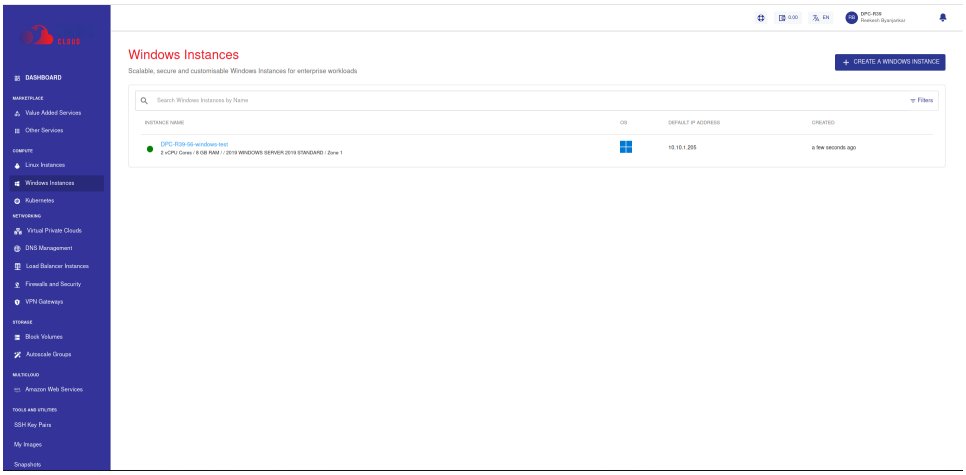
1. About Windows Instances

Instances are computing units that provide you with resources to run your applications/workloads. Windows Instances are virtual machines that run the images of Windows Operating Systems.

Danfe offers a highly usable and visual way of working with and operating Windows Instances using the Cloud Console. All Linux Instances available in your account can be accessed in the following way:

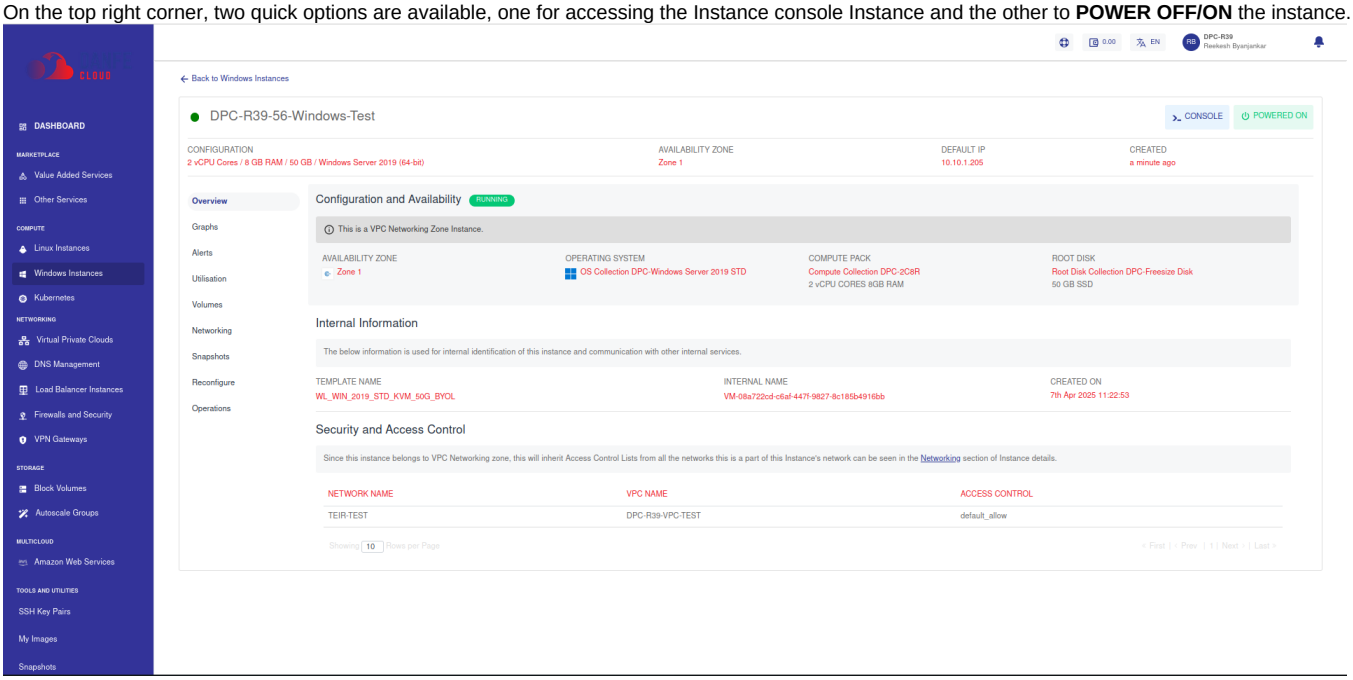
1. Navigate to **Compute > Windows Instances**.
2. All the Windows Instances for your account will be listed here with the following details:
    - Instance Name (Along with the configuration details)
    - OS- Icon
    - Default IP Address
    - Created



To view a list of sections and the various operations or actions, click **Instance name**. Below the Instance name, there is an informational view where you can find the below details:

- Configuration
- Availability Zone
- Default IP
- Created

On the top right corner, two quick options are available, one for accessing the Instance console Instance and the other to **POWER OFF/ON** the instance.



Details on available Windows Instance operations and actions can be found in their respective sections:

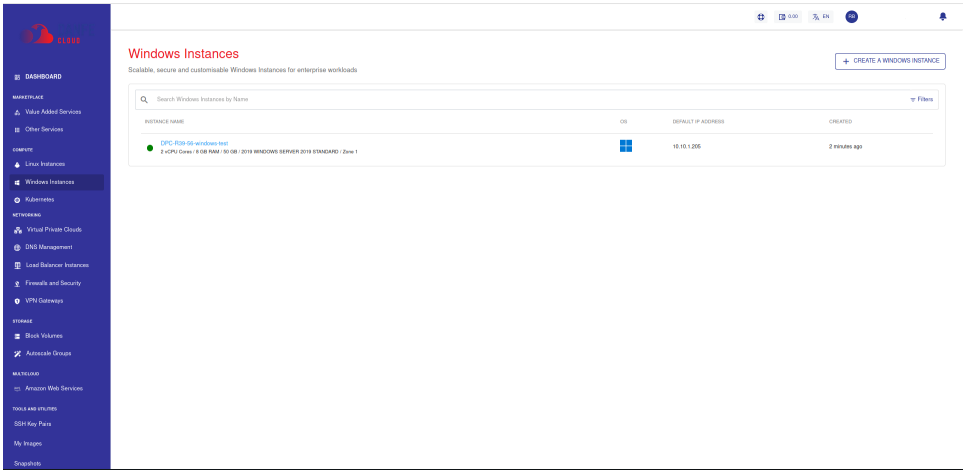
- Overview
- Graphs & Utilisation
- Alerts
- Volumes
- Networking
- Snapshots
- Reconfigure
- Operations

2. Creating Windows Instances

Before creating a Windows Instance, it is important to plan the architecture, networking and access to the Windows Instances.

