


How to create a virtual machine (VM)

1. Log into the web dashboard (<https://prisma-cloud.ba.infn.it/>) with your username and password



The PRISMA logo features a stylized blue and yellow geometric design to the left of the word "PRISMA" in a blue, sans-serif font.

Log In

User Name:

Password:

[Sign In](#)

2. In the left panel, click on **Project** → **Instances** → **Launch Instance**

The screenshot displays the PRISMA cloud management interface. The left sidebar contains a navigation menu with the following items: Project, Compute, Overview, Instances, Volumes, Images, Access & Security, Network, Object Store, and Orchestration. The main content area is titled 'Instances' and features a table of existing instances. A red arrow points from the 'Project' menu item to the 'Instances' menu item, and another red arrow points from the 'Instances' menu item to the '+ Launch Instance' button. A third red arrow points from the '+ Launch Instance' button to the 'Launch Instance' button in the top right corner of the main content area.

PRISMA demo_outreach demo_user Sign Out

Project **Compute** Overview **Instances** Volumes Images Access & Security **Network** Object Store Orchestration

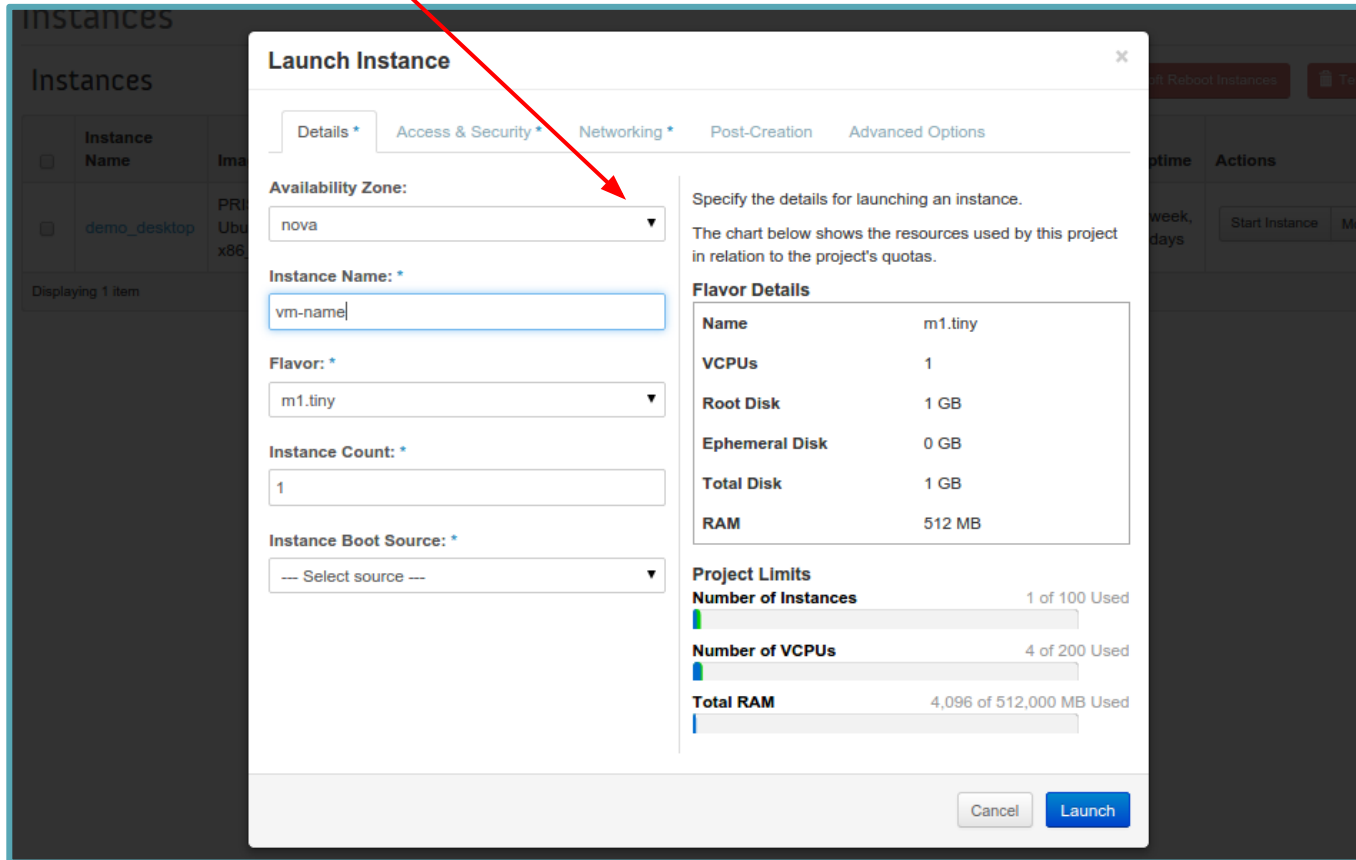
Instances

Filter Filter + Launch Instance Soft Reboot Instances Terminate Instances

| | Instance Name | Image Name | IP Address | Size | Key Pair | Status | Availability Zone | Task | Power State | Uptime | Actions |
|--------------------------|---------------|----------------------------|---------------|---|--------------|---------|-------------------|------|-------------|----------------|---------------------|
| <input type="checkbox"/> | demo_desktop | PRISMA-Ubuntu-14.04-x86_64 | 90.147.102.80 | 4cpu-4GB-20dsk 4GB RAM 4 VCPU 20.0GB Disk | demo_keypair | Shutoff | nova | None | No State | 1 week, 2 days | Start Instance More |

Displaying 1 item

3. In the new window, select “nova” in Availability Zone



Launch Instance

Details * Access & Security * Networking * Post-Creation Advanced Options

Availability Zone:

nova

Instance Name: *

vm-name|

Flavor: *

m1.tiny

Instance Count: *

1

Instance Boot Source: *

--- Select source ---

Specify the details for launching an instance.

The chart below shows the resources used by this project in relation to the project's quotas.

