

This comprehensive user manual for Skylus provides users with step-by-step instructions and visuals to effectively operate and manage Skylus components. The guide is designed to assist users in navigating through various configurations, optimizations, and operations within the Skylus system.

Skylus User Manual Guide

v_0.2

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Netweb[®]
TECHNOLOGIES

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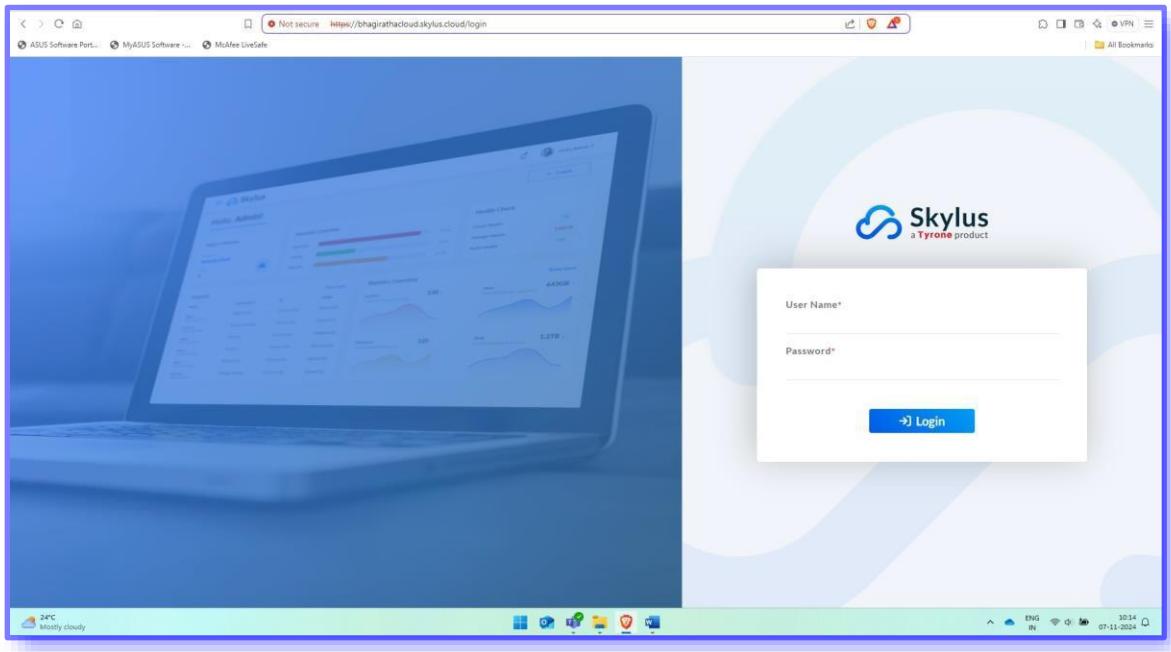
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Skylus User Manual Guide

Login Page

Skylus Login Screen - User Manual Guide

Overview: The Skylus login interface is the entry point for users to access the Skylus platform, a cloud management solution by Tyrone. This screen provides secure access to Skylus's dashboard, allowing users to monitor system health, cloud metrics, storage, and other essential data.



Login Page

Guide to Using the Skylus Login Screen:

1. Access the Login Page:

- Open your web browser and go to the URL:
<https://bhagirathcloud.skylus.cloud/login>
- Ensure that you have a stable internet connection.

2. Security Notice:

- If you see a "Not Secure" warning on the browser address bar, verify with your IT administrator to confirm the site's security, especially if handling sensitive data.
- Use a VPN if advised by your organization for added security.

3. Login Fields:

- **Username:** Enter your assigned Skylus username. This is typically provided by your organization or IT team.
- **Password:** Enter your password. Ensure that the password is kept confidential and adheres to any security protocols set by your organization (e.g., complexity, expiration policies).

4. Steps to Log In:

- Fill in both fields (Username and Password).
- Click on the **Login** button (blue button with a right-arrow icon) to submit your credentials.

5. Login Troubleshooting:

- If you experience login issues:
 - **Check Username and Password:** Ensure both fields are filled correctly and check for case sensitivity.
 - **Forgotten Password:** Contact your system administrator for a password reset if available.

6. Account Locked:

After multiple unsuccessful attempts, your account may be locked.
Reach out to the support team for assistance.

