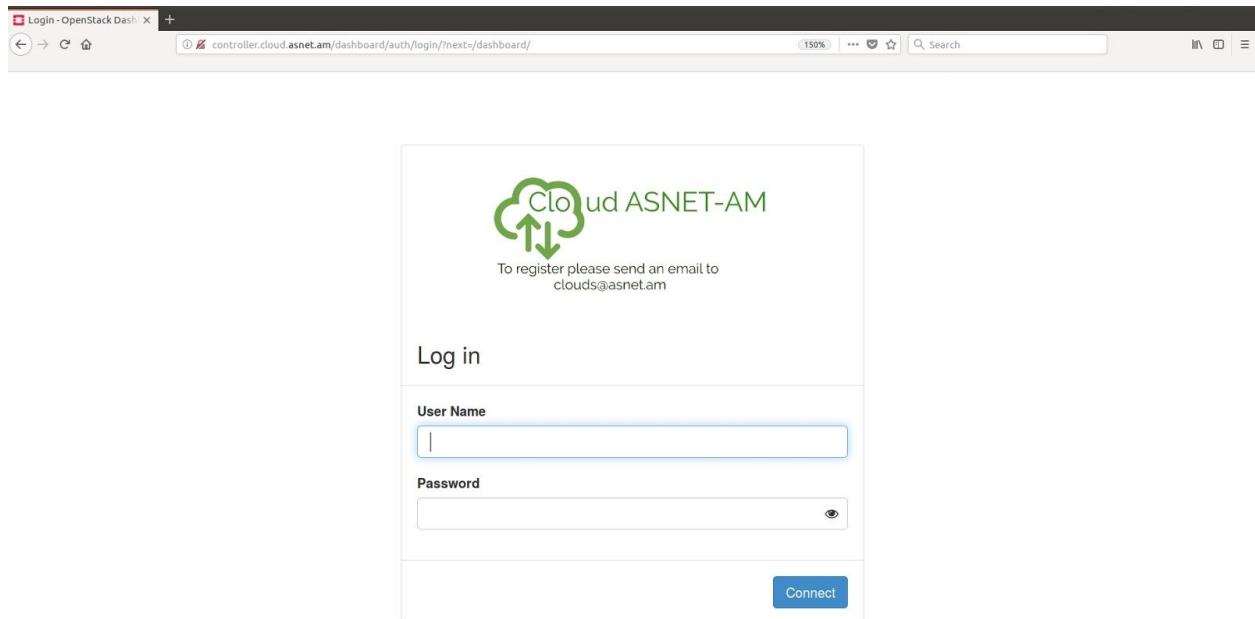
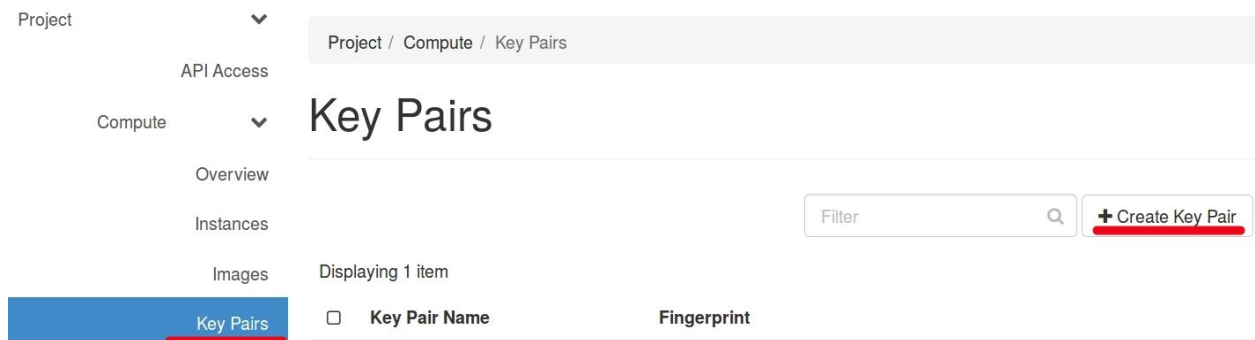


Enter your credentials



The screenshot shows a web browser window with the URL `controller.cloud.asnet.am/dashboard/auth/login/next=/dashboard/`. The page features the Cloud ASNET-AM logo, which consists of a green cloud with two arrows pointing up and down. Below the logo, the text reads: "To register please send an email to `clouds@asnet.am`". The main heading is "Log in". There are two input fields: "User Name" and "Password". The "Password" field has a small eye icon to its right. A blue "Connect" button is located at the bottom right of the form.