Flavor Details

| Name | m1.tiny |
|----------------|---------|
| VCPUs | 1 |
| Root Disk | 1 GB |
| Ephemeral Disk | 0 GB |
| Total Disk | 1 GB |
| RAM | 512 MB |

Project Limits

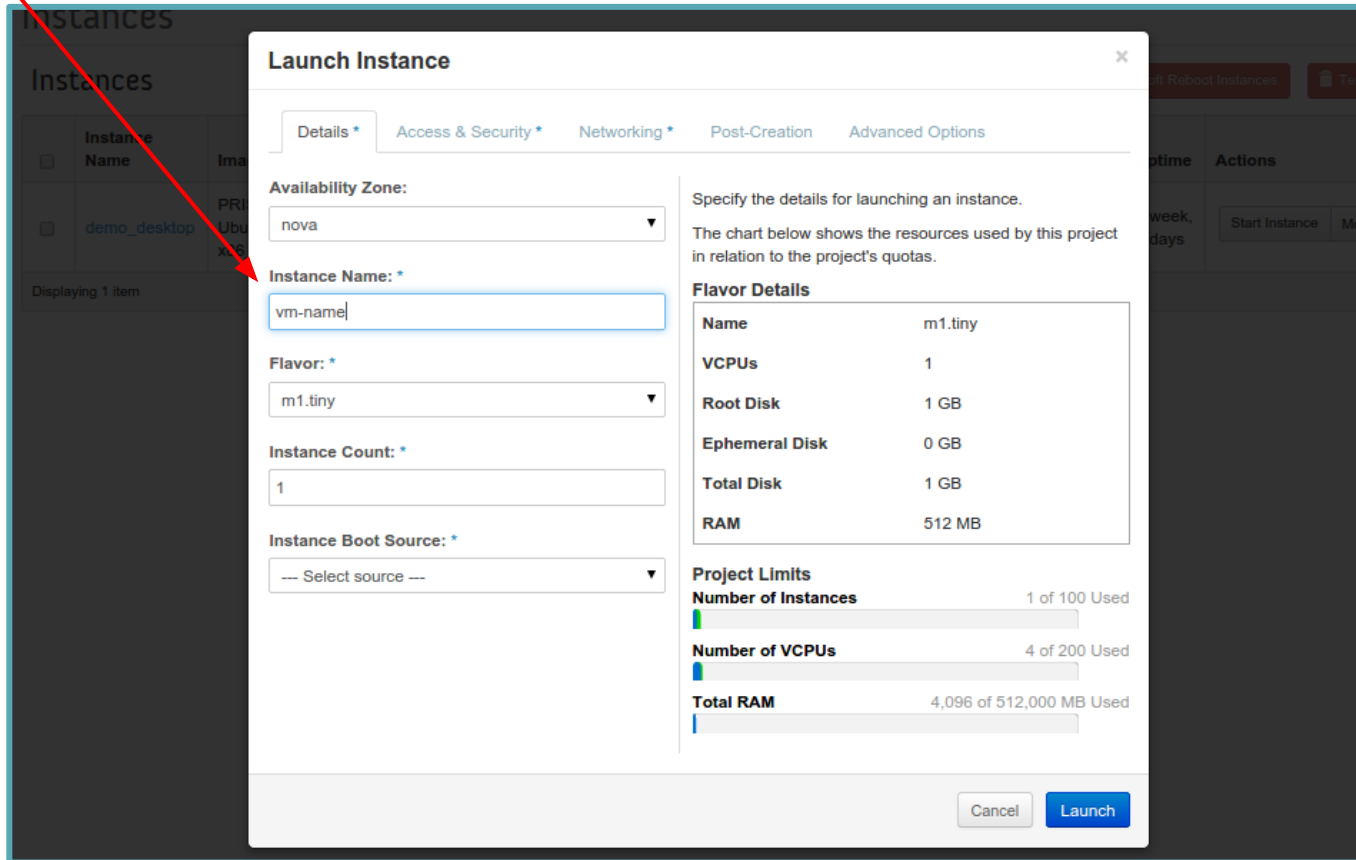
Number of Instances 1 of 100 Used

Number of VCPUs 4 of 200 Used

Total RAM 4,096 of 512,000 MB Used

Cancel Launch

4. Type a name for the VM



The screenshot shows the 'Launch Instance' dialog box in OpenStack. The 'Instance Name' field is highlighted with a blue border and contains the placeholder text 'vm-name|'. A red arrow points from the text '4. Type a name for the VM' to this field.

Launch Instance

Details * Access & Security * Networking * Post-Creation Advanced Options

Availability Zone: nova

Instance Name: * vm-name|

Flavor: * m1.tiny

Instance Count: * 1

Instance Boot Source: * -- Select source --

Specify the details for launching an instance.

The chart below shows the resources used by this project in relation to the project's quotas.

Flavor Details

| | |
|----------------|---------|
| Name | m1.tiny |
| VCPUs | 1 |
| Root Disk | 1 GB |
| Ephemeral Disk | 0 GB |
| Total Disk | 1 GB |
| RAM | 512 MB |

Project Limits

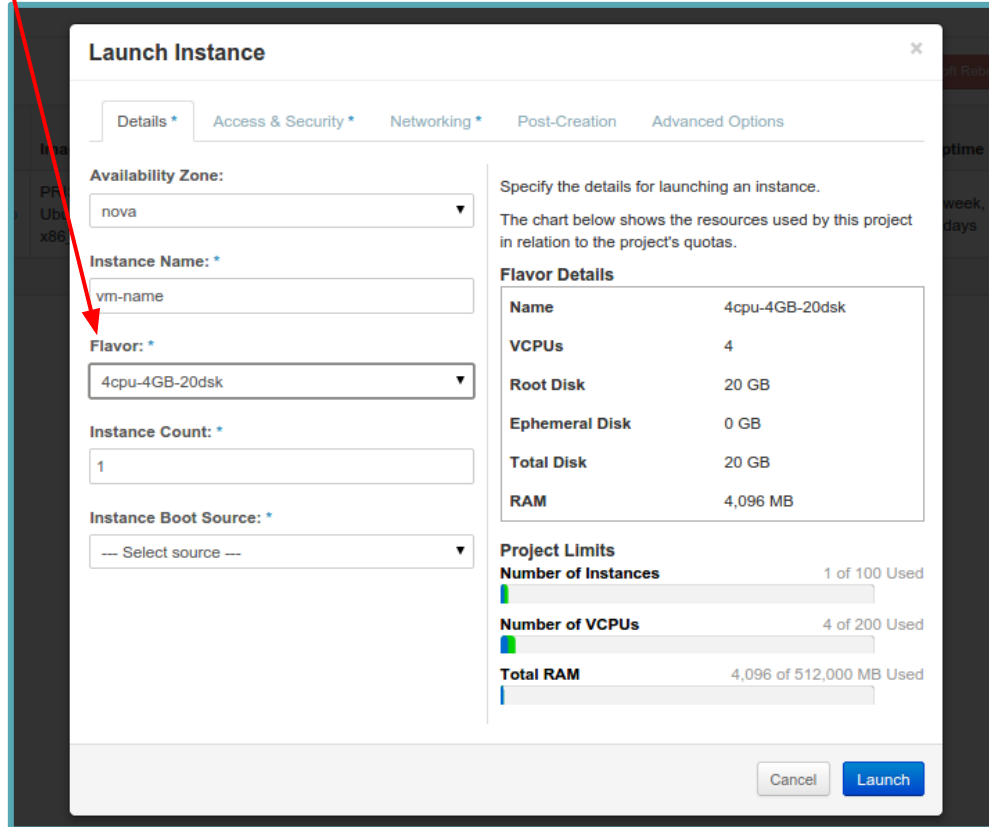
Number of Instances 1 of 100 Used

Number of VCPUs 4 of 200 Used

Total RAM 4,096 of 512,000 MB Used

Cancel Launch

5. Choose a Flavor for the VM among the possibilities in the menu



The screenshot shows the 'Launch Instance' dialog box with the 'Details' tab selected. A red arrow points to the 'Flavor' dropdown menu, which is currently set to '4cpu-4GB-20dsk'.