7. Post-Login Interface (Dashboard Overview):

- Once logged in, you will be directed to the Skylus dashboard.
- The dashboard displays various metrics and insights, such as:
 - **System Health Check:** View the current health status of the cloud and node systems.
 - **Resource Utilization Charts:** Monitor CPU, memory, and disk usage with graphical charts.
 - **Analytics Overview:** A quick summary of performance analytics, showing active resources and trends.
- This initial overview gives a snapshot of critical system data to help with real-time monitoring and decision-making.

8. Logout Process:

- Always remember to log out after your session, especially on shared or public computers, to maintain data security.
- Locate the **Logout** option, usually available in the top right corner of the dashboard, by clicking on your profile icon.

9. Best Practices:

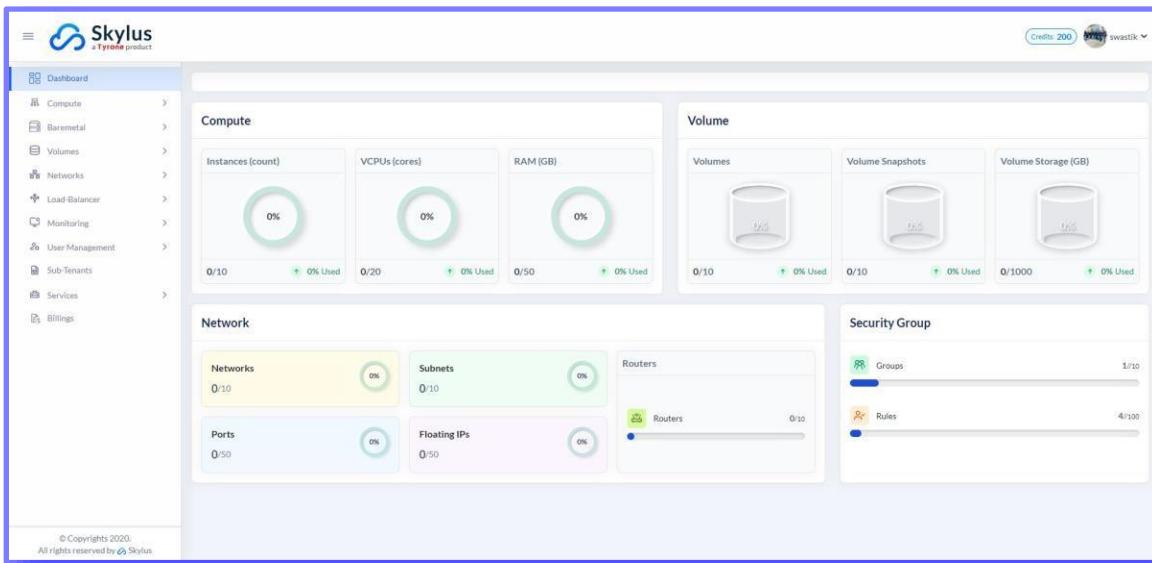
- **Secure Your Credentials:** Avoid sharing your login information with others.
- **Use Strong Passwords:** Follow organization guidelines on creating strong, unique passwords.
- **Periodic Password Change:** Change your password regularly for enhanced security.
- **Two-Factor Authentication (2FA):** If Skylus supports it, enable 2FA for an additional layer of security.

10. Support and Help:

- For any technical issues, reach out to the Skylus support team or your organization's IT department.
- Refer to Skylus's help documentation or user guide for further assistance.

Dashboard

Overview: The Skylus dashboard is a central hub for monitoring and managing cloud resources, including compute instances, storage volumes, network configurations, and security settings. It provides real-time insights into resource usage, health checks, and system status, allowing users to optimize and control their cloud infrastructure effectively.



Home Page/Dashboard Page

Main Dashboard Components:

1. Navigation Panel (Left Sidebar):

- **Dashboard:** Overview of resource usage, network settings, and security groups.
- **Compute:** Manage instances, virtual CPUs (vCPUs), and RAM allocation.
- **Baremetal:** Configure and monitor bare metal resources, if applicable.
- **Volumes:** Manage storage volumes, snapshots, and allocated storage space.
- **Networks:** Configure network settings such as subnets, ports, and floating IPs.
- **Load-Balancer:** Set up and manage load balancers to distribute traffic efficiently.
- **Monitoring:** Access monitoring tools for real-time tracking of system performance.
- **User Management:** Add, remove, or modify user permissions and roles.
- **Sub-Tenants:** Manage tenants or sub-groups within the organization's cloud setup.
- **Services:** Access and manage additional services integrated with Skylus.
- **Billings:** Track usage-based billing and monitor expenses.

