

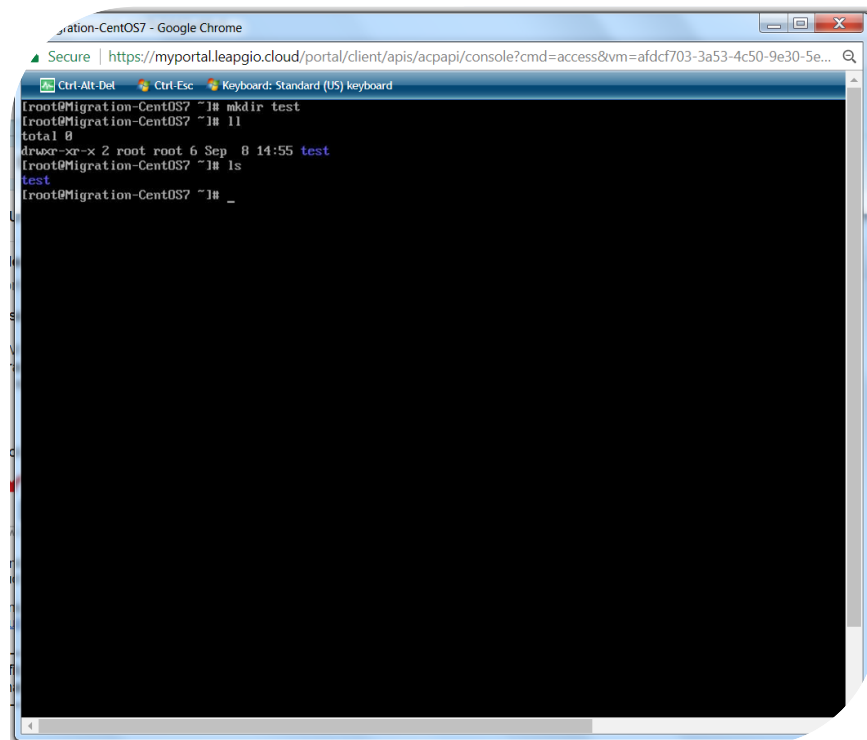
# How to migrate a VM to another account

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## I. Introduction

- To migrate a VM from one account to another account on Leap GIO Public, there is no easy way such as clicking on a button. Several steps need to be taken. However, the steps taken are easy if they are followed.
- In this FAQ, we will show how to migrate a VM from an account on Leap GIO Public that we will call **account A** to another account on Leap GIO Public called **account B**
- We assume that you already have created a CentOS 7 VM on **account A** and that you need to migrate that VM to **account B**
- For testing, we will create a folder called **test** on the VM to see if the correct VM was migrated in the end

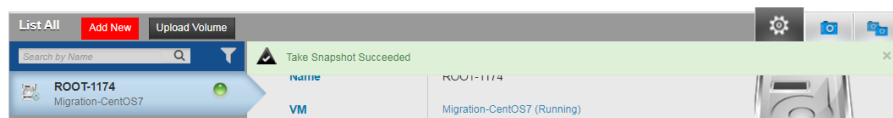
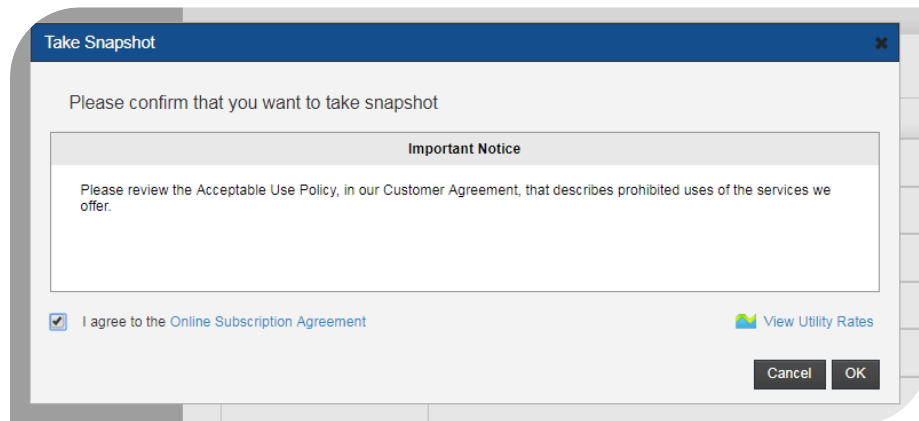
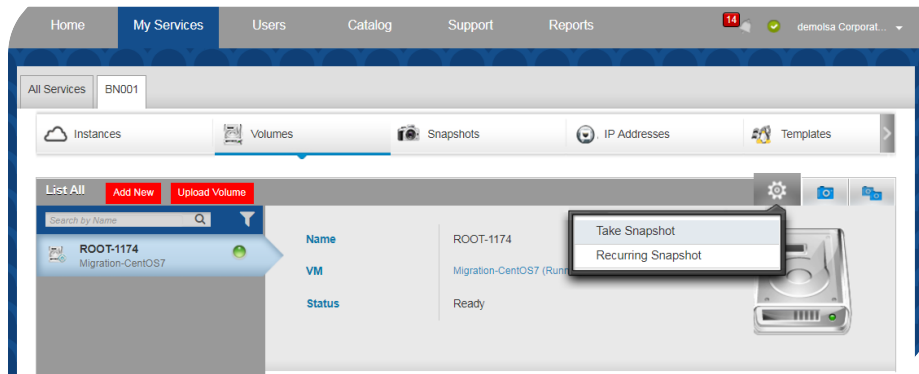