Launch Instance

Details * Access & Security * Networking * Post-Creation Advanced Options

Availability Zone: nova

Instance Name: * vm-name

Flavor: * 4cpu-4GB-20dsk

Instance Count: * 1

Instance Boot Source: * --- Select source ---

Specify the details for launching an instance.

The chart below shows the resources used by this project in relation to the project's quotas.

Flavor Details

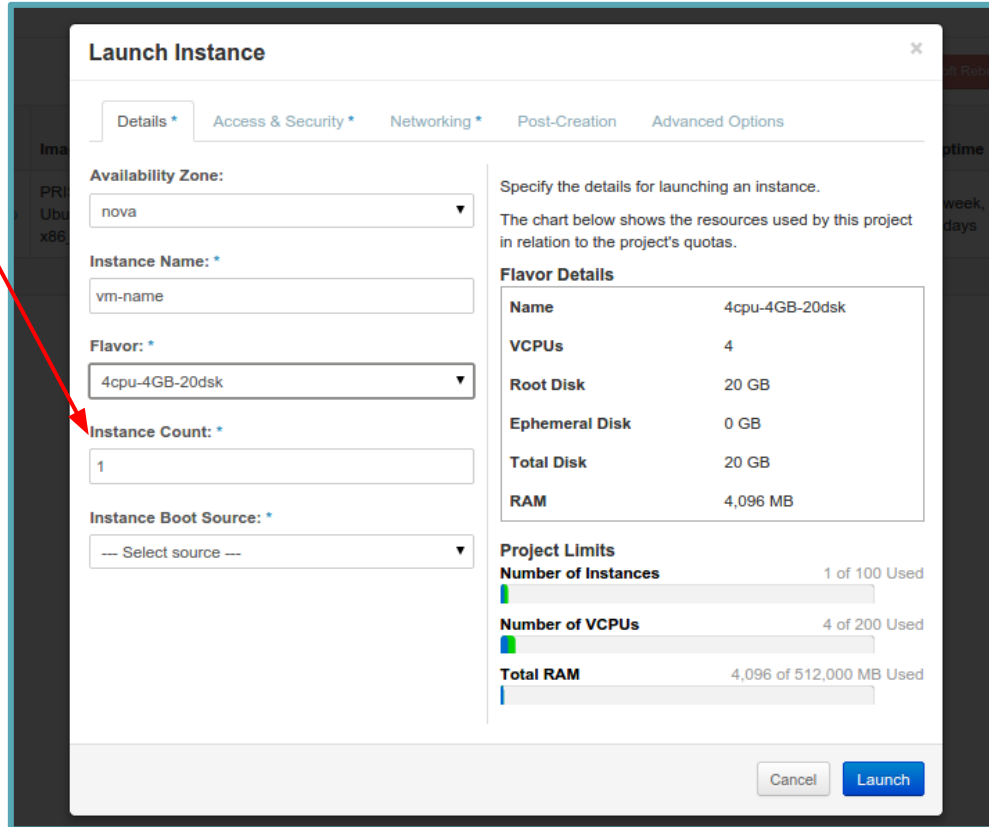
| | |
|----------------|----------------|
| Name | 4cpu-4GB-20dsk |
| VCPUs | 4 |
| Root Disk | 20 GB |
| Ephemeral Disk | 0 GB |
| Total Disk | 20 GB |
| RAM | 4,096 MB |

Project Limits

| | |
|---------------------|--------------------------|
| Number of Instances | 1 of 100 Used |
| Number of VCPUs | 4 of 200 Used |
| Total RAM | 4,096 of 512,000 MB Used |

Cancel Launch

6. Type the number of VMs you want to instantiate



The screenshot shows the 'Launch Instance' dialog box with the 'Details' tab selected. A red arrow points to the 'Instance Count' field, which is set to '1'. The 'Instance Name' field is 'vm-name', the 'Flavor' is '4cpu-4GB-20dsk', and the 'Availability Zone' is 'nova'. The 'Instance Boot Source' is set to '--- Select source ---'. On the right, the 'Flavor Details' table shows 4 VCPUs, 20 GB Root Disk, 0 GB Ephemeral Disk, 20 GB Total Disk, and 4,096 MB RAM. The 'Project Limits' section shows 1 of 100 instances used, 4 of 200 VCPUs used, and 4,096 of 512,000 MB RAM used. The 'Launch' button is highlighted in blue.

Launch Instance

Details * Access & Security * Networking * Post-Creation Advanced Options

Availability Zone: nova

Instance Name: * vm-name

Flavor: * 4cpu-4GB-20dsk

Instance Count: * 1

Instance Boot Source: * --- Select source ---

Specify the details for launching an instance.

The chart below shows the resources used by this project in relation to the project's quotas.

Flavor Details

| | |
|----------------|----------------|
| Name | 4cpu-4GB-20dsk |
| VCPUs | 4 |
| Root Disk | 20 GB |
| Ephemeral Disk | 0 GB |
| Total Disk | 20 GB |
| RAM | 4,096 MB |