To create a Windows instance, follow these steps:

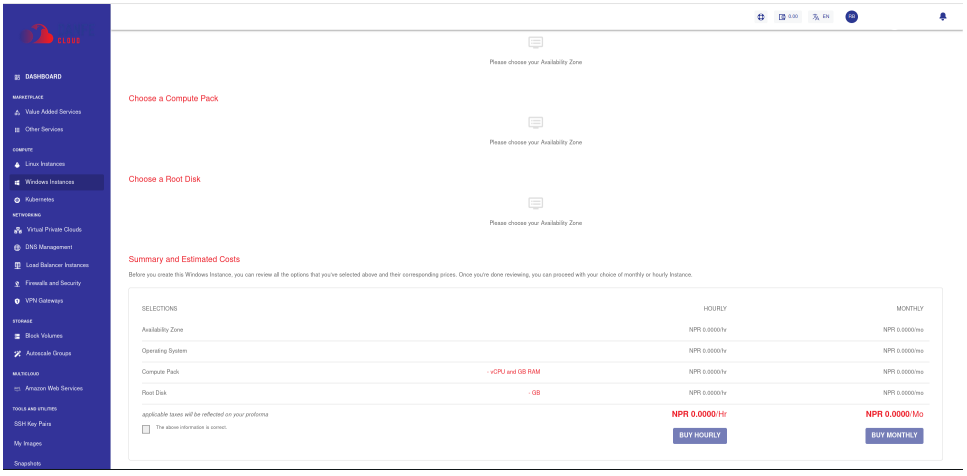
1. Navigate to **Compute > Windows** Instances.



2. Click on the **+ NEW WINDOWS INSTANCE** button.
3. Choose an Availability Zone, which is the geographical region where your Instance will be deployed.
4. Select a VPC network from the **Select Network** DropdVNFown and, select the appropriate tier listed in **Select a Network Tier**.
   note:To add a Windows Instance to a VPC, you need to have a VPC or VNF configured with at least one tier.

5. Choose an Image to run on your Instance. This can be an operating system or a custom image that is available under **MY IMAGES.**
6. Select a compute pack from the available compute collections.
7. Select the Root Disk from the available Disk Packs. You can use the free size option to specify the Root Disk size.
8. Verify the Estimated Cost of your Windows Instance based on the chosen specifications from the Summary and Estimated Costs Section (Here, both Hourly and Monthly Prices summary are displayed).
9. Click on the check box after going through the policies mentioned by your cloud service provider.
10. Choose the BUY HOURLY or BUY MONTHLY option. A confirmation window appears and the price summary will be displayed along with the discount codes if you have any in your account.

    - You can apply any of the discount codes listed by clicking on the **APPLY** button.
    - You can also remove the applied discount code by clicking on the **REMOVE** button.
    - You can cancel this action by clicking on the **CANCEL** button.
    - Click **CONFIRM** to create the Windows Instance.



Click **CONFIRM** to create the Windows Instance.

Once ready, you are notified of this purchase on your email address on record. To access the newly created Windows Instances, navigate to **Compute > Windows Instances** on the main navigation panel.

3. Connecting to a Windows Instance

Unlike Linux Instances that use SSH connections, Windows Instances use the remote desktop protocol (RDP).

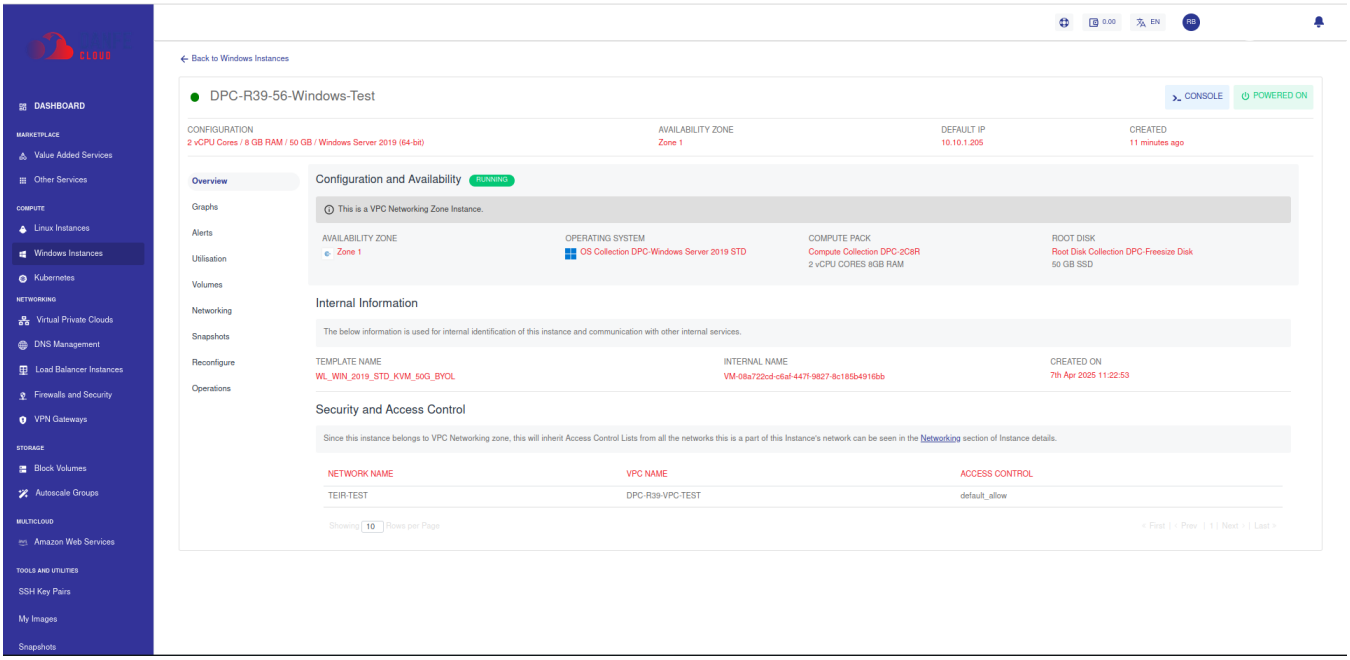
To connect to a Windows Instance, any RDP client may be used. While Microsoft Remote Desktop works ubiquitously across Windows, MacOS and Linux machines (and also Android/Chromebook and iPad OS), a list of popular RDP tools can be found here.