- Below the main steps that will be taken to complete the migration
  - o From **account A**, snapshot the root volume of the VM
  - o From **account A**, create a volume from the snapshot
  - o From **account A**, “download” the volume that was created
  - o From **account B**, upload the volume
  - o From **account B**, attach the uploaded volume to a dummy VM or to any existing VM
  - o From **account B**, take a snapshot of the uploaded volume
  - o From **account B**, create a new template from the snapshot of the volume
  - o From **account B**, create a new VM from the new template
  - o From **account B**, check the result of the migration

## II. Migration

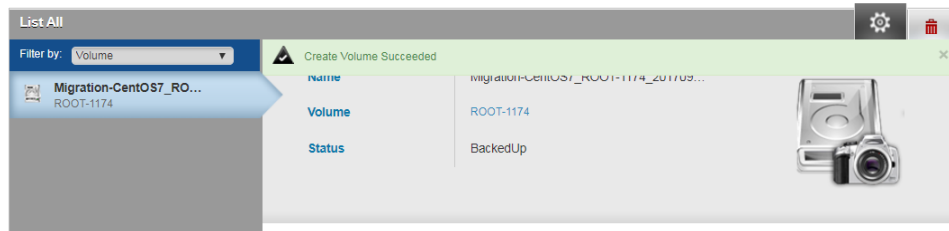
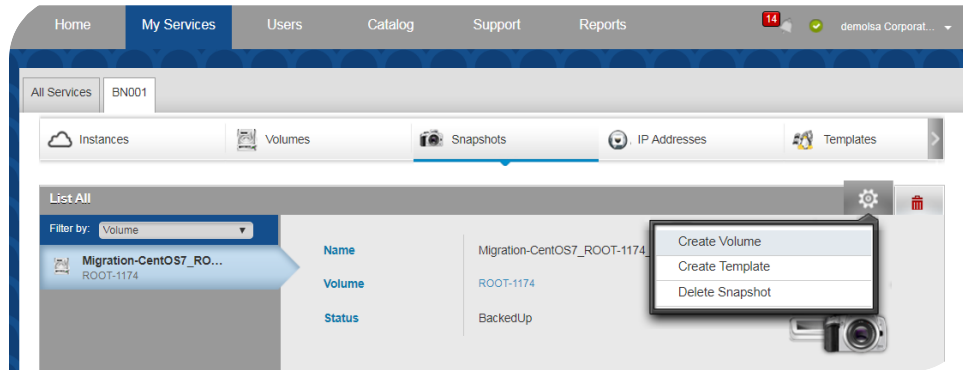
### A. Snapshot the root volume of the VM

- To start, we need take a snapshot of the **root volume** of the VM that needs to be migrated from **account A** to **account B** (our VM is called **Migration-CentOS7**). **Note:** charges may apply for the storage of the snapshot
- Go to the **Volumes** tab, select the **root** volume of the VM that needs to be migrated, and take a snapshot