2. Compute Section (Top Center):

- **Instances (count):** Shows the current count of virtual instances. The display indicates the total number allowed and the percentage of used resources.
- **vCPUs (cores):** Displays the allocation and usage of virtual CPU cores.
- **RAM (GB):** Provides real-time monitoring of RAM allocation and utilization.

3. Volume Section (Top Right):

- **Volumes:** Shows the total number of storage volumes and percentage used.
- **Volume Snapshots:** Displays the number of snapshots created and their usage.
- **Volume Storage (GB):** Indicates total allocated storage space and usage percentage.

4. Network Section (Bottom Left):

- **Networks:** Displays the number of configured networks and usage details.
- **Subnets:** Shows the count of subnets and their respective usage percentage.
- **Ports:** Provides information on the number of ports and their usage.
- **Floating IPs:** Displays allocated floating IPs and their usage.

5. Routers Panel (Bottom Center):

- **Routers:** Manages the number of routers in the network configuration, allowing you to add or configure routers based on requirements.

6. Security Group Section (Bottom Right):

- **Groups:** Shows the number of security groups, which define access and security rules for instances.
- **Rules:** Displays the total rules applied across groups, helping in managing and monitoring security compliance.

Understanding Resource Usage:

- Each section in the dashboard provides a quick summary of resources with a visual indicator showing both usage percentage and the total available.
 - For optimal performance, it's essential to monitor these metrics and manage allocations based on resource requirements.
-

Additional Tips:

1. Credits Information (Top Right):

- Skylus dashboard shows the current credits available to your account. This is typically used for tracking resource-based billing or pay-as-you-go credits.

2. Profile Settings (Top Right):

- The user profile (e.g., "swastik") allows access to account settings, where you can adjust preferences or log out.

3. System Status:

- Regularly check the usage statistics for each resource type. This helps in scaling up or down resources based on needs and prevents unexpected costs.

4. Security Management:

- Periodically review the security groups and associated rules to ensure that the infrastructure remains secure from unauthorized access.

5. Billing Insights:

- Visit the "Billings" section to stay informed about your current usage and expenses, which helps in budget management for cloud resources.

Profile

Skylus Profile and Account Management - User Manual Guide

Overview: The profile and account management feature in Skylus allows users to view their current credits, switch between tenant accounts, change passwords, and log out securely. This section provides quick access to personal and account-related settings, improving user experience and security.



Profile

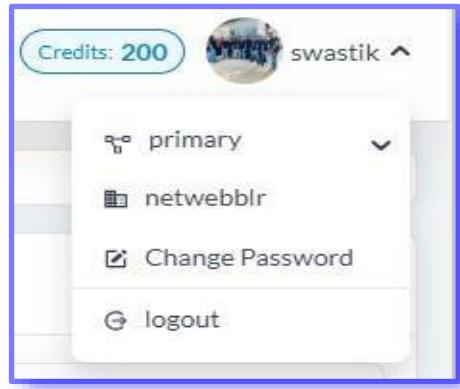
Guide to Using Profile and Account Management:

1. Accessing the Profile Menu:

- In the top-right corner of the Skylus interface, click on your profile icon or username (e.g., "swastik").

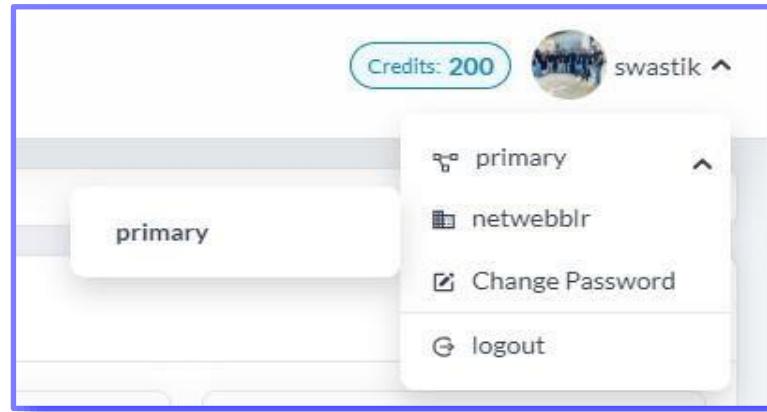
- This opens a dropdown menu with options for managing your account.