4. Viewing Details of Windows Instances

To view the details of Windows Instances, navigate to Operating Windows Instances, select a Windows Instance and access the **Overview** tab.

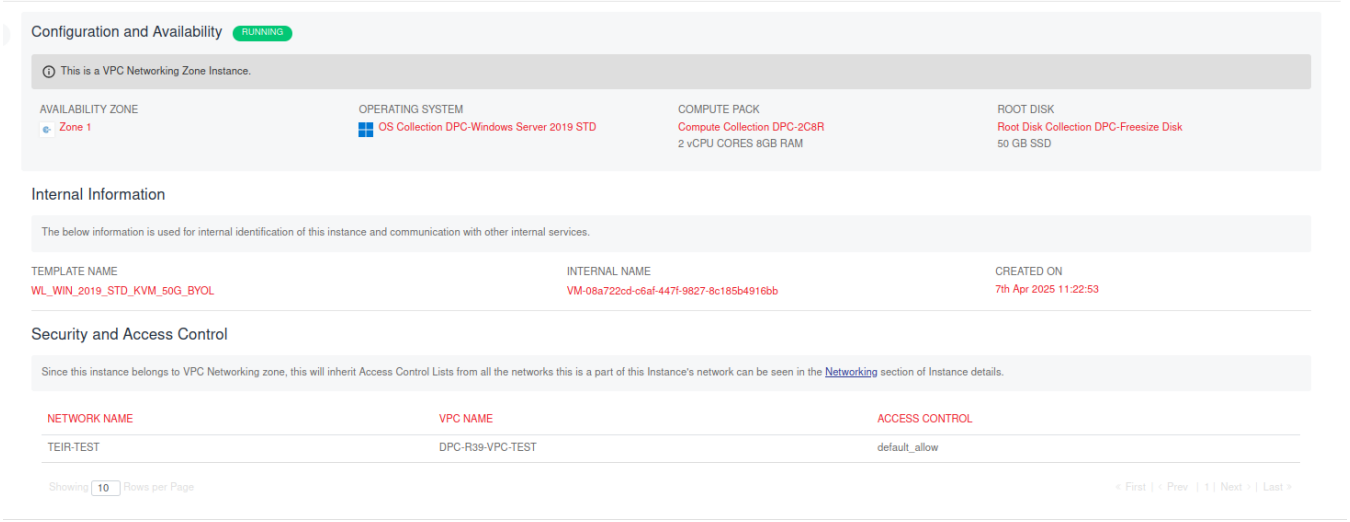
Configuration and Availability

a. The instance's status, **RUNNING**, is displayed in Green , whereas **STOPPED** is displayed in greyed out.
b. Information about the networking zone.



Internal Information - This displays the information that is used for internal identification of this instance and communication with other internal services.

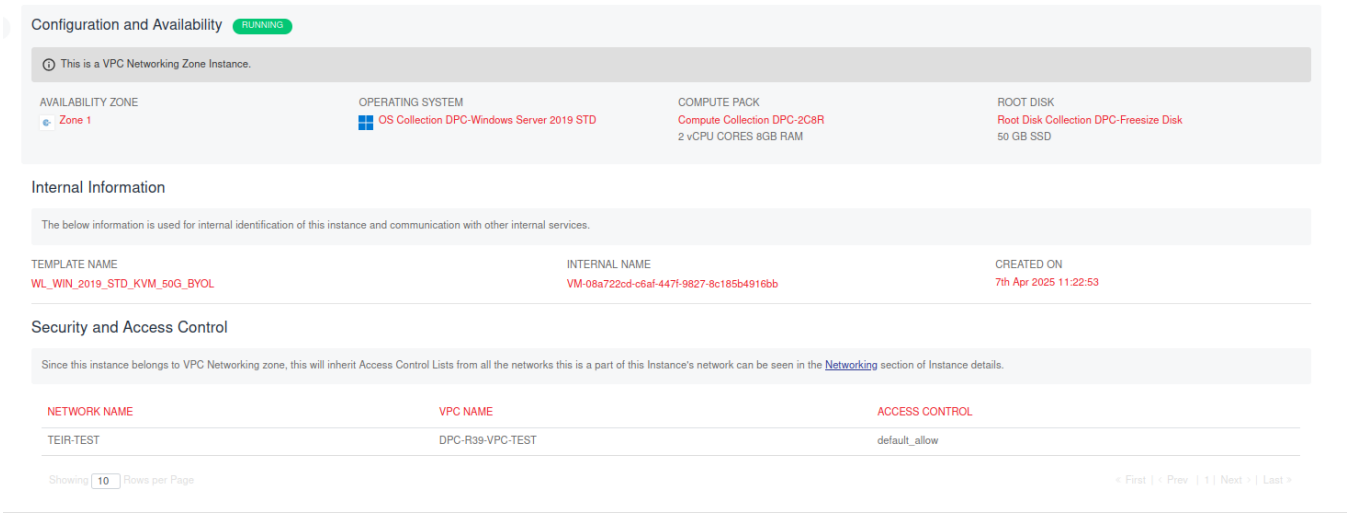
1. Template Name
2. Internal Name
3. Created On



Security and Access Control- Depending on the networking zone, the information and operations will be available here.

- If it's a VPC Networking zone, then you can view the below information:
    1. Network Name

2. VPC Name
3. Access Control



5. Viewing Graphs and Utilisation of Windows Instances

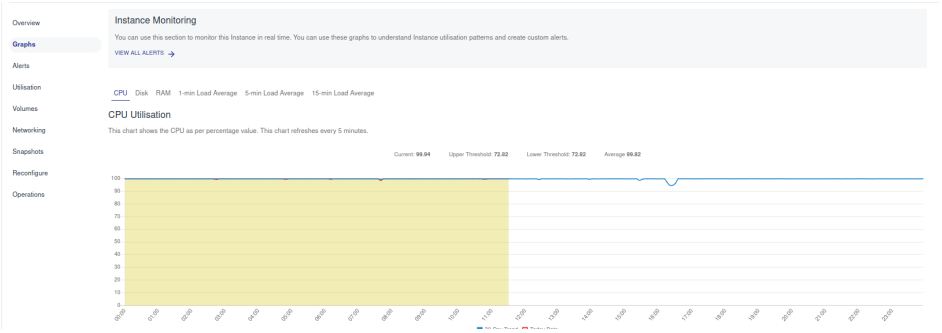
Graphs (Real-time)

To view the available graphs and monitor the instance in real-time, navigate to Windows Instances Screen, select a Windows Instance, and access the **Graphs** tab.