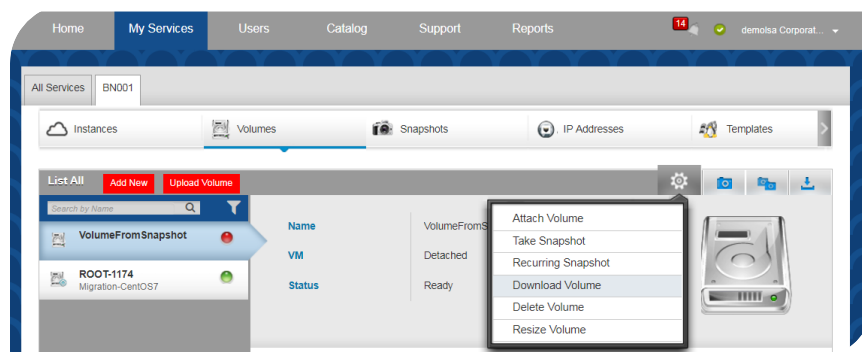
## B. Create a volume from the snapshot

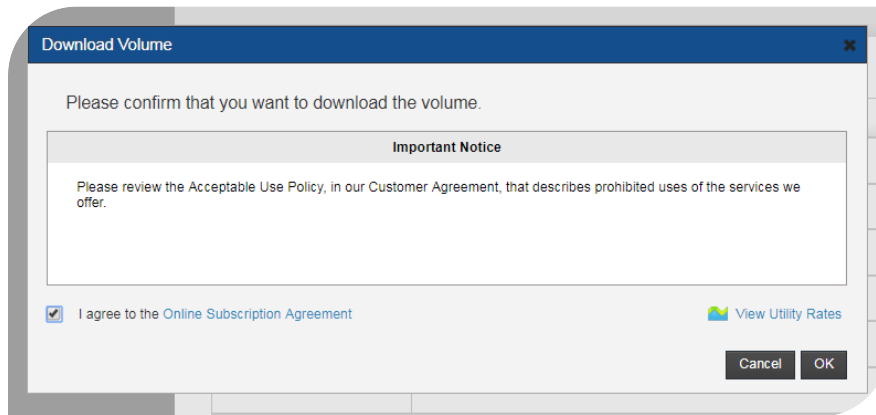
- Go to the **Snapshots** tab and create a volume from the snapshot. **Note:** charges may apply for the new volume
- We call our new volume **VolumeFromSnapshot**



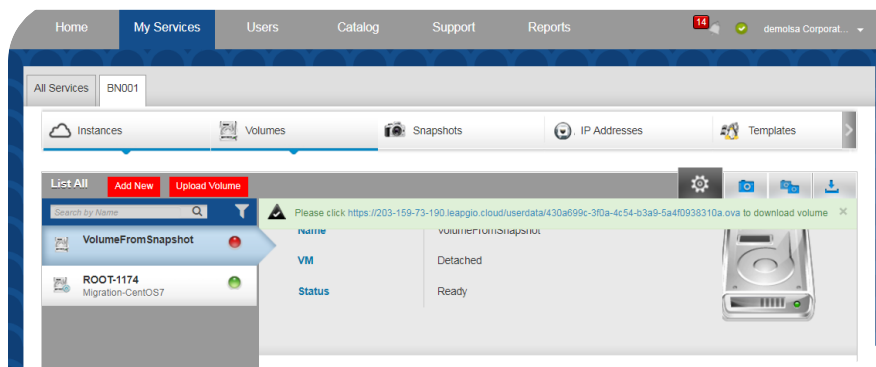
## C. Download the new volume

- Go to the **Volume** tab and make sure the status of the new volume is **ready**. Download the new volume.



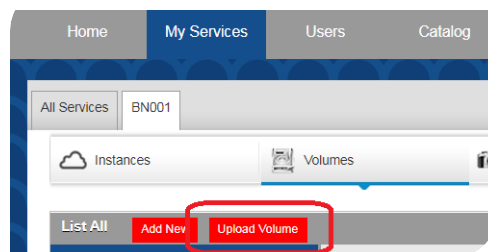


- Once the download is **ready**, a download link (blue on green background) ending by **.ova** should become available. Copy and save the link for next step