2. Profile Menu Options:



Profile

- **Primary:** This shows the main tenant or group you are associated with. Clicking on this option displays the default account settings and configurations.



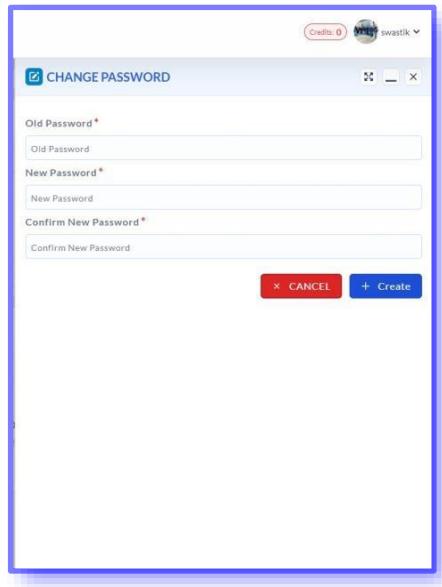
Profile Primary

- **netwebblr:** This is an example of an additional tenant account. If you have multiple tenant accounts, you can switch between them by selecting the respective option from this list.
- **Change Password:** Allows you to update your password for better security.
- **Logout:** Logs you out of the Skylus platform, ensuring the safety of your account information.

Credits Information:

- Your available credits are displayed in a blue box next to your profile icon. This shows the current balance of credits (e.g., 200) associated with your account.
- **Credits** are typically used to manage or allocate resources, and it's essential to monitor them for usage-based billing or budget tracking.

3. Changing Your Password:



Profile click change password

- Select **Change Password** from the profile dropdown menu to access the password update screen.
- The password change form requires the following:
 - **Old Password:** Enter your current password for verification.
 - **New Password:** Choose a new, secure password.
 - **Confirm New Password:** Re-enter the new password to confirm accuracy.
- After filling in all fields, click on the **Create** button (blue) to save the new password.
- To cancel the action, click on the **Cancel** button (red).
- Note: Ensure your new password meets the security guidelines set by your organization (e.g., a mix of uppercase, lowercase, numbers, and special characters).

4. Switching Between Tenants:

- If you have access to multiple tenants (e.g., **primary** and **netwebblr**), you can switch by selecting the desired tenant from the dropdown.
- This allows you to manage different resources or environments within Skylus, providing flexibility for users with multiple responsibilities or roles.

5. Logging Out:

- To securely log out of Skylus, click the **Logout** option from the profile menu.
- Logging out after your session is essential, especially if using a shared or public computer, to prevent unauthorized access to your account.

Best Practices for Account Management:

- **Regularly Update Your Password:** For added security, change your password periodically and avoid reusing old passwords.
- **Monitor Credit Usage:** Regularly check your credit balance to ensure that you stay within your allocated budget.
- **Secure Tenant Access:** If managing multiple tenants, be cautious when switching between accounts to avoid any accidental modifications to the wrong environment.
- **Logout When Not in Use:** Always log out of Skylus when finished to secure your account.

Instances

1. Navigating to Instances Section

Access the Instances section from the main Skylus dashboard under 'Compute.' This section provides options to manage virtual machines (VMs), including creating, configuring, and deleting instances.

Instances Section Overview

2. Creating a New Instance

Step 1: Click on Action in the Instances section, then select Create Instance.:

Action Menu with Create Instance Option

Step 2: In the Create Instance dialog box, fill out the necessary details:

- Instance Name: Enter a unique name for the instance.