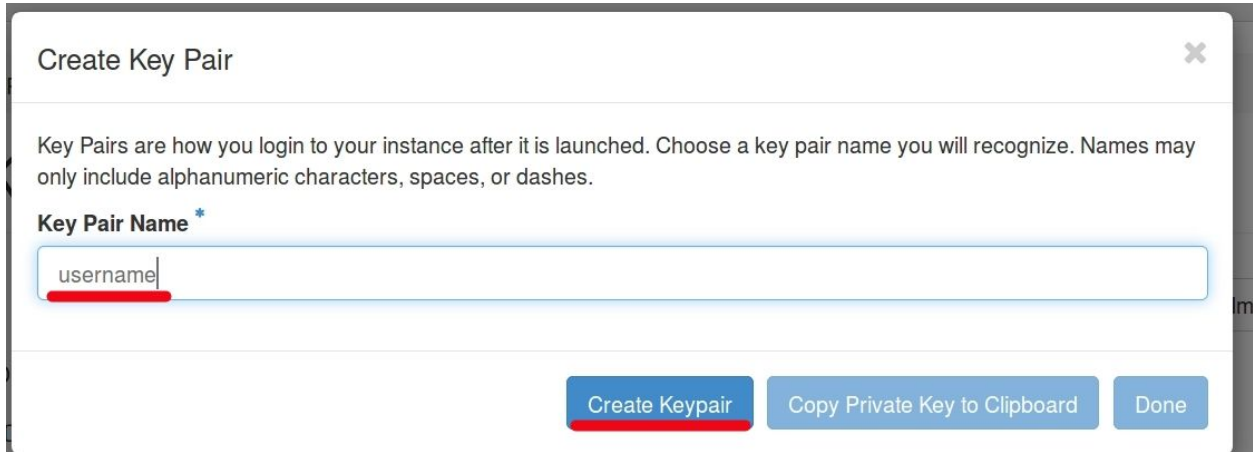
Create SSH Key to be used for accessing the virtual machine:



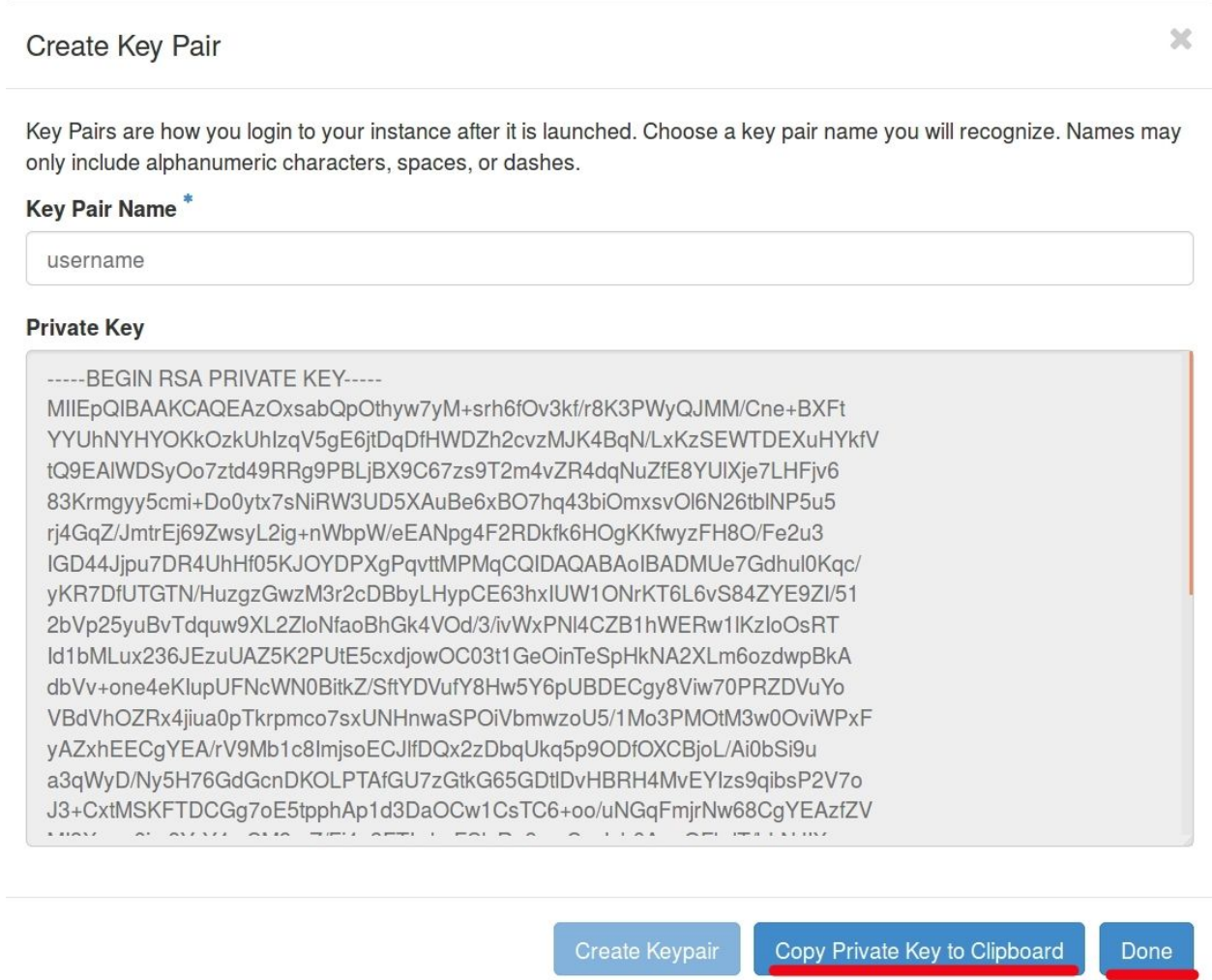
The screenshot shows the OpenStack dashboard interface. On the left, there is a navigation menu with "Project" selected. The main content area shows the breadcrumb "Project / Compute / Key Pairs" and the heading "Key Pairs". Below the heading, there is a "Filter" input field and a "+ Create Key Pair" button. The text "Displaying 1 item" is visible. A table with the following columns is shown:

<input type="checkbox"/>	Key Pair Name	Fingerprint
--------------------------	---------------	-------------

Enter the key name:

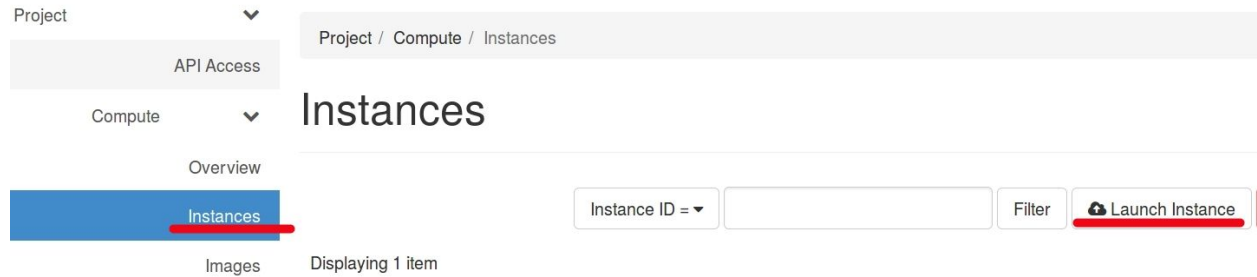


Then copy the key content (this is very important step), put this content in any text file, name it using the same username with .pem extension, and change the file permission to 400.