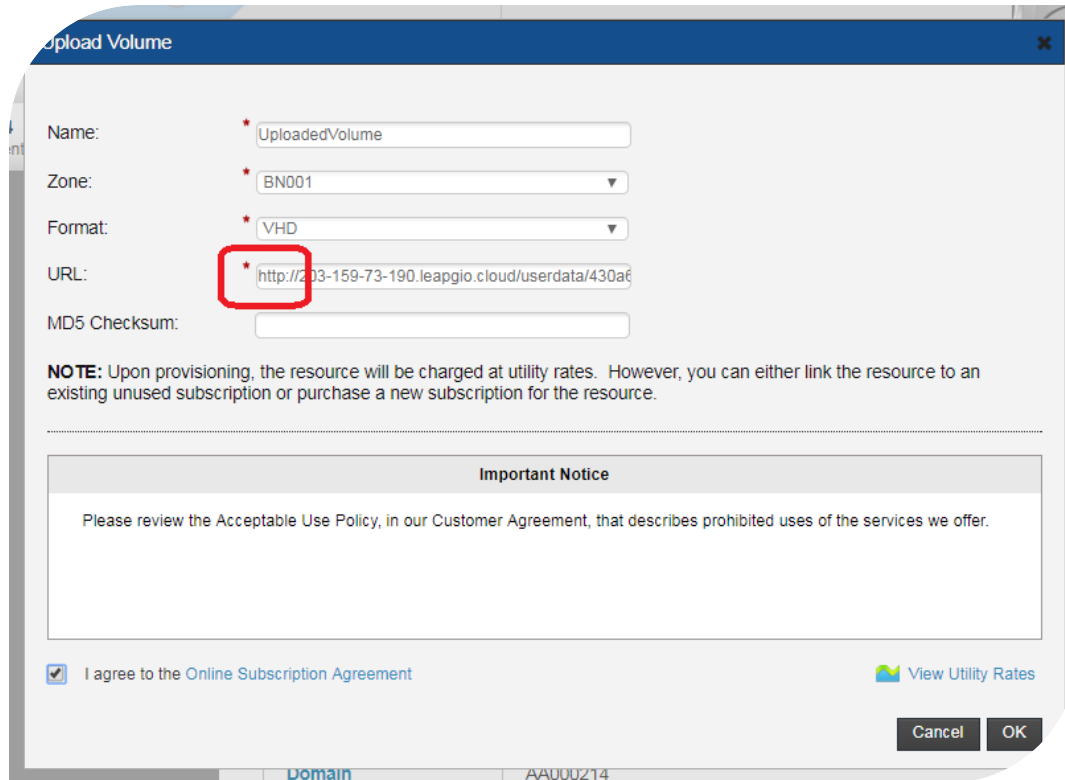


## D. Upload the volume to the new account

- Go to the new Leap GIO Public **account B**, go to the **Volume** tab, and click on **Upload Volume**



- Provide the below, **agree to the Online Subscription Agreement**, and click on **OK**. **Note**: charges may apply
- We call our new volume **UploadedVolume**
  - o **Name**
  - o **Zone**: BN001
  - o **Format**: OVA
  - o **URL**: The download link that you saved in the earlier step from **account A**. However, use **http** instead of **https**
  - o **MD5 checksum** (optional): only if you need to make sure of the integrity of your upload



Upload Volume

Name: \* UploadedVolume

Zone: \* BN001

Format: \* VHD

URL: \* http://203-159-73-190.leapgio.cloud/userdata/430a6

MD5 Checksum:

**NOTE:** Upon provisioning, the resource will be charged at utility rates. However, you can either link the resource to an existing unused subscription or purchase a new subscription for the resource.

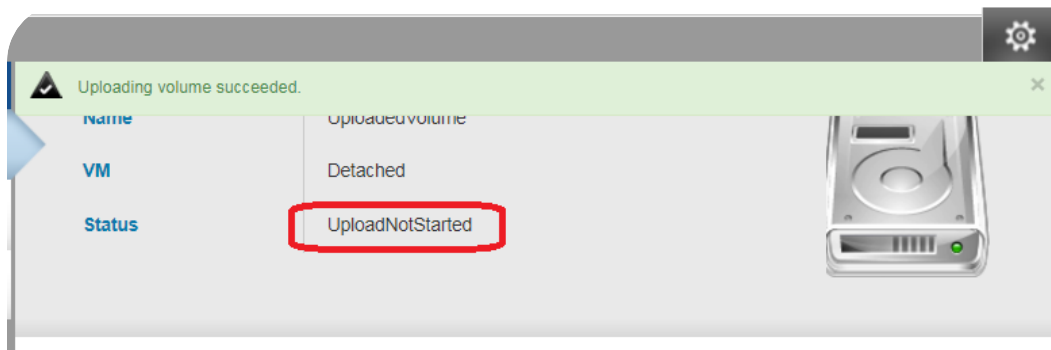
**Important Notice**

Please review the Acceptable Use Policy, in our Customer Agreement, that describes prohibited uses of the services we offer.

I agree to the Online Subscription Agreement [View Utility Rates](#)