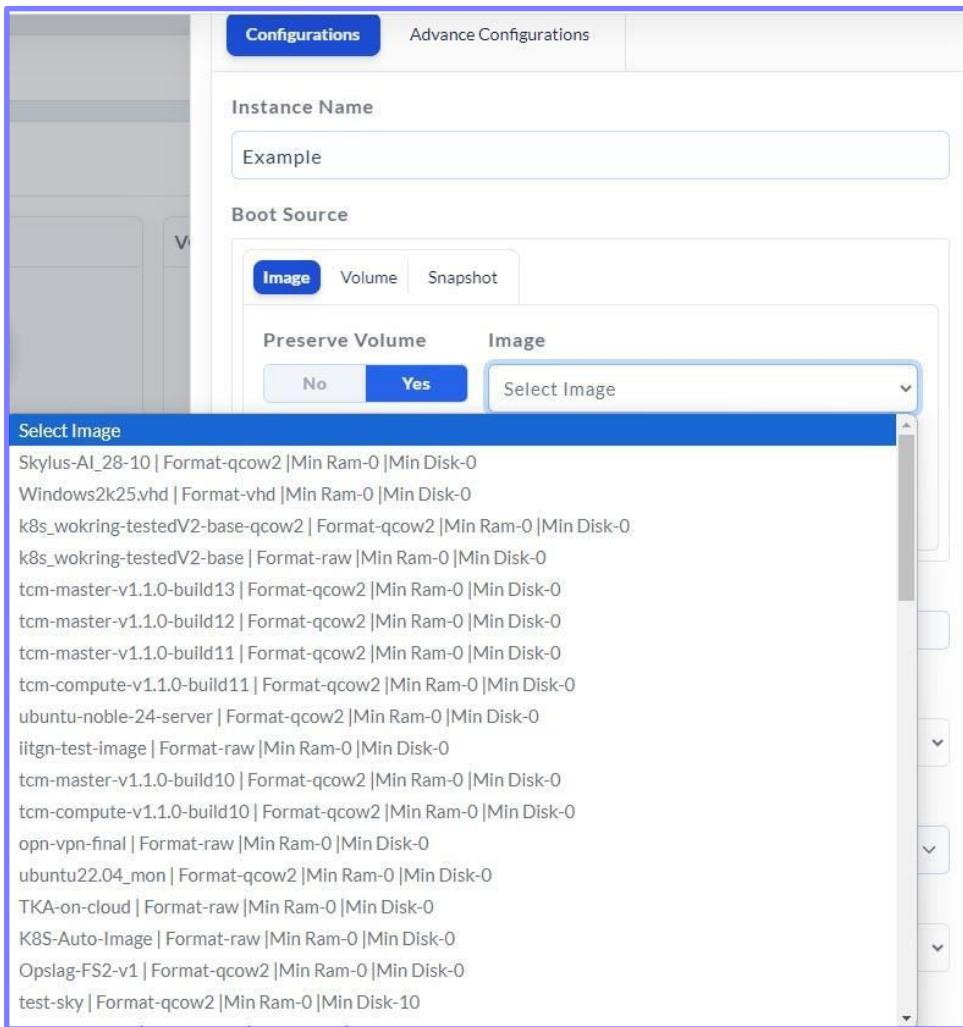
Setting the Instance Name

The screenshot shows a configuration interface for setting an instance name. A blue box highlights the 'Instance Name' section, which contains a text input field with the placeholder 'Example'.

- Boot Source: Choose from Image, Volume, or Snapshot as the source for booting the instance. Each option provides further configuration:

- Select an image to create the instance. Boot

Source - Image Selection



Boot_Source_Image.jpg

- Volume: Choose a volume to use as the boot source.

Boot Source - Volume Selection

Configurations Advance Configurations

Instance Name
Example

Boot Source

Image **Volume** Snapshot

Preserve Volume Volume

No Yes

Select Volume

Select Volume

Instance Count
1

Network Resource

Networks

Networks

Select Networks

Keypair

Select Keypair

Machine Type

Select Machine Type

Description

Boot_Source_Volume_Seclect Volume

- Snapshot: Select a snapshot to restore as the instance.

Boot Source - Snapshot Selection

Configurations Advance Configurations

Instance Name
Example

Boot Source

Image Volume **Snapshot**

Preserve Volume Snapshot

No Yes Select Snapshot

Select Snapshot

Instance Count
1

Network Resource

Networks

Networks
Select Networks

Keypair
Select Keypair

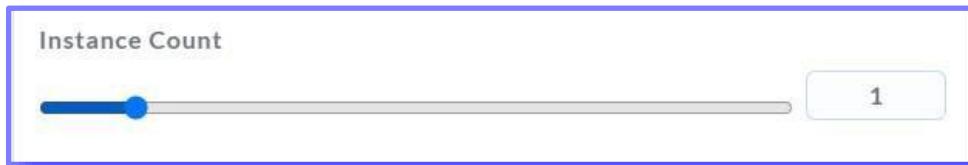
Machine Type
Select Machine Type

Description

Source_Boot_Snapshot_Select_Snapshot

- Instance Count: Use the slider to specify the number of instances to create.

Setting the Instance Count



- Network Resource: Choose between Networks or Ports.