You can use these graphs to understand Instance utilisation patterns and create custom alerts.

The following graphs are available on a 24-hour time-scale graph with a 30-day trend line for the following parameters:

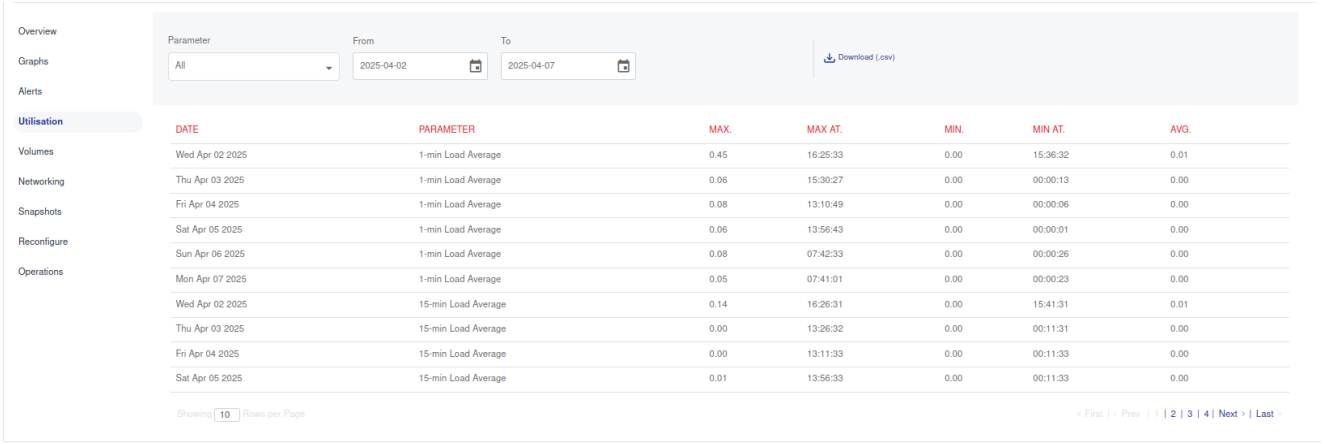
- CPU Utilisation
- RAM Utilisation
- Disk Utilisation
- 1-min load average
- 5-min load average
- 15-min load average



Utilisation (Historical)

To view historical usage across supported parameters, navigate to Operating Windows Instances, select a Windows Instance and access the **Utilisation** tab.

The Utillisation table shows a historical date-wise details of daily maximum, minimum, and average readings for all parameters. The utilisation report is downloadable as a .csv file.



DATE	PARAMETER	MAX.	MAX AT.	MIN.	MIN AT.	AVG.
Wed Apr 02 2025	1-min Load Average	0.45	16:25:33	0.00	15:36:32	0.01
Thu Apr 03 2025	1-min Load Average	0.06	15:30:27	0.00	00:00:13	0.00
Fri Apr 04 2025	1-min Load Average	0.08	13:10:49	0.00	00:00:06	0.00
Sat Apr 05 2025	1-min Load Average	0.06	13:56:43	0.00	00:00:01	0.00
Sun Apr 06 2025	1-min Load Average	0.08	07:42:33	0.00	00:00:26	0.00
Mon Apr 07 2025	1-min Load Average	0.05	07:41:01	0.00	00:00:23	0.00
Wed Apr 02 2025	15-min Load Average	0.14	16:26:31	0.00	15:41:31	0.01
Thu Apr 03 2025	15-min Load Average	0.00	13:26:32	0.00	00:11:31	0.00
Fri Apr 04 2025	15-min Load Average	0.00	13:11:33	0.00	00:11:33	0.00
Sat Apr 05 2025	15-min Load Average	0.01	13:56:33	0.00	00:11:33	0.00

6. Configuring Alerts on Windows Instances

To view the configured alerts or configure new ones, navigate to Operating Windows Instances, select a Windows Instance and access the **Alerts** tab .

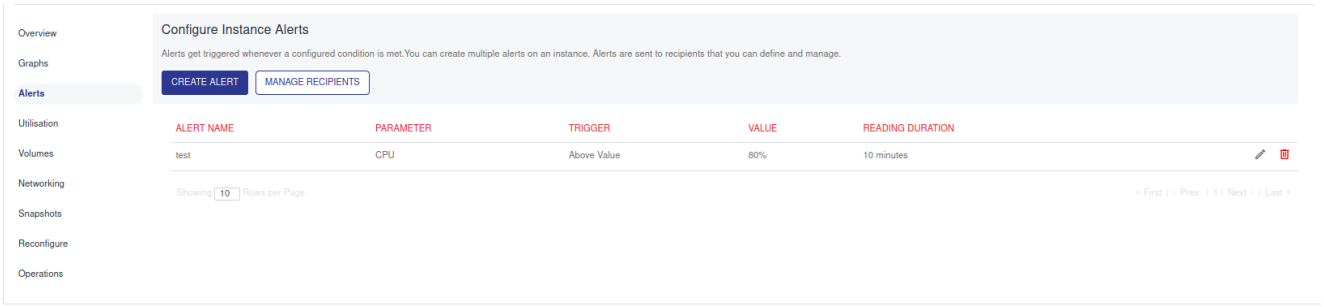
Alerts get triggered whenever a configured condition is met. You can create multiple alerts on an instance. Alerts are sent to recipients that you can define and manage.

Subscribers can configure alerts for instances running on the Apiculus. Subscribers can define alerts for Instances and configure the email recipients for these alerts using a straightforward and easy-to-use interface.