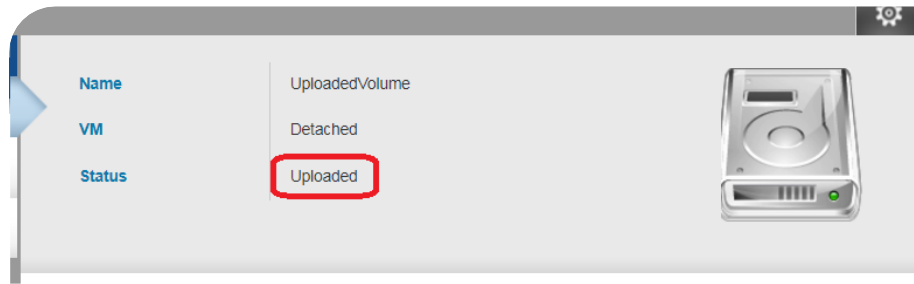
Cancel OK

Domain AA000214



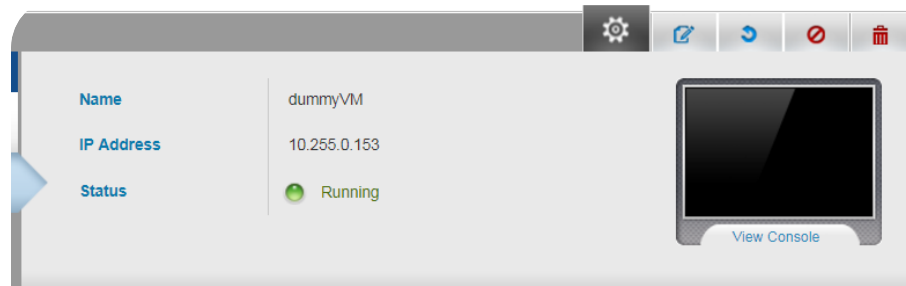
Uploading volume succeeded.	
<b>Name</b>	Uploaded volume
<b>VM</b>	Detached
<b>Status</b>	<u>UploadNotStarted</u>

- Wait and make sure the status of the uploaded volume is **Uploaded**

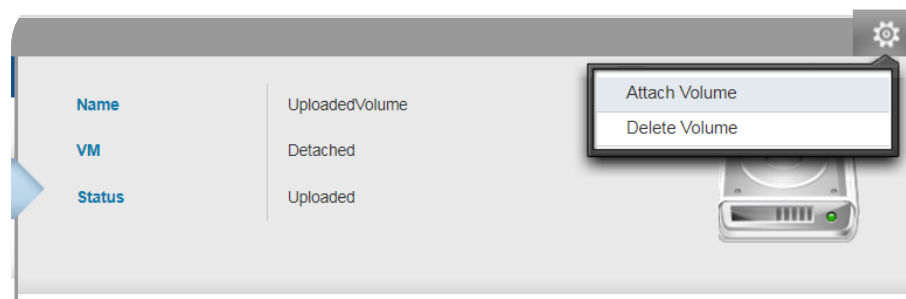


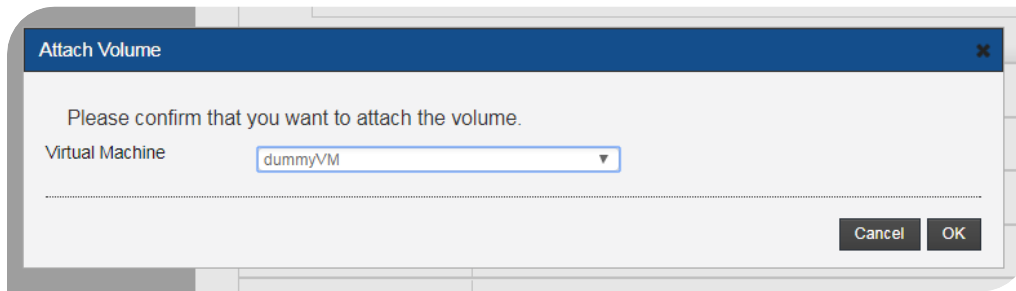
## E. Attach the uploaded volume to a dummy VM

- On the new **account B**, create a new dummy VM. The OS type can be anything. To minimize cost, use the **lowest hourly compute offering**. The purpose of the dummy VM is to be able to get a snapshot from the **UploadedVolume**. The option **Take Snapshot** will only show on the **UploadedVolume** once it is attached to a VM. **Note**: you can also attach the VM to any existing VM
- We call our VM **dummyVM**



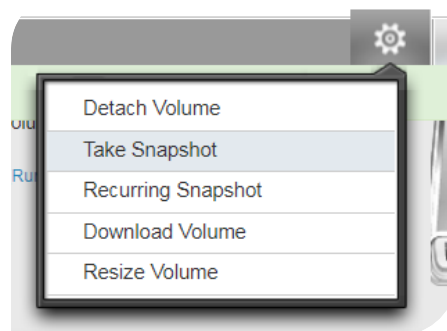
- On the new **account B**, attach the **UploadedVolume** to the **dummyVM**