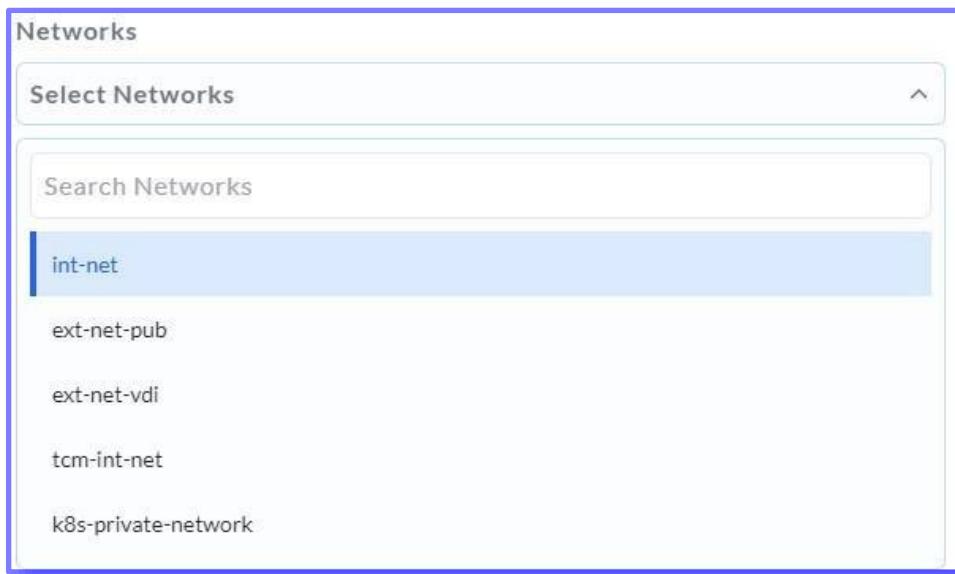


Selecting Network Resource Type

Network_Resource

- Networks: Select a network for the instance.

Selecting a Network



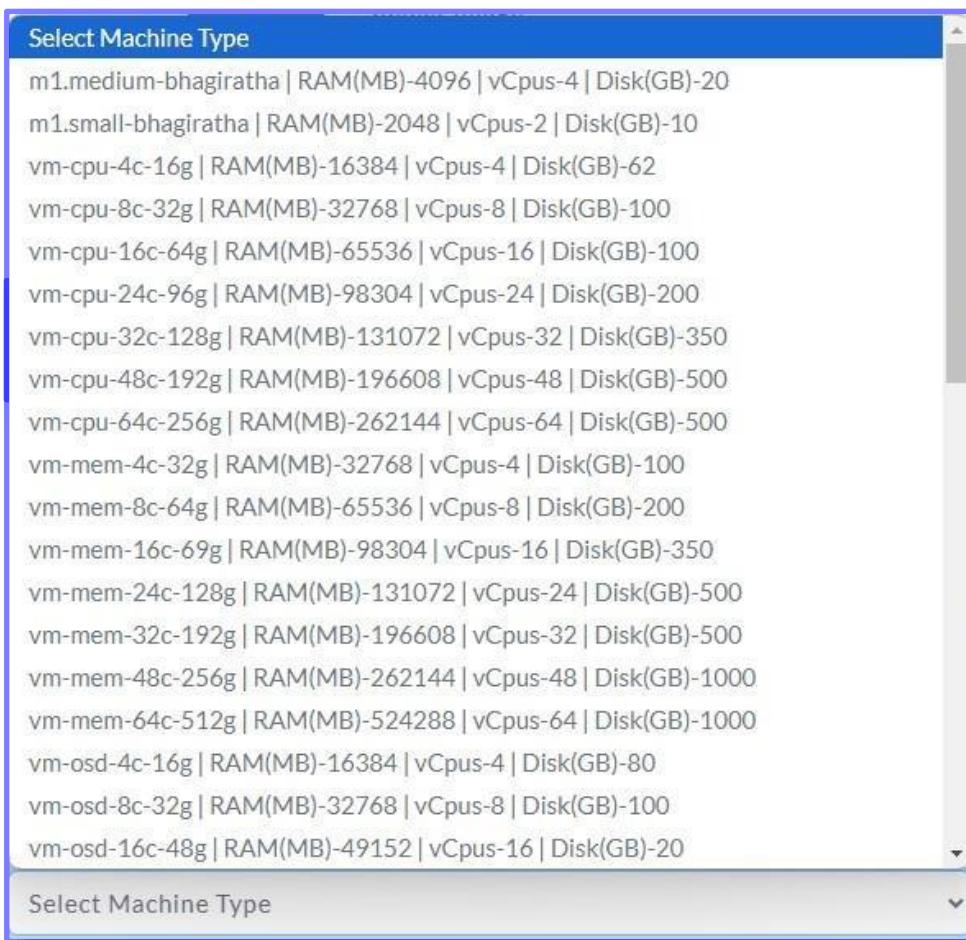
- Keypair: Choose a keypair for SSH access to the instance.