Project Limits

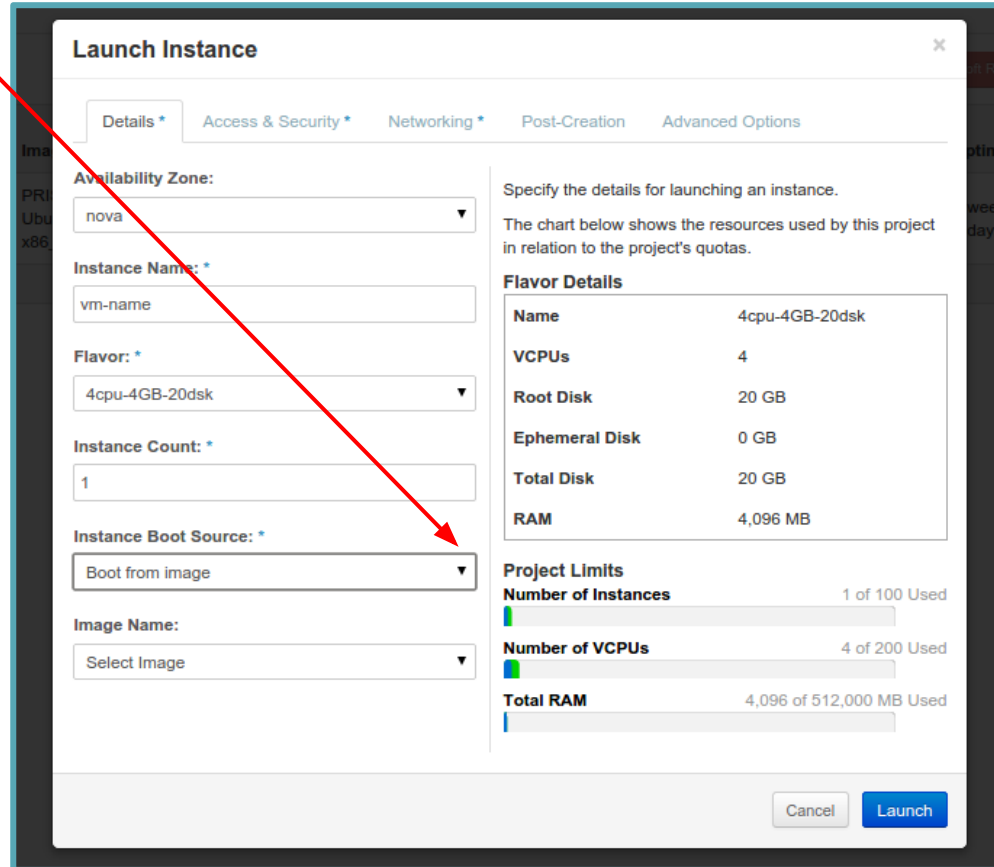
Number of Instances 1 of 100 Used

Number of VCPUs 4 of 200 Used

Total RAM 4,096 of 512,000 MB Used

Cancel Launch

7. Choose a source for the boot (in this example, “Boot from image”)



The screenshot shows the 'Launch Instance' dialog box with the following fields and sections:

- Availability Zone:** nova
- Instance Name:** vm-name
- Flavor:** 4cpu-4GB-20dsk
- Instance Count:** 1
- Instance Boot Source:** Boot from image (indicated by a red arrow)
- Image Name:** Select Image

Flavor Details

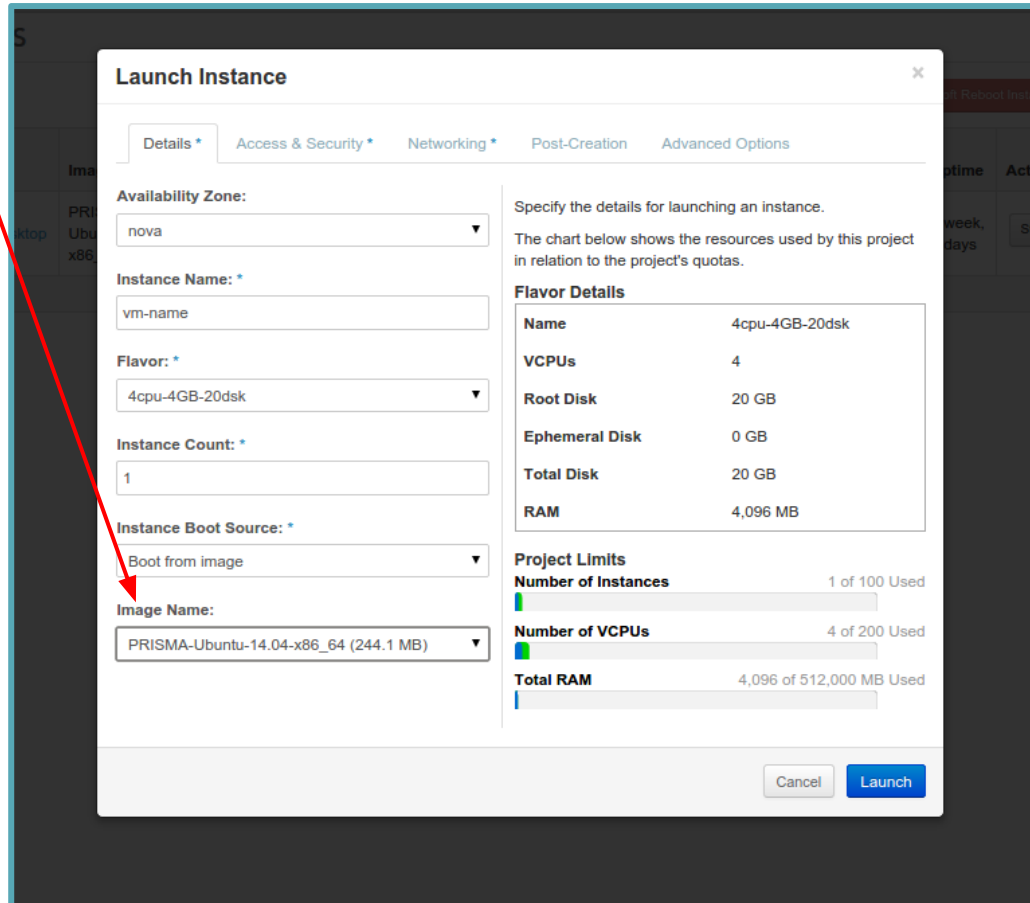
| Name | 4cpu-4GB-20dsk |
|----------------|----------------|
| VCPUs | 4 |
| Root Disk | 20 GB |
| Ephemeral Disk | 0 GB |
| Total Disk | 20 GB |
| RAM | 4,096 MB |

Project Limits

- Number of Instances:** 1 of 100 Used
- Number of VCPUs:** 4 of 200 Used
- Total RAM:** 4,096 of 512,000 MB Used

Buttons: Cancel, Launch

8. Choose an image from the menu



The screenshot shows the 'Launch Instance' dialog box with the 'Details' tab selected. A red arrow points to the 'Image Name' dropdown menu, which is currently set to 'PRISMA-Ubuntu-14.04-x86_64 (244.1 MB)'. The dialog box contains the following fields and sections:

- Availability Zone:** nova
- Instance Name:** vm-name
- Flavor:** 4cpu-4GB-20dsk
- Instance Count:** 1
- Instance Boot Source:** Boot from image
- Image Name:** PRISMA-Ubuntu-14.04-x86_64 (244.1 MB)

On the right side, there is a section for 'Flavor Details' and 'Project Limits'.

