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How To Launch Cloud Instance From Volume

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Introduction

Launching a new instance in the cloud can be an exciting step in scaling your resources or deploying new applications. This guide is designed to assist users in creating instances by leveraging volumes from images or snapshots within the Customer Portal. It is important to ensure that you have completed the prerequisites before you proceed with the steps provided. By following this guide, you will be able to launch your instance smoothly and efficiently.

Prerequisite

- Register and log in to your Customer Portal account.
- Top-up credit to launch Cloud Instance.

Instructions

Step 1: Access Instances

- Log into your portal account and Click on **NovaCloud**.
- Select **Instances** from the dropdown menu.

Step 2: Check or Create Volumes

- Click on **Volumes** from the left-side dropdown. Verify if an existing volume is available.
- If needed, create a new volume by selecting:
 - **Create Volume From Image** or
 - **Create Volume From Snapshot** (depending on the use case).

Note: Volume created from snapshot needs to be from a bootable snapshot, in order to ensure the Instance can be launched

Step 3: Launch Instance

- Ensure the volume is in **available** status.
- Click on **Instances** and click **Launch Instance**.

Step 4: Create Instance From Existing Volume

- Select **Create Instance from Volume/Snapshot**.

Step 5: Choose a Flavor

- Select a **Flavor** for the instance (General Optimized, RAM Optimized, or CPU Optimized).

Note: We offer a variety of Instance types (eg: General Optimized, RAM Optimized, CPU Optimized). You may select the flavor based on your use-case. Flavor can be upgraded in the future when scaling is required. You may refer to this guide to upgrade the plan : [How To Resize Cloud Instance](#)

Step 6: Select Volume or Snapshot

- Select the desired volume or snapshot from the dropdown menu.

Note: The volume you've chosen/created will appear in the dropdown selection. Proceed to select volume.

Step 7: Name Your Instance

- Enter a name for the instance and click **Continue**.

Step 8: Generate or Import a Key Pair

- Choose to either:
 - **Generate** a new key pair or
 - **Import** an existing public key.

Note: You can also **Import** and use your existing public key. If you do not have any public keys yet, click on **Generate** to create one.

Step 9: Name and Generate Key Pair

- Enter a name for the key pair.
- Click **Generate**.

Important Note: This key-pair will be used to access your Instance.

Step 10: Download Your Private Key

- Download the private key (.pem file) to a secure location.

Note: The private key is unique and non-retrievable nor re-settable, thus, in any case, this key goes missing, you will lose access to your Instance.

Step 11: Select the New Key Pair

- Select the newly generated key pair for the instance.

Step 12: (Optional) Apply Predefined Security Group Rules

- Apply predefined security group rules if needed.

Step 13: (Optional) Create a New Security Group

- Create **Create Security Group** rules by clicking **Here**
- Enter a name for the new security group and click **Create**.
- Select the newly created security group.
- Review the security group rules.

Note: The default security group allows all egress traffic and block all ingress traffic.

Step 14: Review Instance Costs

- Review the total cost of the instance.
- Ensure you have enough credit in your account.

Note: Make sure you have sufficient **credit** in your account before launching an Instance.

Step 15: View Launched Instance

- Click **Instances** to view the newly launched instance.

Step 16: Monitor Instance Creation

- Wait for the instance to be created.
- Refresh the page periodically to check its status.

Final Result

Your Instance will be in **Active** status once the launch is successful.

Important Note: You might want to take note of the IP addresses that have been assigned to your Instance.

Conclusion

Congratulations on successfully launching your instance! You've navigated through the process of instance creation with ease, ensuring that your cloud environment is customized to your specific requirements. Keep in mind the importance of securing your key-pair, as it is crucial for accessing your instance. Should you have any inquiries of the guidelines, please feel free to open a ticket through your portal account or contact us at +603 – 2026 1688. We'll be happy to assist you further

Related Article

- [How To Launch Cloud Instance From One-Click Application](#)
- [How to launch cloud instance from image?](#)
- [How To Launch Cloud Instance From Snapshot](#)
- [How to Retrieve Administrator Password for your Instance from Customer Portal \(Windows Only\)](#)
- [How to access Dedicated Server using IPMI login on Customer Portal](#)

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