Keypair Selection



- Machine Type: Select the appropriate machine type based on CPU, memory, and disk requirements.

Selecting Machine Type



3. Advanced Configurations

- Sub-Tenant: Specify the sub-tenant for organizational grouping.

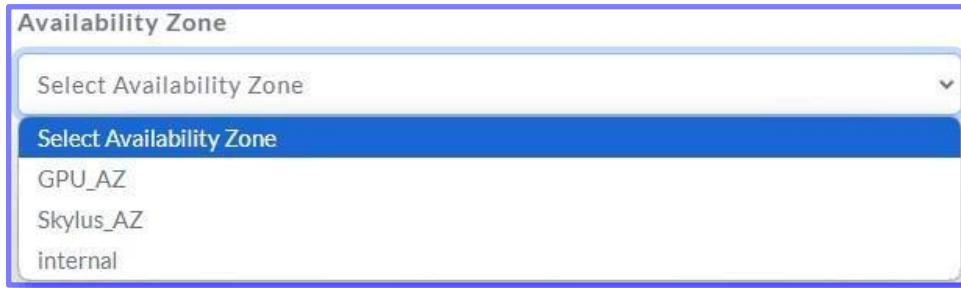
Selecting Sub-Tenant



Sub-Tenant

- Availability Zone: Choose the desired availability zone for instance deployment.

Selecting Availability Zone



- Security Groups: Assign security groups to manage firewall rules.

Selecting Security Groups



- Load Customization Script: Optionally, upload a customization script file to configure the instance on launch.

Uploading Customization Script

+ CREATE INSTANCE

Configurations Advance Configurations

Sub-Tenant
primary

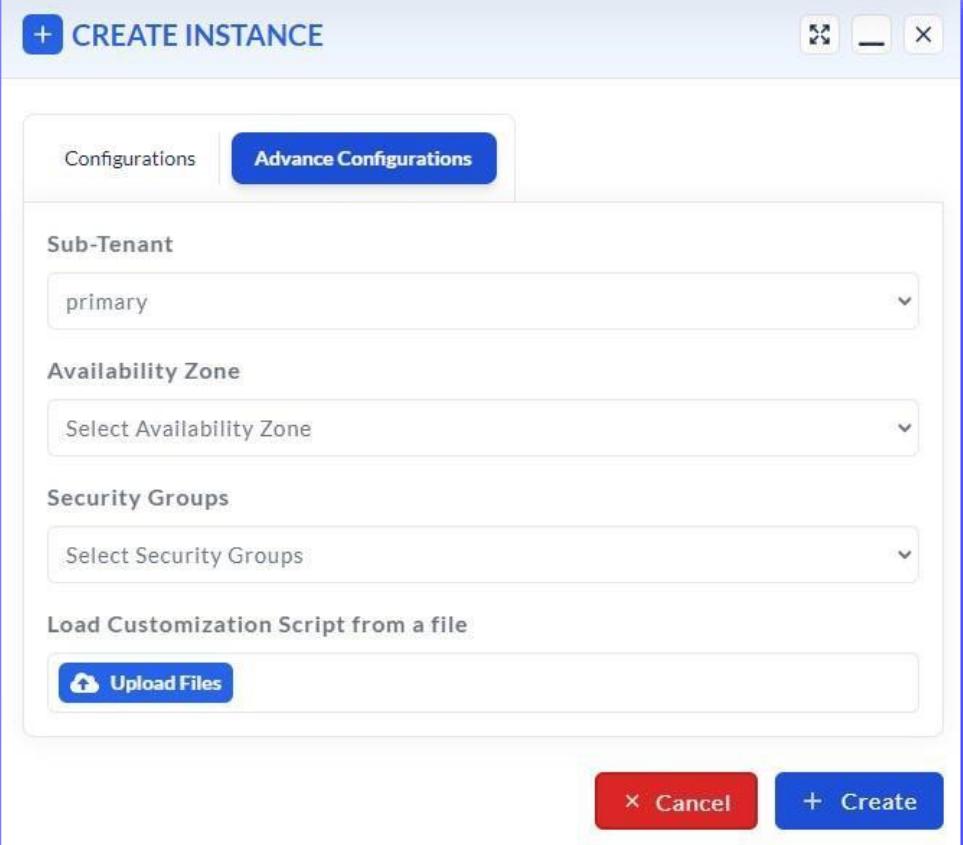
Availability Zone
Select Availability Zone