Flavor Details

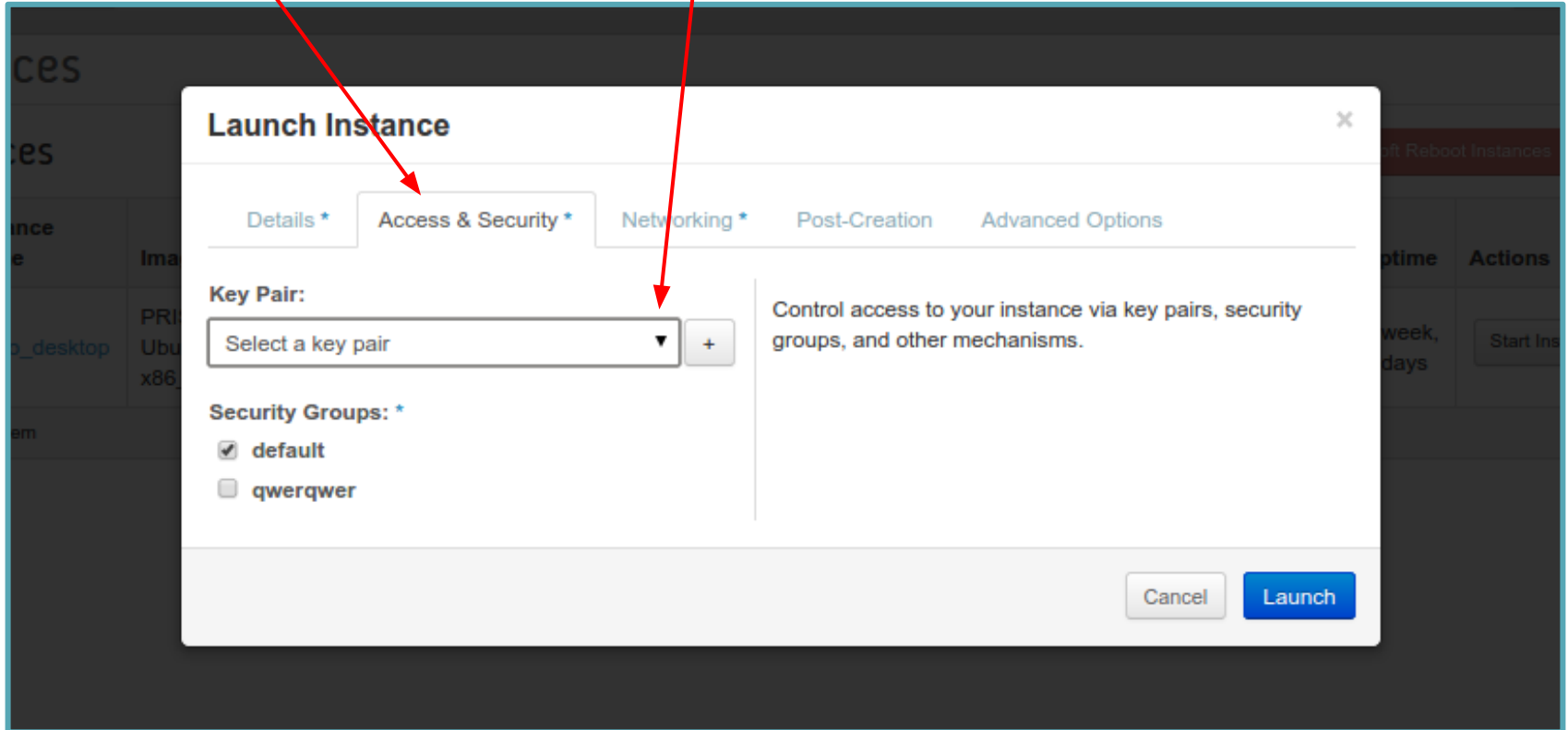
| Name | 4cpu-4GB-20dsk |
|----------------|----------------|
| VCPUs | 4 |
| Root Disk | 20 GB |
| Ephemeral Disk | 0 GB |
| Total Disk | 20 GB |
| RAM | 4,096 MB |

Project Limits

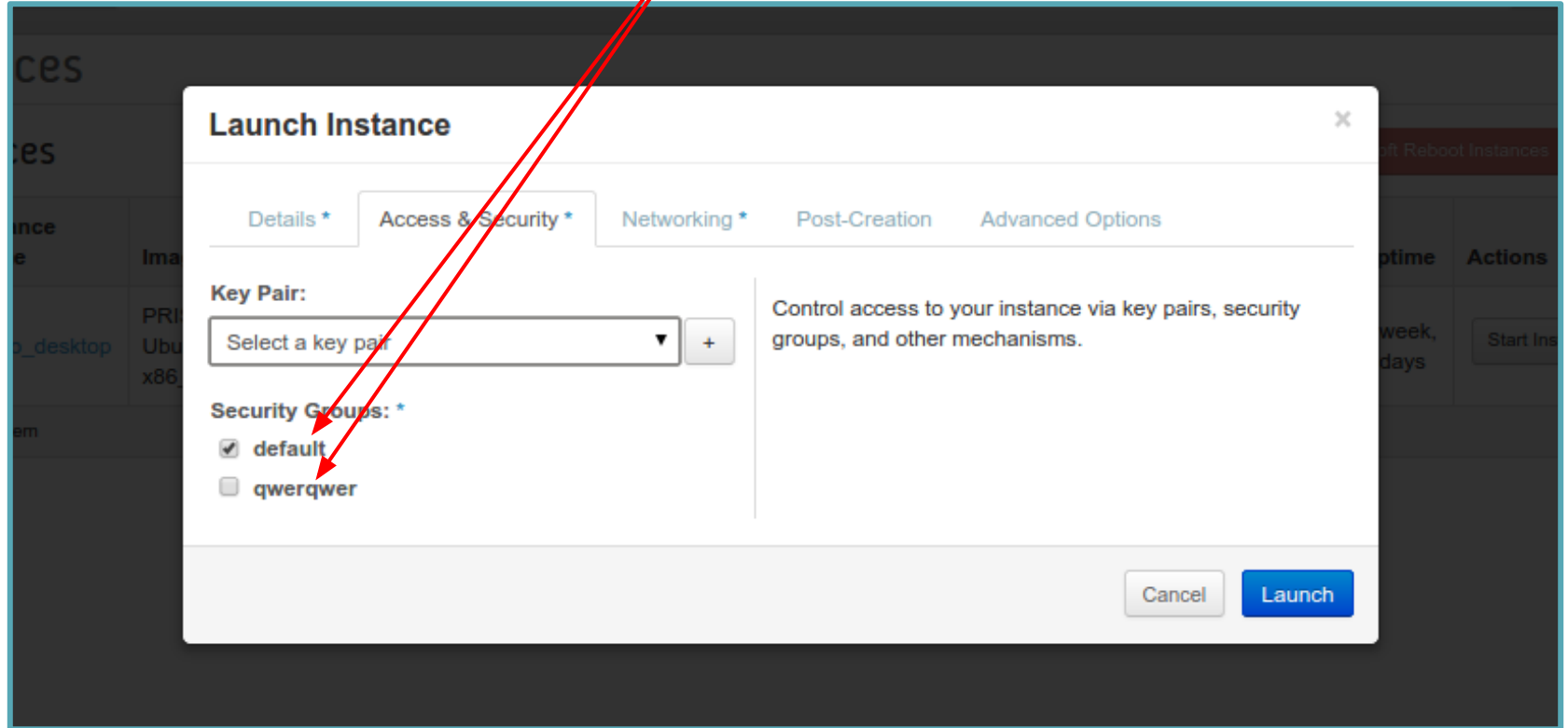
| Resource | Used | Limit |
|---------------------|--------------------------|------------|
| Number of Instances | 1 of 100 Used | 100 |
| Number of VCPUs | 4 of 200 Used | 200 |
| Total RAM | 4,096 of 512,000 MB Used | 512,000 MB |

At the bottom right, there are 'Cancel' and 'Launch' buttons.

