SNACK VM documentation

Virtual machine deploying (Snack deploying)

For Snack project deploying Azure Services as a provider of VM and storages has been chosen. The reason: Georgii had exp. of working with Azure. For the dev. Start, new free account was developed, to use free trial, just to test it, test NGINX, how it works. Later the paid subscription is expected to be purchased for further Snack deploying and continuous development

Azure account: [snackinfo80@gmail.com](mailto:snackinfo80@gmail.com)

Password: to get password, please, contact Georgii

For the account “pay-as-you-go” model was chosen. Billing occurs via Azure card PAO Sberbank: 5469 3800 5020 5268 08/23

Below, the process of new VM deploying process will be described. The VM will be deployed from scratch, so the main target of the doc. just to save knowledge on the project. The process will be described as a guide.

Link1 (How to install VM): <https://www.youtube.com/watch?v=HAgsJwUGG7M&list=LL&index=184>

Link2 (NGINX):

<https://www.youtube.com/watch?v=_iJPyR_rcq0&t=783s>

How to set a VM?

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Firstly we need to create a new subscription. So, go to subscriptions and create a new one:

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Graphical user interface

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A new subscription has been created. As you can see, current cost is 0$, so it’s a new subscription, everything is fine.

Go to home. We want to create a new Virtual Machine now (VM). So find in Azure products on the top pane VM option

Graphical user interface

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Description automatically generated

So currently we have no VMs here. To create a new on, click on a Create button and choose VM option.

Graphical user interface, application, email

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Subscription: Our subscription, we’ve just created. We have “Azure subscription 1”

Resource Group: Neew to create a new resource group which contains all resources together. We will create a new one and will name it “Snack-PROD-RG”

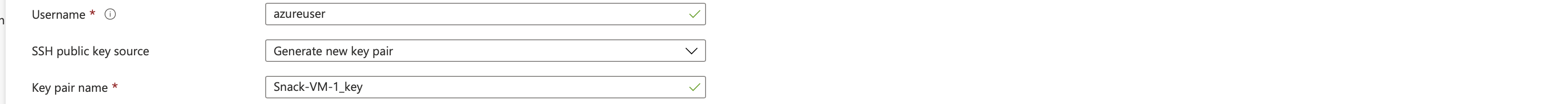
VM name: Snack-VM-1

Region: East US

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Auth type: SSH Public key



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Then we need go to disks. We need to set all options as on the pic below

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Click on Review + Create. Check the cost and click Create button. Our cost is 0.0104 USD/h = 7,7376 USD/m. Click Create. We will see a pop-up:

Graphical user interface, application

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It’s a very important pop-up, you’ll see it only once. You need to generate a new key pair and put it in a safe place. In case if you need the key, please, contact Georgii.

Key pair will be created and downloaded to the local machine as a .pem fine.

Deployment will be in progress, just wait

So now we have a VM. Go to resources

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How to connect to VM?

So now we need connect to our VM, so click on the Connect button and SSH

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Here we see an instruction, how to connect to our VM via Terminal with SSH key, we just downloaded. Let’s connect

*\*In case if you need this SSH key, please, connect Georgii*

Open your terminal on MacOS or Linux. Go to the folder where your key is



Step 1 completed

2) Type into the terminal: chmod 400 Snack-VM-1\_key.pem

It allow us to ensure the key is in read-only mode

3) Then let’s connect the first time

ssh -i Snack-VM-1\_key.pem [azureuser@20.83.190.94](mailto:azureuser@20.83.190.94)

Print yes

Shape

Description automatically generated with medium confidence

We are inside! To check that everything is fine, type into “who” command to see your IP

Type in “exit” to exit the VM

Type in: ssh -i ~/Documents/keys/Snack-VM-1\_key.pem [azureuser@20.83.190.94](mailto:azureuser@20.83.190.94) to conncent to your VM quickly