Instance Alerts

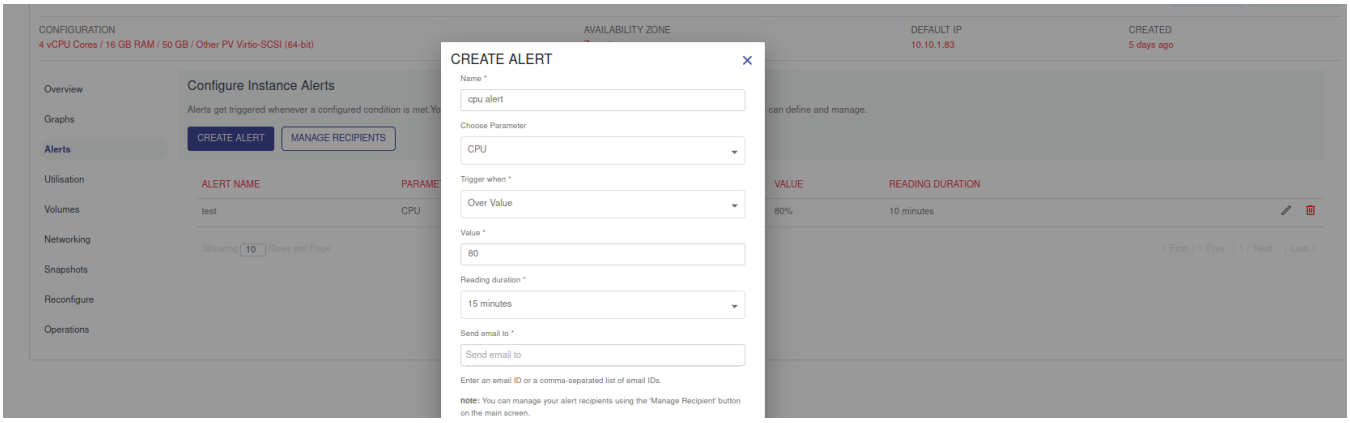
The Alerts tab can be accessed from the instances details. It shows the alerts already configured for that particular VM with following details:

- ID
- Alert Name
- Parameter
- Trigger
- Value
- Reading Duration



Adding an Alert

Subscribers can create or add alerts simply by clicking on the **Add Alert** button. The following screen will open up, and the subscriber needs to describe the details of the alert.



The various fields of the add alert page are described below:

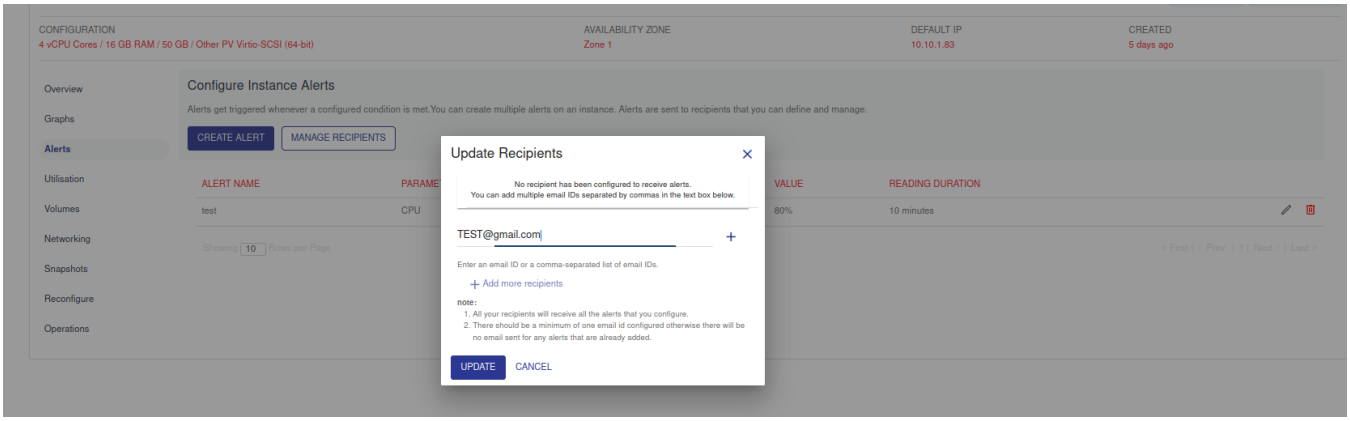
- **Name** - You can define the name for your alert.
- **Choose parameter** - This option allows you to define what parameter needs to be monitored to trigger the alert email. Apiculus Cloud supports CPU, RAM, Disk, 1-min Load Average, 5-min Load Average, 15-min Load Average parameters.
- **Trigger when** - This set of options lets you define whether to trigger above or below a custom value.

- **Value** - You can define the Value.
- **Reading duration** - This option lets you define the breach window, i.e., the duration for which the breach has to be consistent to trigger the alert email.
- **Send email to** - Email ids can be added here, or also you can add them by using the configure recipients.
- **1-min Load Average** - How many processes were active, executed, or awaiting execution at the last minute.
- **5-min Load Average** - How many processes were active, executed, or awaiting execution in the last five minutes.
- **15-min Load Average** - How many processes were active, executed, or awaiting execution in the last fifteen minutes.

Configuring Recipients

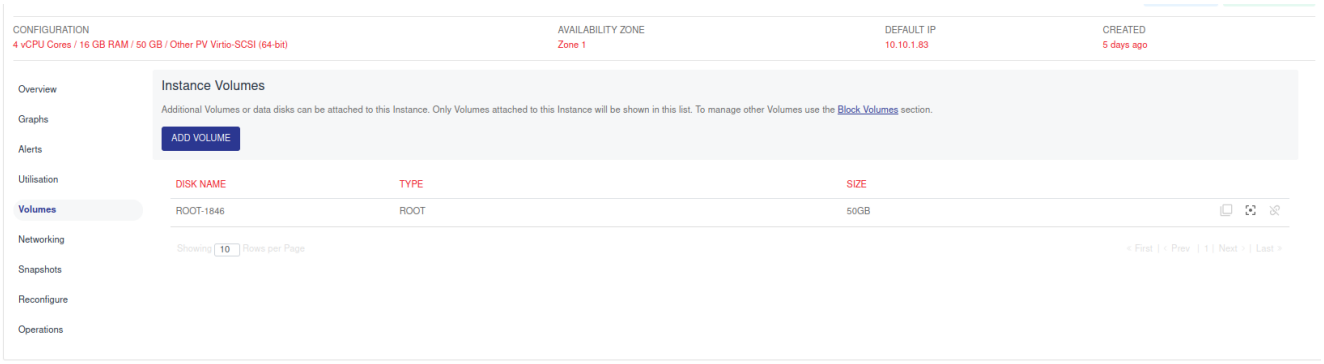
This will list and display all the email IDs already configured for the alerts. You can delete the existing ids and add other email ids by following these steps:

1. Click on the **Configure Recipients** button.
2. Click on **+ Add More Recipients** button.
3. Add the email ids; multiple ids can be added and separated by (,).
4. Click the **+** icon.
5. Then click **Update**, and update the recipient's list.



7. Volume Management with Windows Instances

To view the disks attached to this instance, navigate to Windows Instances Screen, select a Windows Instance, and access the **Volumes** tab. Windows Instances on Danfe work with the Block Volumes Service and let you carry out basic disk operations.