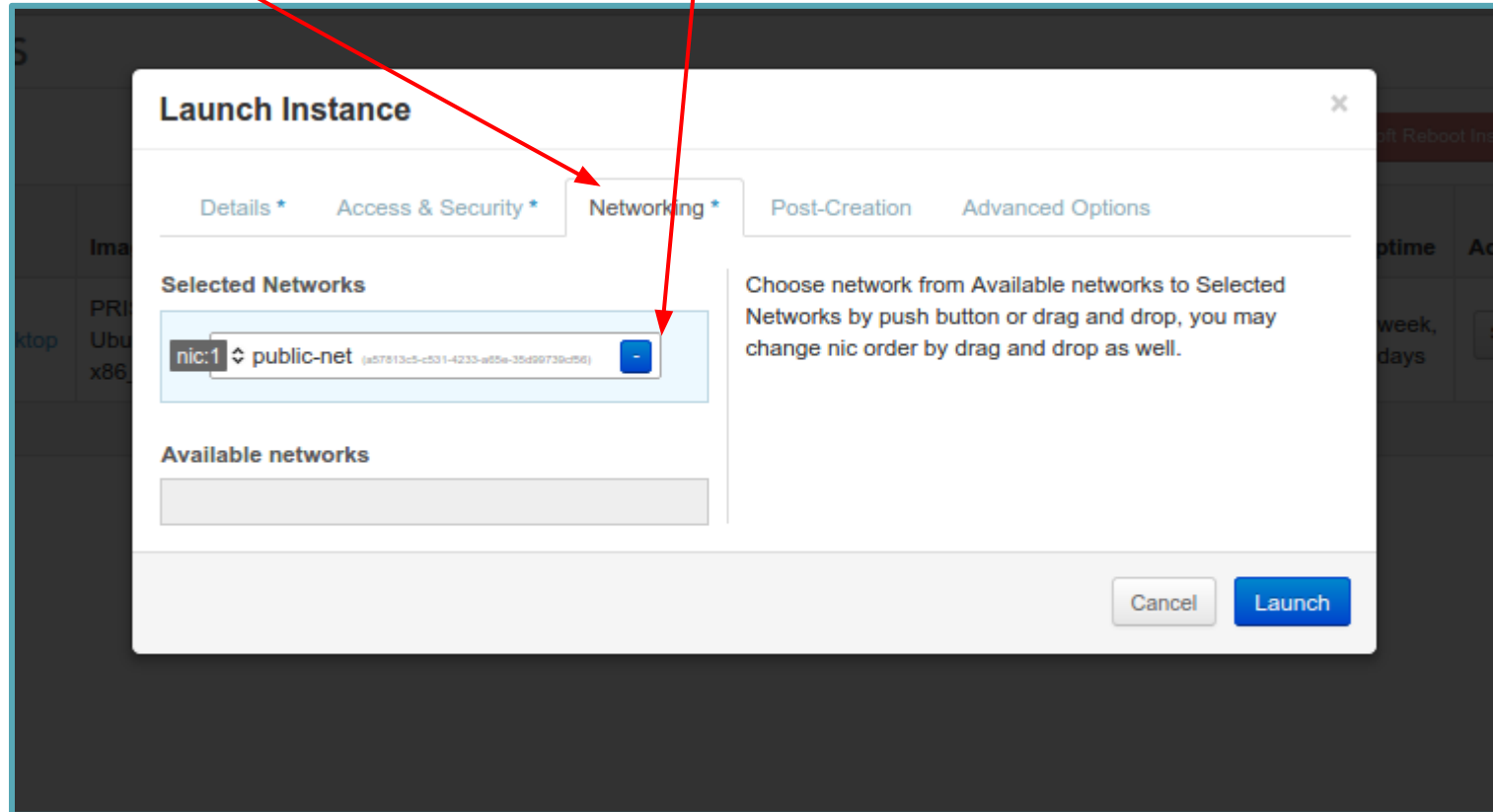
9. In Access & Security panel, select your key pair



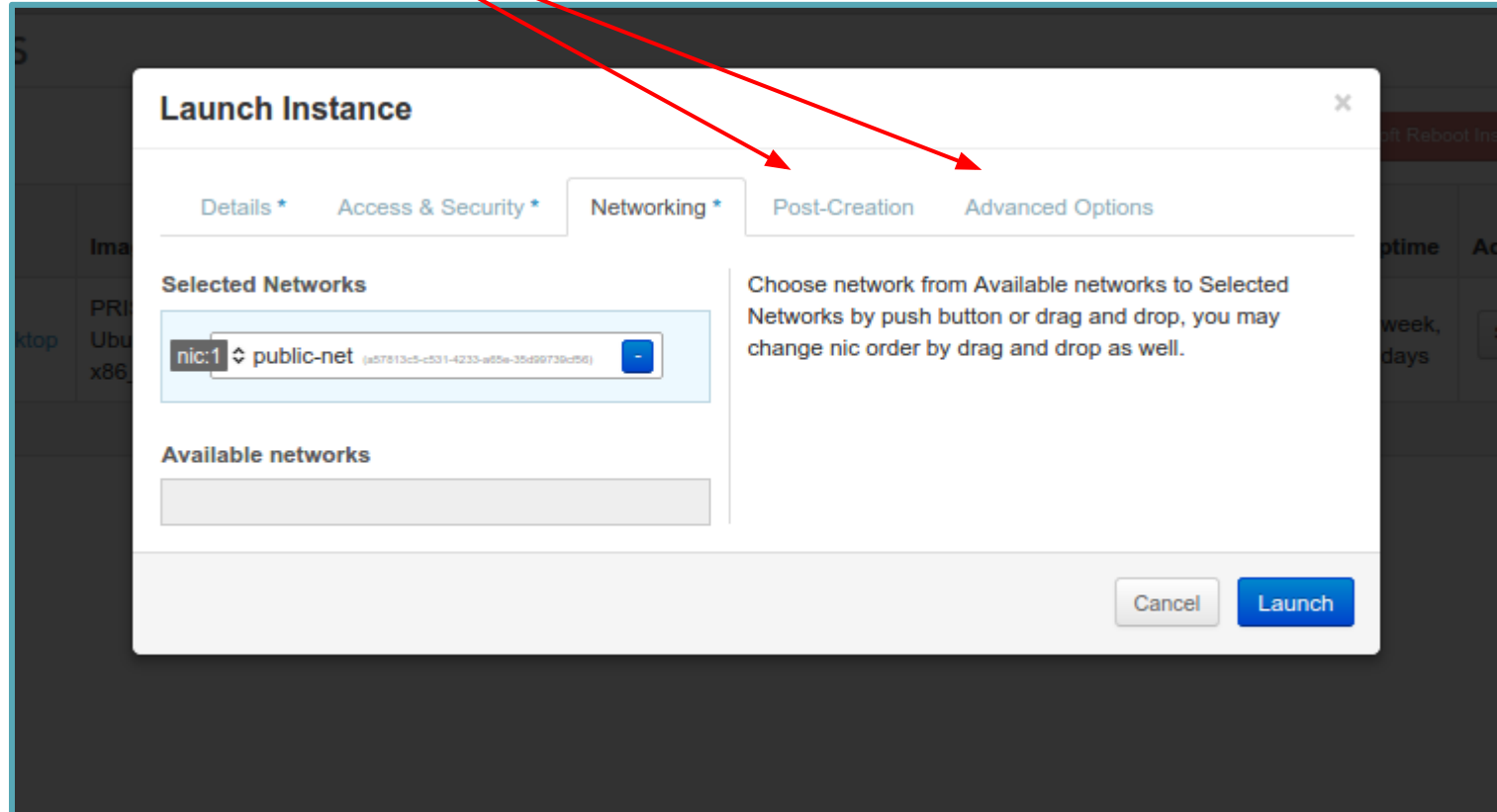
10. Associate one or more Security Groups for the VM