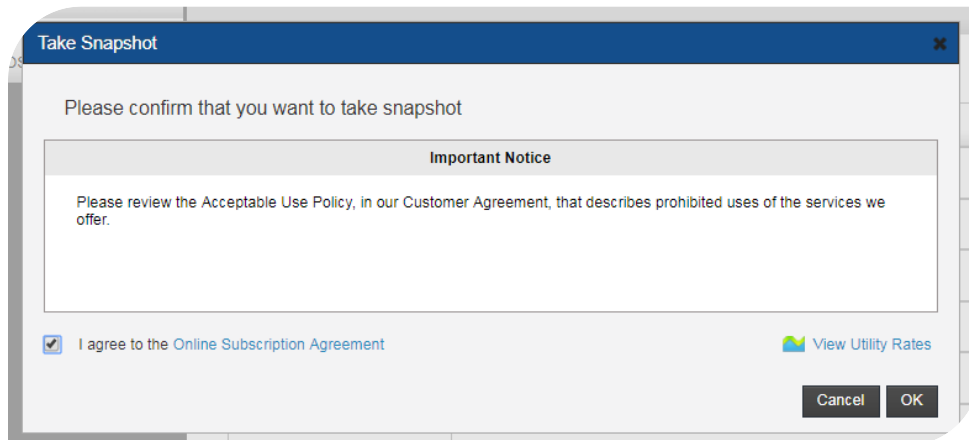


## F. Take a snapshot of the uploaded volume

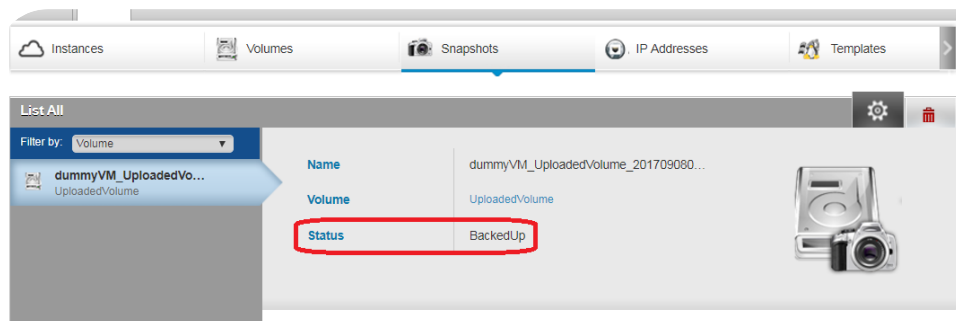
- Once attached, select the **UploadedVolume**, click on the **gear icon**, and select **Take Snapshot**







- Make sure that the snapshot is completed by going to the **Snapshots** tab and checking that the status is **BackedUp**

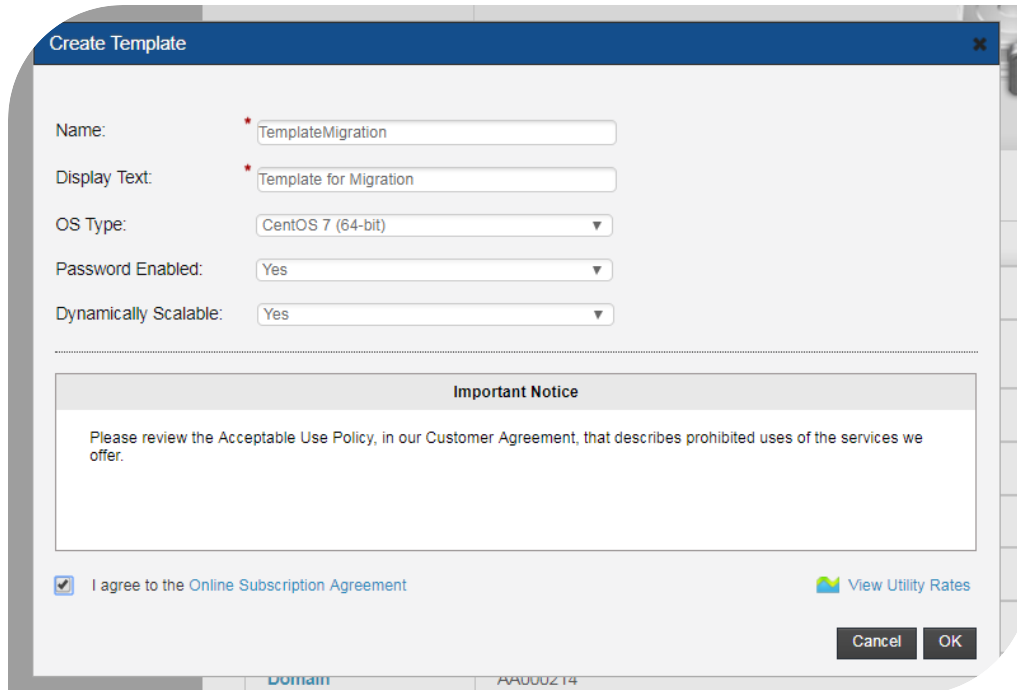


## G. Create a new template from the snapshot

- Once the status is **BackedUp**, click on the **gear icon** and select **Create template**



- Provide the below, **agree on the Online Subscription Agreement**, and click on **OK**. **Note:** charges may apply
  - o **Name**
  - o **Display Text:** anything descriptive
  - o **OS Type:** choose the type of OS that was migrated
  - o **Password Enabled:** choose **Yes** if your template has the password change script installed. If the migrated VM comes from a default template provided by Leap GIO Public, the password change script has been installed
  - o **Dynamically Scalable: Yes** (only if you need to be able to change compute offering in the future)



**Create Template**

Name:

Display Text:

OS Type:

Password Enabled:

Dynamically Scalable:

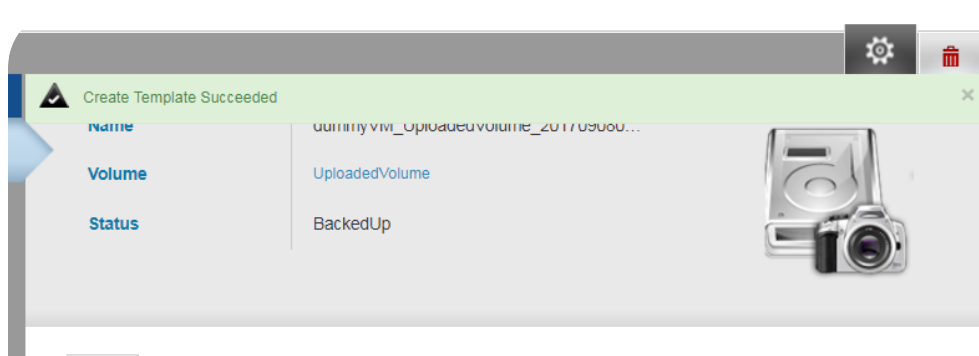
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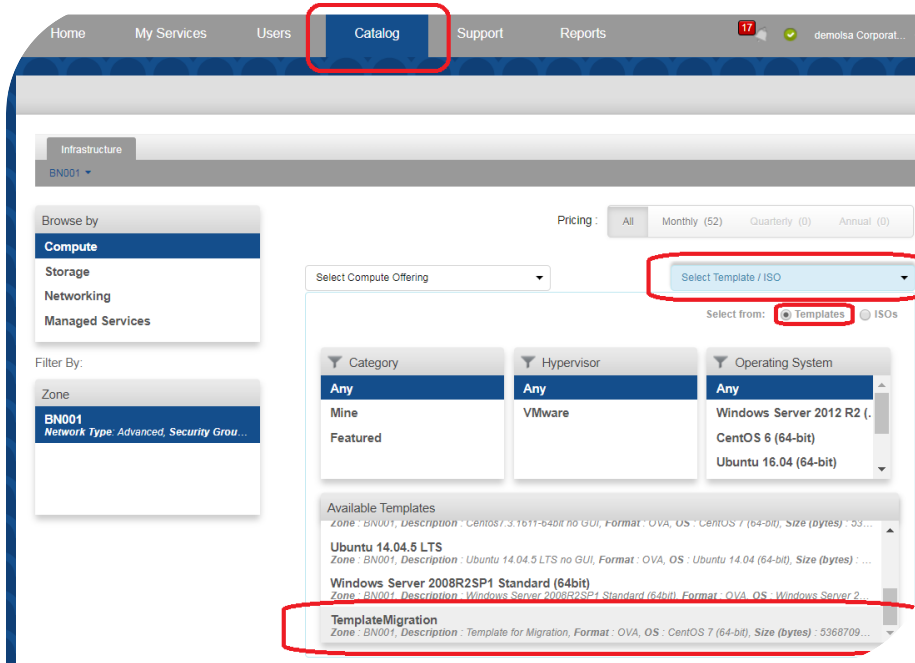
I agree to the Online Subscription Agreement [View Utility Rates](#)

**Cancel** **OK**

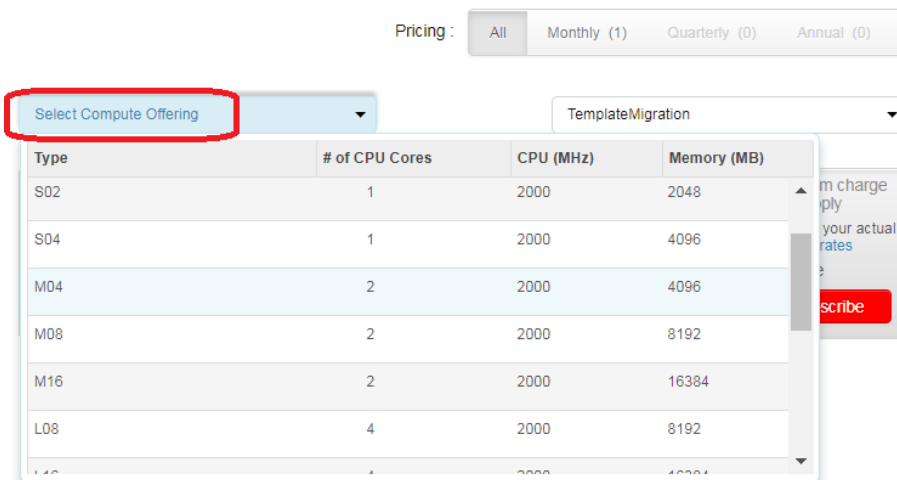


## H. Create a new VM from the new template

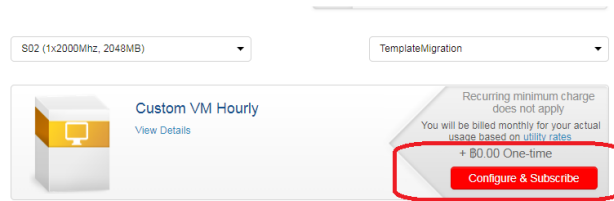
- Create a new VM from the template that was created
- In the **Catalog** tab, select the **Template/ISO**, find your template, and click on it