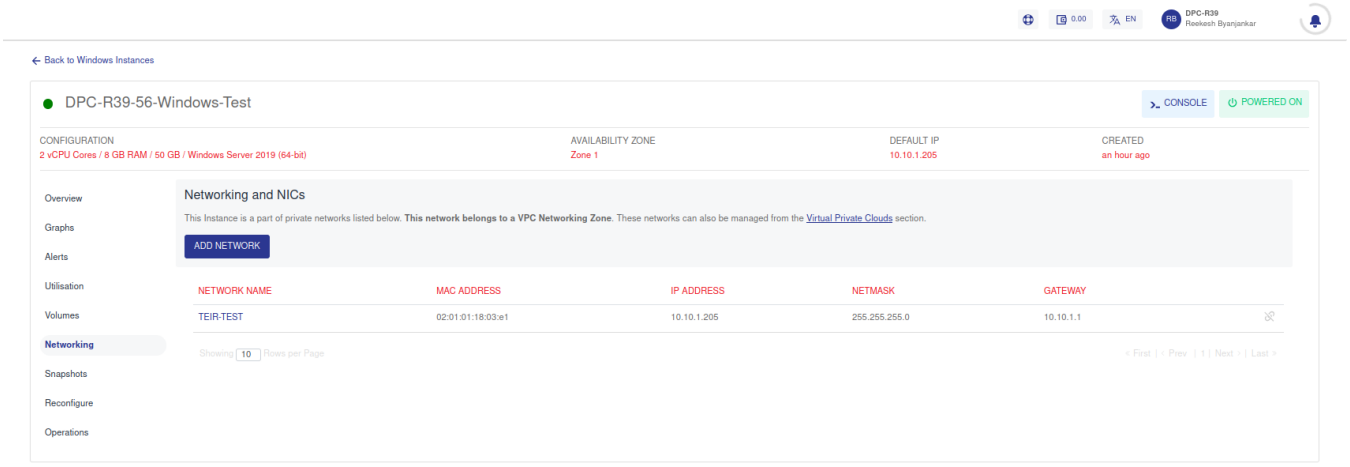


The following quick actions are available:

- **Create Template** - Click on it, and enter the image name and description.
- **Create Snapshot** - To create a Volume snapshot.
- **Detach/attach** - To attach/detach the volume to/from the instance.

8. Networking Management on Windows Instances

To view the networks that a particular Instance is attached to, navigate to the Windows Instances Screen, select a Windows Instance, and access the **Netw orking** tab.



The following actions are available:

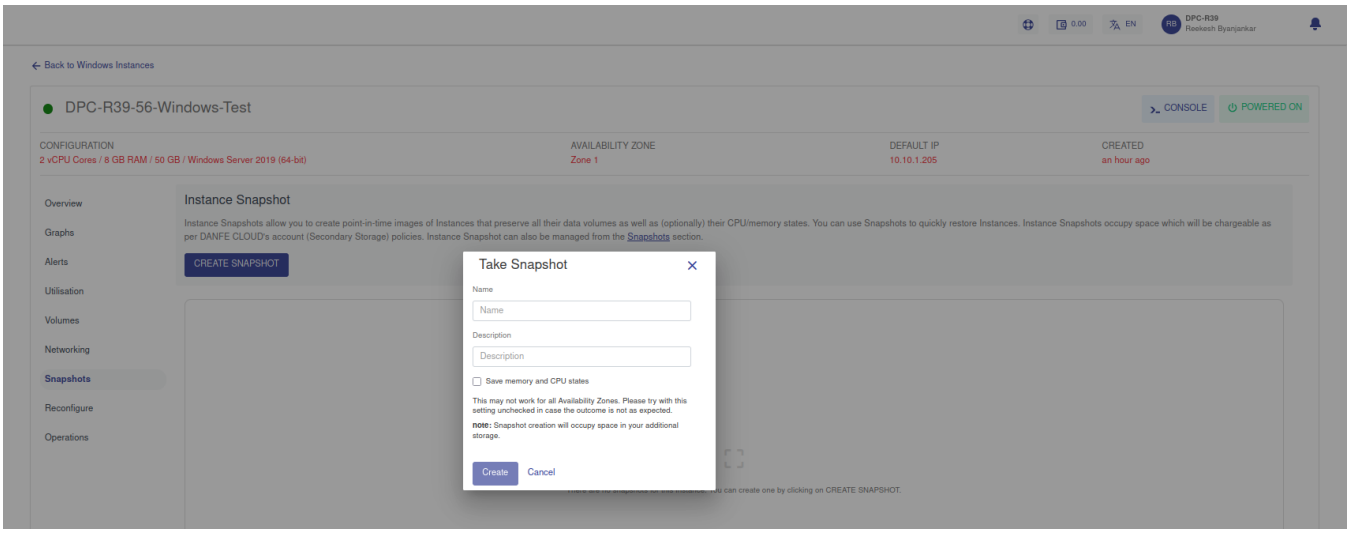
- If the Instance is inside a VPC, you can associate it with multiple tiers within the VPC or share it with other VPC networks in the same Availability Zone by using the **ADD NETWORK** option.
- Network/tier associations can be removed from this section by using the unlink action.

9. Working with Windows Instance Snapshots

To view all the snapshots taken for the Instance, navigate to Windows Instances Screen, select a Windows Instance, and access the **Snapshots** tab.

Instance Snapshots allow you to create point-in-time images of Instances that preserve all their data volume and (optionally) CPU/memory states. You can use Snapshots to restore Instances quickly.

The Snapshots section shows all Windows Instances snapshots, which can be used to revert the Windows Instances to an earlier state.