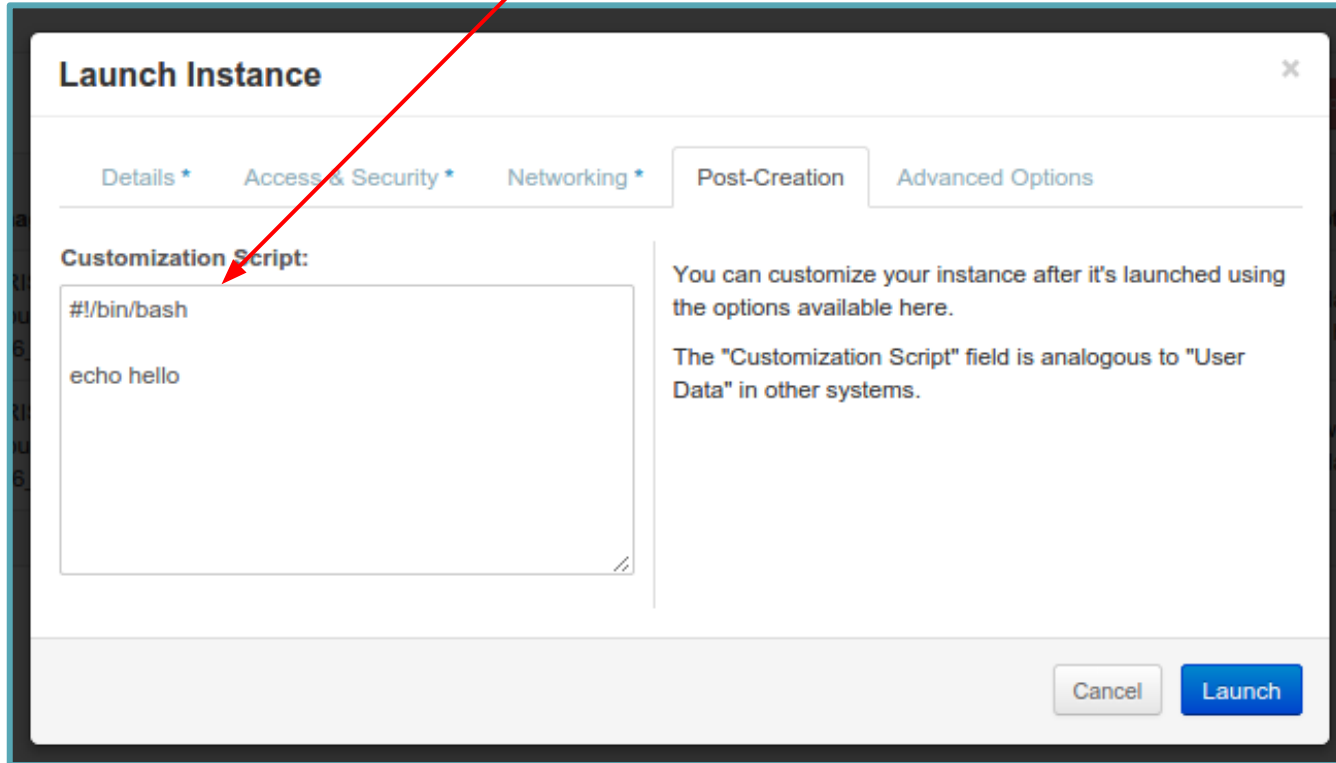
11. In the **Networking** panel, select the network(s) for the VM



12. The last two panels are for advanced settings.



In **Post-Creation** you can paste a script you want to be executed at first boot



Launch Instance [X]

Details * Access & Security * Networking * **Post-Creation** Advanced Options

Customization Script:

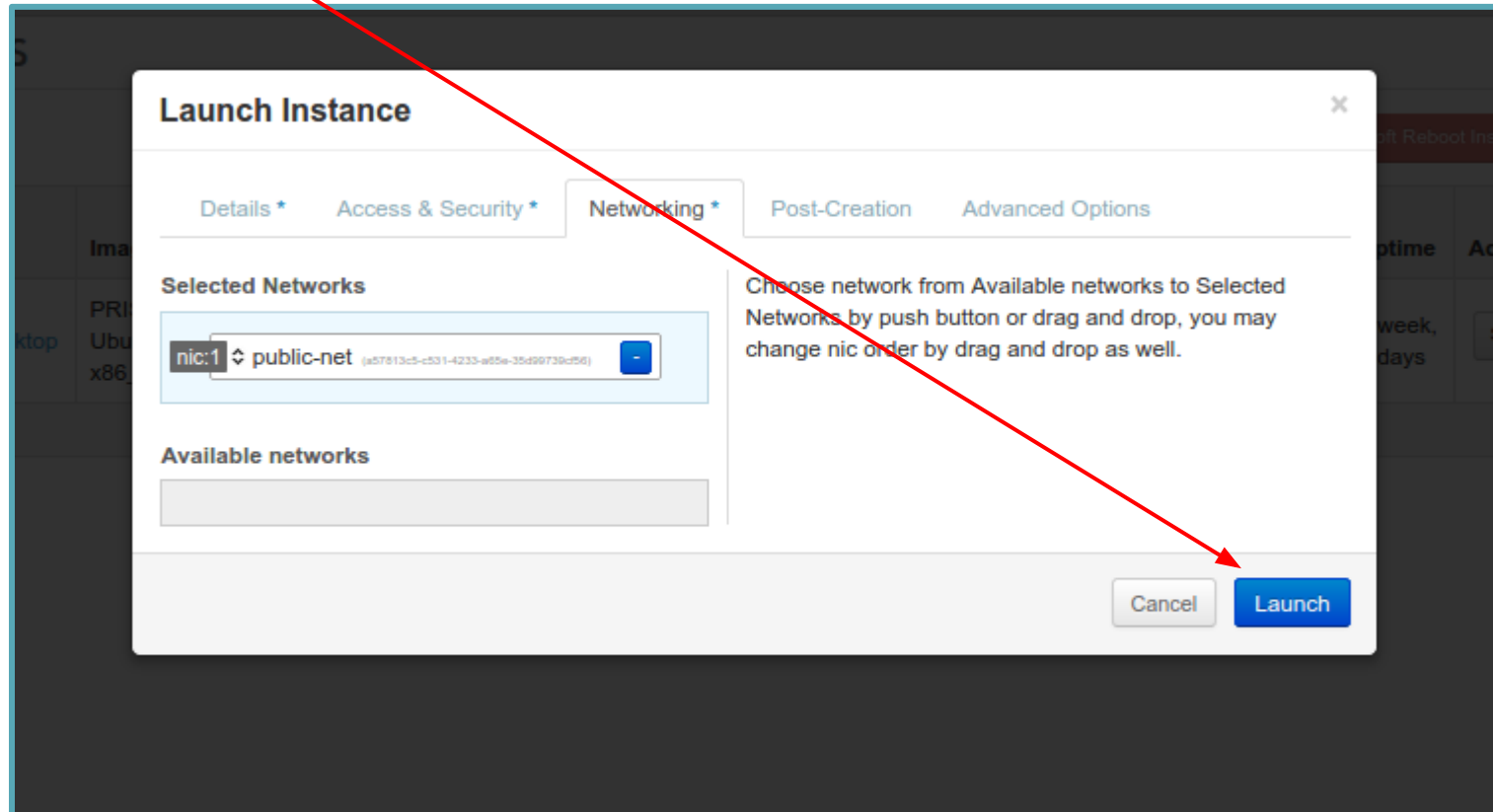
```
#!/bin/bash  
  
echo hello
```

You can customize your instance after it's launched using the options available here.

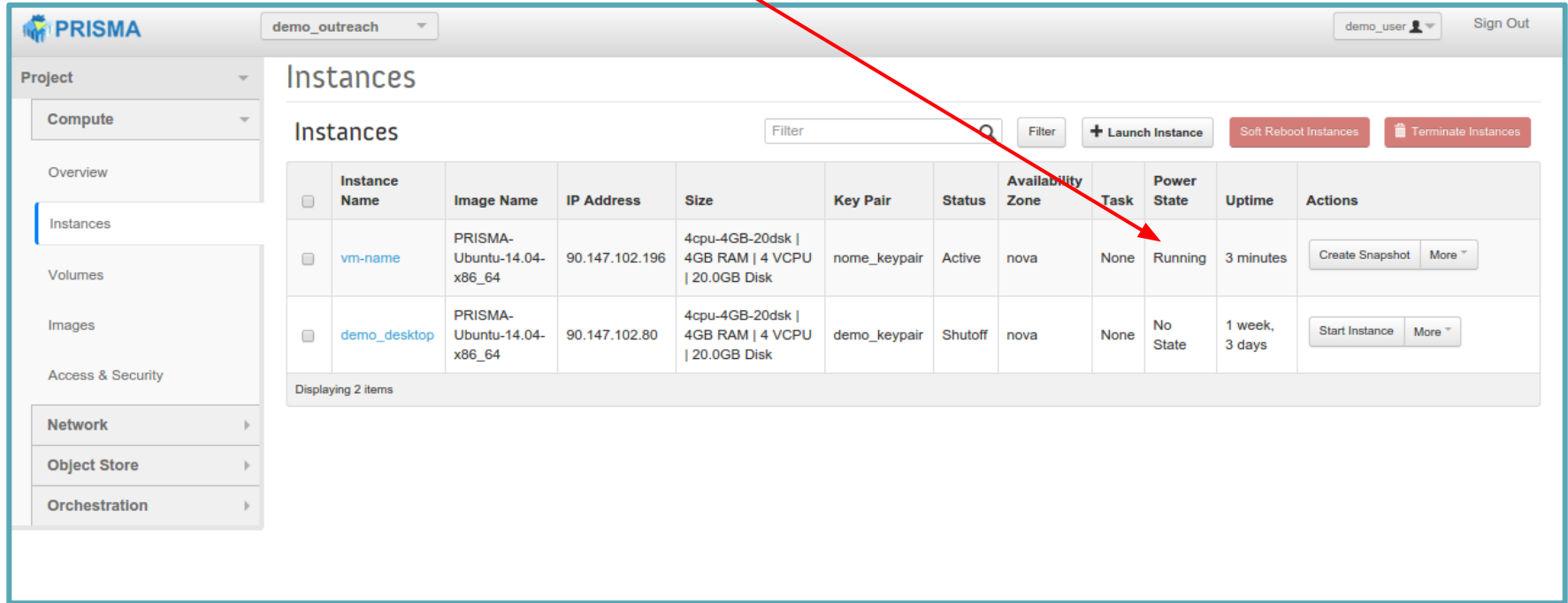
The "Customization Script" field is analogous to "User Data" in other systems.

Cancel Launch

13. Click **Launch** to start instancing



14. After a little while, the VM you are creating will appear in Running state



The screenshot displays the PRISMA cloud management interface. On the left is a sidebar with navigation links: Project, Compute, Overview, Instances, Volumes, Images, Access & Security, Network, Object Store, and Orchestration. The main area is titled 'Instances' and contains a table of VM instances. A red arrow points from the text '14. After a little while, the VM you are creating will appear in Running state' to the 'Running' status in the 'vm-name' row.

PRISMA demo_outreach demo_user Sign Out

Instances

Filter Filter [+ Launch Instance](#) [Soft Reboot Instances](#) [Terminate Instances](#)

| <input type="checkbox"/> | Instance Name | Image Name | IP Address | Size | Key Pair | Status | Availability Zone | Task | Power State | Uptime | Actions |
|--------------------------|---------------|----------------------------|----------------|---|--------------|---------|-------------------|------|-------------|----------------|--|
| <input type="checkbox"/> | vm-name | PRISMA-Ubuntu-14.04-x86_64 | 90.147.102.196 | 4cpu-4GB-20dsk 4GB RAM 4 VCPU 20.0GB Disk | nome_keypair | Active | nova | None | Running | 3 minutes | Create Snapshot More ▾ |
| <input type="checkbox"/> | demo_desktop | PRISMA-Ubuntu-14.04-x86_64 | 90.147.102.80 | 4cpu-4GB-20dsk 4GB RAM 4 VCPU 20.0GB Disk | demo_keypair | Shutoff | nova | None | No State | 1 week, 3 days | Start Instance More ▾ |

Displaying 2 items