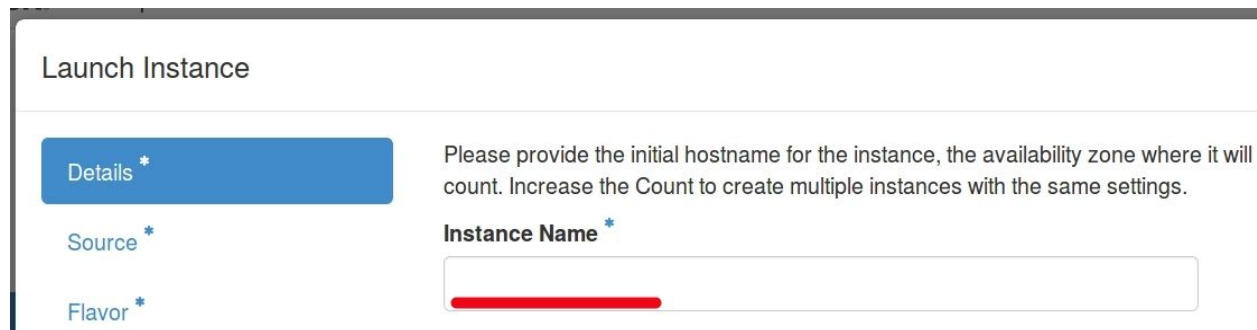
Finally press “Done” and the key will be created on the system.

The next step is to create the virtual machine



From Compute > Instances click on Launch Instance

Enter any optional name for the VM:



Then Next,

First click on “Create New Volume” > No new volume.

Select Boot Source

Create New Volume

Then you need to choose an image from the available images list and press

Available **3** Select one

Click here for filters. ✕

Name	Updated	Size	Type	Visibility	
Debian	5/24/18 8:10 PM	602.79 MB	qcow2	Public	↑
Centos	5/24/18 7:55 PM	891.75 MB	qcow2	Public	↑
ubuntu	4/27/18 11:56 AM	276.69 MB	qcow2	Public	↑

Then Next,

You need to select a flavor (your VM parameters in term of HDD, CPU and RAM)

Name	VCPUS	RAM	Total Disk	Root Disk	Ephemeral Disk	Public	
tiny	1	1 GB	20 GB	20 GB	0 GB	Yes	↑
micro2	1	2 GB	30 GB	30 GB	0 GB	Yes	↑
micro	1	1 GB	30 GB	30 GB	0 GB	Yes	↑
mini	2	2 GB	40 GB	40 GB	0 GB	Yes	↑
small	2	4 GB	40 GB	40 GB	0 GB	Yes	↑

Then Next,

From the Network tab select private network (be careful in this don't select the public one)

Flavor Select an item from available items below

Networks * Select at least one network

Network Ports

Security Groups

Key Pair

Configuration

Available **2** Select at least one network

Click here for filters. ✕

Network	Subnets Associated	Shared	Admin State	Status	
IIAPprivate	IIAPprivate_subnet	No	Up	Active	↑
IIAPpublic	IIAPpublic_subnet	Yes	Up	Active	↑

Then click on Key pair tab directly and select your key name from the list.

Networks *

Network Ports

Security Groups

Key Pair

And finally click on “Launch Instance”

The virtual machine will be shown under “Instances” tab with the same name used during the VM creation.

The screenshot shows the OpenStack dashboard with the 'Instances' tab selected. On the left, there are navigation links for Images, Key Pairs, Volumes, and Network. The main area displays 'Displaying 2 items' and a table with the following data:

Instance Name	Image Name	IP Address	Flavour
<input type="checkbox"/> test	ubuntu	10.0.0.10	micro2

The VM now has a private IP address, in order to access this VM you need to assign a public IP to it.

From the same instances page click on the right-hand side arrow and select “Associate Floating IP”

The screenshot shows the instance details page for the 'test' instance. The instance is in a 'Running' state. On the right-hand side, there is a menu with the following options:

- Create Snapshot
- Associate Floating IP

Then click on the + sign

Manage Floating IP Associations

IP Address *

 ▼ +

Port to be associated *

 ▼

A new public IP will be fetched from the available subnet. Click on “Associate”

IP Address *

 ▼ +

Select the IP address you wish to associate with the selected instance or port.

Port to be associated *

 ▼

Cancel

Associate

You will see under the IP section of instances tab the private and public IP, so now are are ready to access the VM.

<input type="checkbox"/>	Instance Name	Image Name	IP Address
<input type="checkbox"/>			10.0.0.10
<input type="checkbox"/>	test	ubuntu	Floating IPs: 185.127.66.29

In this case we have the IP “185.127.66.29” as a public IP, to access the VM:

```
ssh -i username.pem credential@185.127.66.29
```

NOTE:

For Ubuntu image the user name is ubuntu

For Centos image the user name is centos

For Debian image the user name is debian