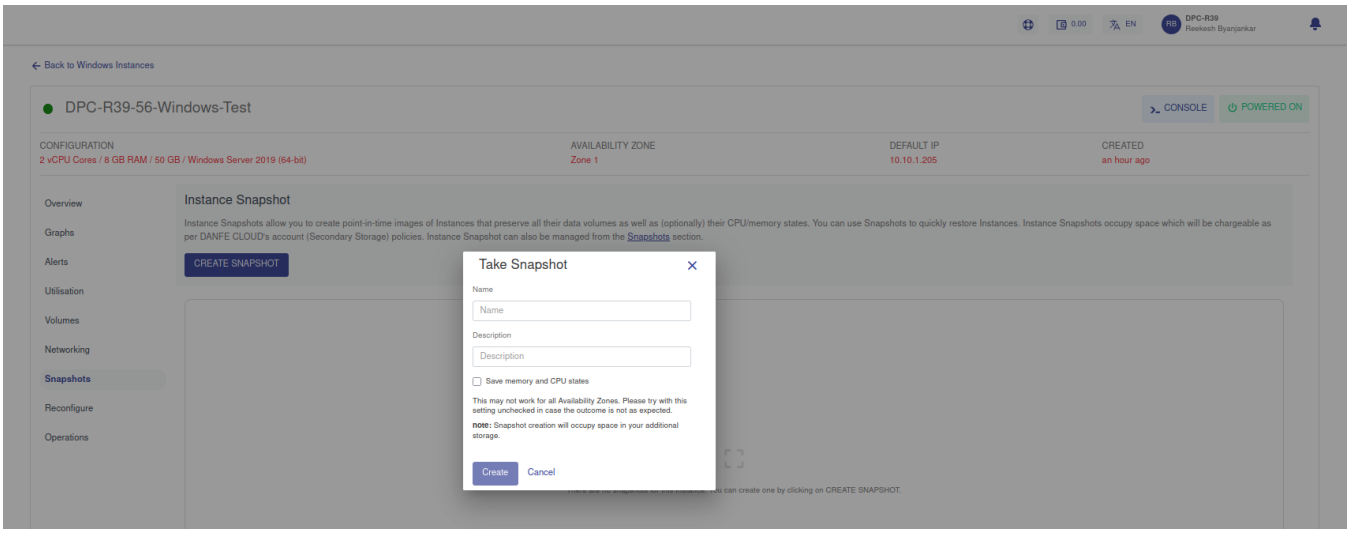


Snapshot shows the following details:

- Snapshot Name
- Description
- Internal Name
- Type
- Created On

Two quick options are available, one is to revert the Instance from the snapshot, and the other is to delete the particular snapshot.

- Click the **CREATE SNAPSHOT** button.
- Specify the name and the description of the snapshot.
- To create a Snapshot, click **Create**. To cancel this action, click **Cancel**.

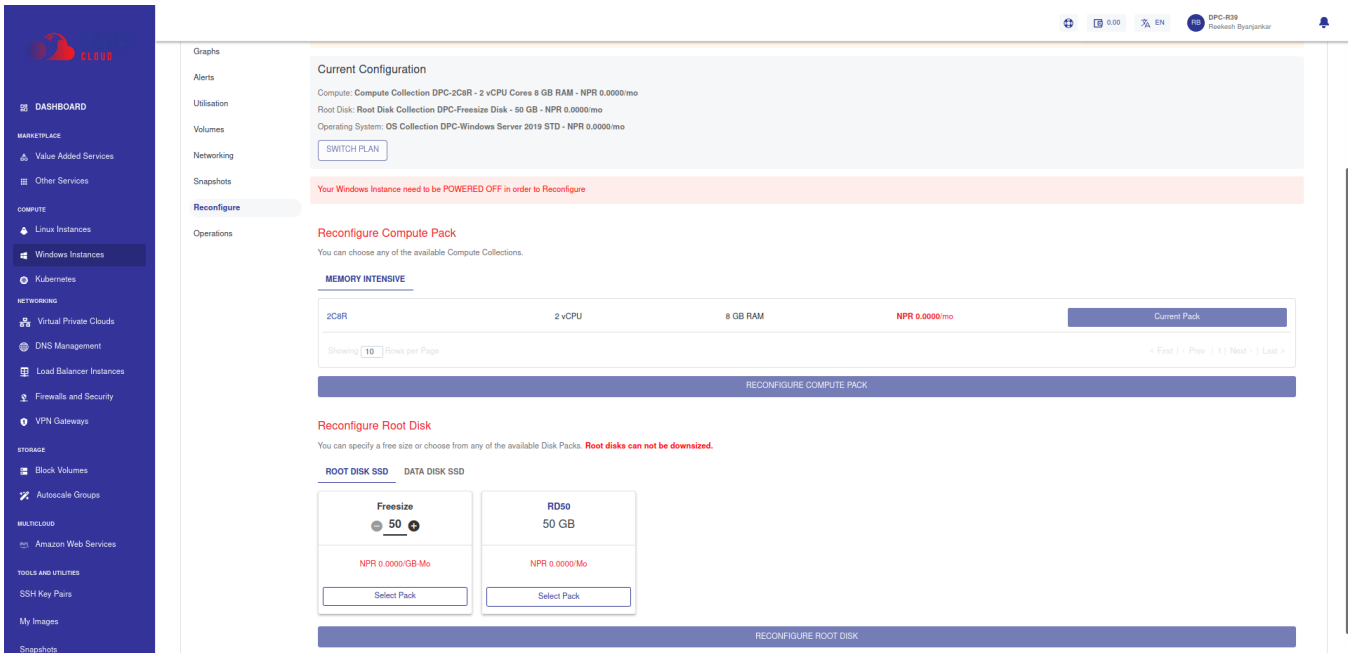

0.00
EN
DPC-R39
Reekesh Byanjankar
Back to Windows Instances
DPC-R39-56-Windows-Test
CONSOLE
POWERED ON
CONFIGURATION
2 vCPU Cores / 8 GB RAM / 50 GB / Windows Server 2019 (64-bit)
AVAILABILITY ZONE
Zone 1
DEFAULT IP
10.10.1.205
CREATED
an hour ago
Overview
Graphs
Alerts
Utilisation
Volumes
Networking
Snapshots
Reconfigure
Operations
Instance Snapshot
Instance Snapshots allow you to create point-in-time images of Instances that preserve all their data volumes as well as (optionally) their CPU/memory states. You can use Snapshots to quickly restore Instances. Instance Snapshots occupy space which will be chargeable as per DANFE CLOUD's account (Secondary Storage) policies. Instance Snapshot can also be managed from the Snapshots section.
CREATE SNAPSHOT
Take Snapshot
Name
Name
Description
Description
Save memory and CPU states
This may not work for all Availability Zones. Please try with this setting unchecked in case the outcome is not as expected.
note: Snapshot creation will occupy space in your additional storage.
Create
Cancel

10. Reconfiguring Windows Instances

To view available reconfiguration options, navigate to Operating Windows Instances, select a Windows Instance, and access the **Reconfigure** tab.

