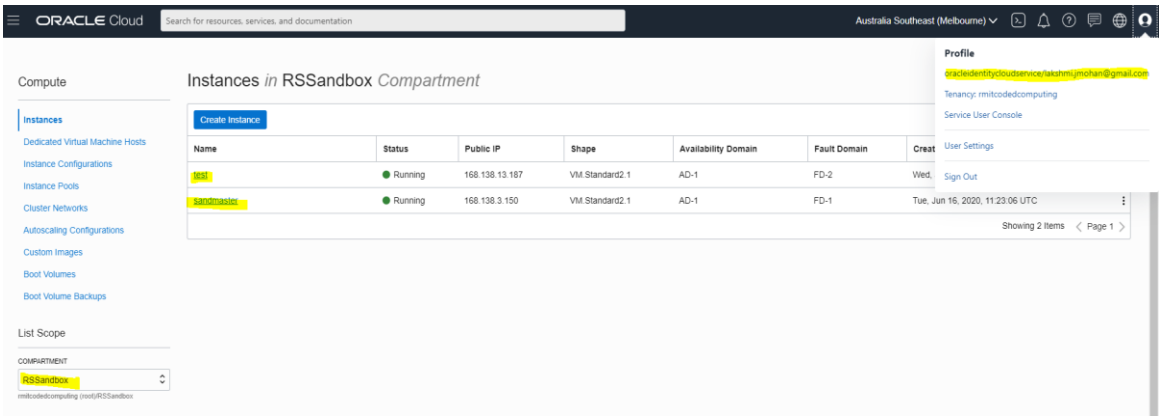


8. To create an instance from user login, follow the steps as mentioned in the link below:
   https://docs.cloud.oracle.com/en-us/iaas/Content/GSG/Reference/overviewworkflow.htm
   a. Create key-pair
   b. Create compartment
   c. Create Virtual Cloud Network (VCN) (it gets assigned automatically for us in our chosen compartment)
   d. Launch Linux instance
   e. Connect to the instance
   f. Add block volume (optional step, but good to know)
   g. Clean up resources
9. Try logging on to the instance using SSH key pair. Please refer to the earlier tutorial on instance creation.
10. I created two instances in our compartment RSSandbox. One (named *sandmaster*) from Hoang's user login and the other (named *test*) from my user login. Given below are the screenshots of the resources in the compartment from two user logins.

User: Hoang



User: Lakshmi



Miscellaneous

Getting help with Oracle cloud team:

https://docs.cloud.oracle.com/en-us/iaas/Content/GSG/Tasks/contactingsupport.htm?Highlight=support%20identifier