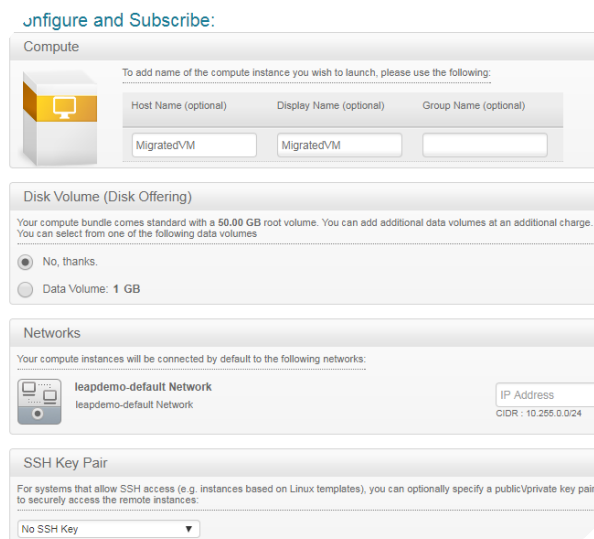
- On the next page, click on **Select Compute Offering** and choose the offering that you need



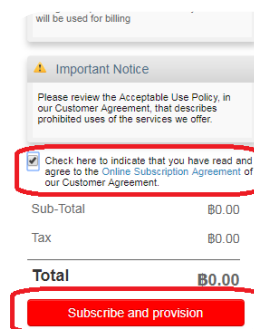
- Then click on **Configure & Subscribe**



- Enter **Host Name, Display Name, etc.** based on your requirements

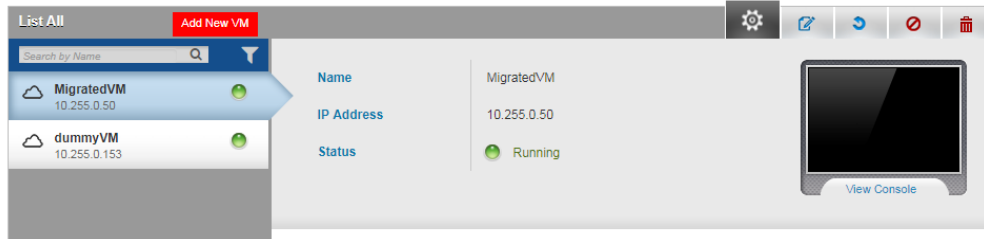


- Check that you **agree to the Online Subscription Agreement** (charges may apply) and click on **Subscribe and Provision**

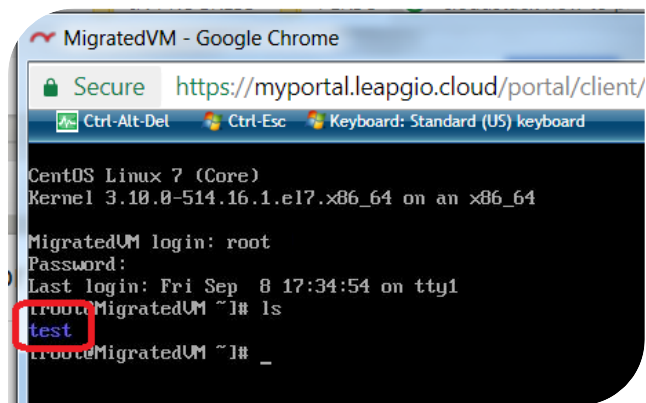


## I. Check the result of the migration

- Go back to the **Instances** tab and wait for the VM to be provisioned and with the **running** status. Get the password of the root account that should have been sent to your email.



- Connect to the VM via **View Console** and verify if the **test** folder is there



- As seen above, the migration of a VM from **account A** to **account B** was successful

### III. Remove all remaining work

- Once the migration has completed, do not forget to remove any unnecessary work that has been done during the migration such as:
  - o Snapshot
  - o Volume
  - o VM/Subscription
  - o Template

If you have any questions please check our FAQ section. If you still cannot find what you are looking for or believe that there is a careless mistake in this document, please contact our support at [support@leapsolutions.co.th](mailto:support@leapsolutions.co.th) or send us your inquiry through our [Inquiry Form](#) located on your Web Portal.