A Windows Instance on Danfe Cloud can be reconfigured in the following ways:

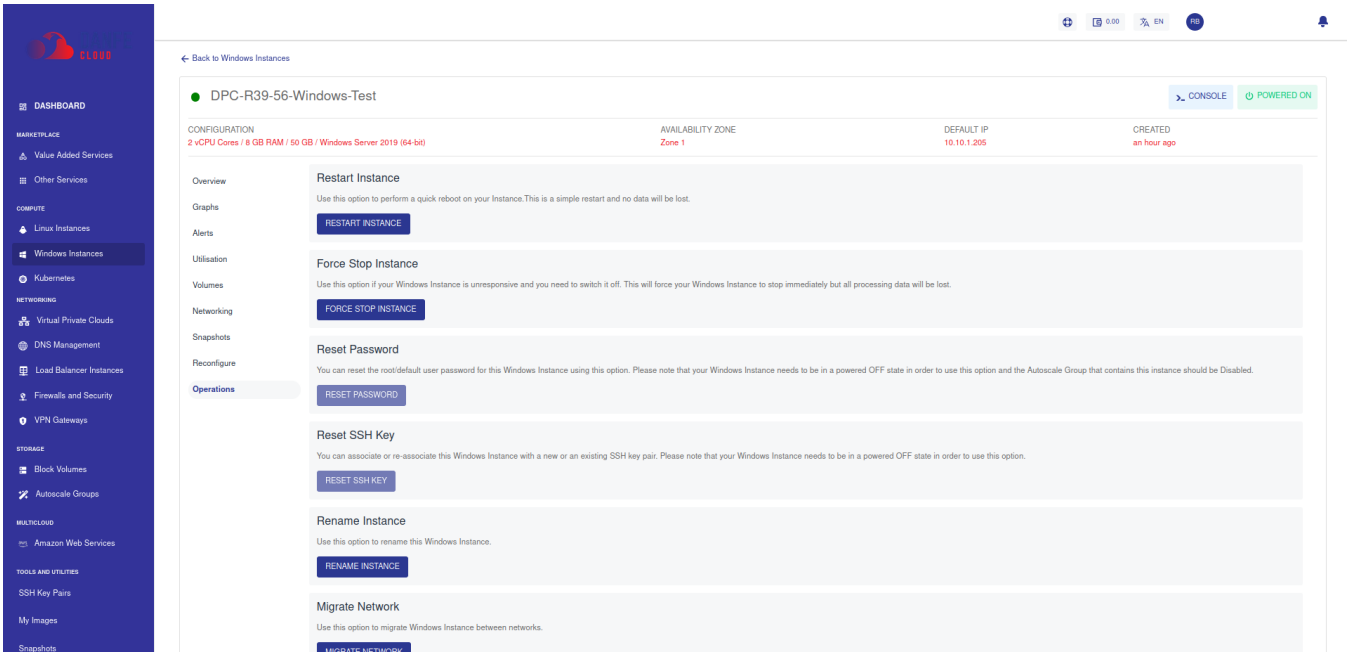
- The Billing interval changed between monthly and hourly.
- Choosing and applying a new Compute pack.
- Choosing and applying a new Root Disk pack.

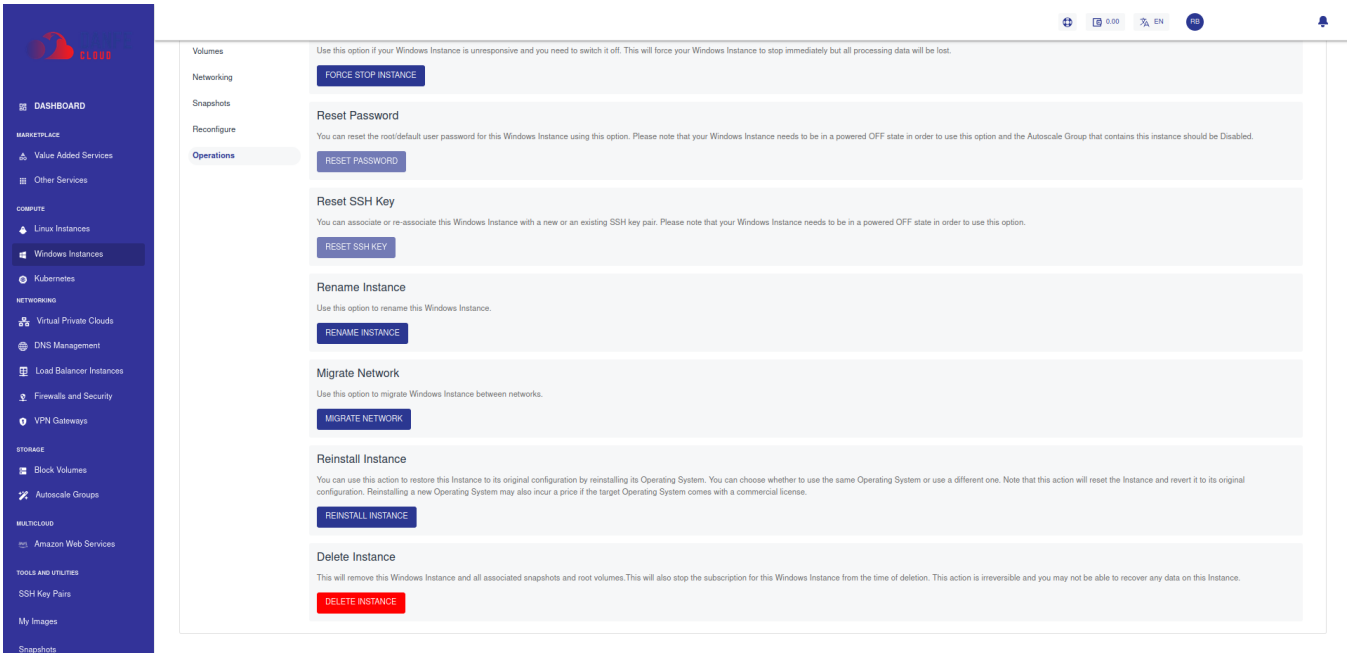


> **NOTE: You can only reconfigure with the same billing interval. To change the billing interval, use the Switch Plan button. It is recommended to switch the plan before reconfiguring the Instance if you wish to use both the Reconfigure and Switch Plan options. You will be charged as per the pack you have reconfigured, not based on the older pack.**

11. Windows Instance Operations

To view all available Instance operations, navigate to the Windows Instances Screen, select a Windows Instance, and access the **Operations** tab.





Danfe Cloud Console provides the options to perform common operations on Windows Instances.

- **Restart Instance** - use this option to perform a quick reboot on your Instance. This is a simple restart, and no data will be lost.
- **Force Stop Instance**- to force stop a running or a hung Windows Instance.
- **Reset Password**- to reset the Windows Instance root user password. This requires the Linux Instance to be powered off.
- **Rename Instance** - to rename the Windows Instance.
- **Migrate Instance** - to migrate Windows Instance between VPC networks within the same Availability Zone.

- **Reinstall Instance** - to restore this Instance to its original configuration by reinstalling its Operating System or choosing a new one. Selecting a priced Operating System image may incur additional charges.
- **Delete Instance** - to delete the Windows Instance.

NOTE: Deleting a Windows instance will remove it entirely along with its subscription and is a non-reversible action.