Security Groups
Select Security Groups

Load Customization Script from a file

Upload Files

X Cancel + Create



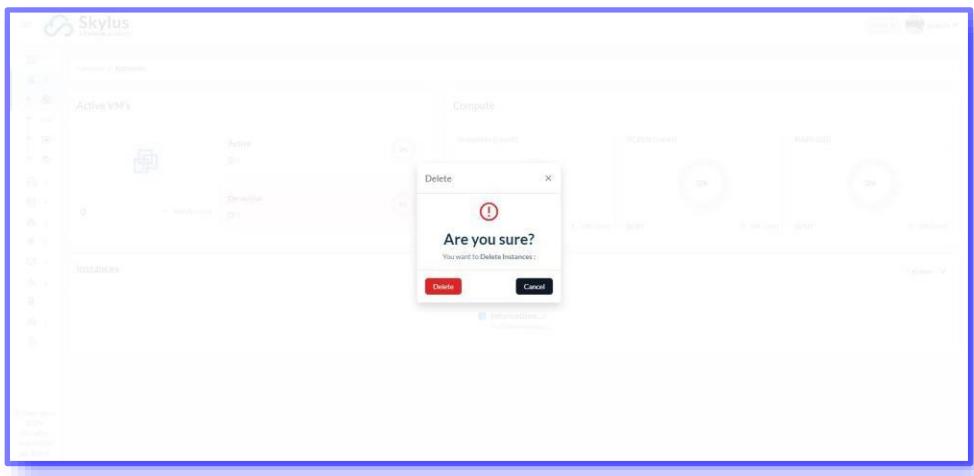
Advance_Configurations

4. Deleting an Instance

Step 1: In the Instances section, click Action next to the target instance and select Delete.

Step 2: Confirm the deletion by clicking Delete in the confirmation dialog box.

Delete Instance Confirmation Dialog



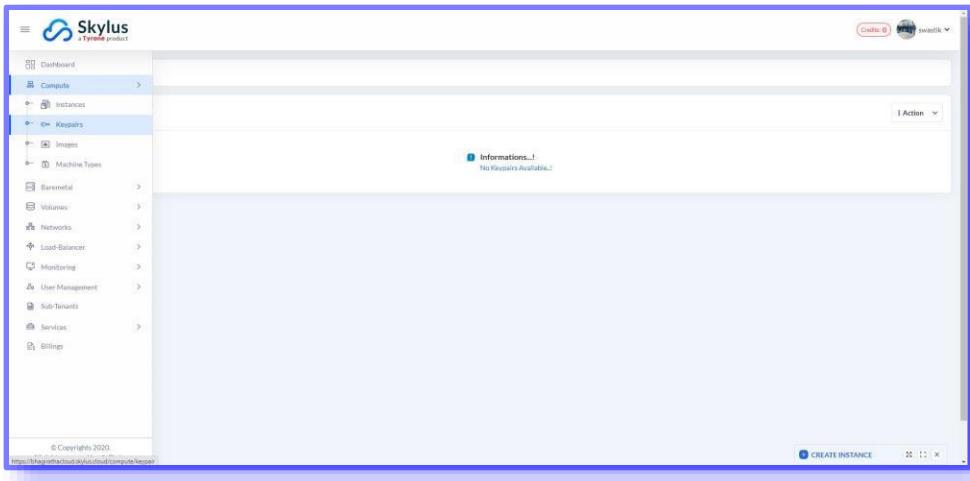
Delete_Instance

Keypairs

1. Navigating to Keypairs Section

Access the Keypairs section from the main Skylus dashboard under 'Compute.' This section allows you to upload, create, and manage SSH keypairs for accessing virtual machines.

Keypairs Section Overview



Keypairs

2. Adding a New Public Key

Step 1: Click on Action in the Keypairs section, then select Add Existing SSH Key (Public).

Action Menu with Add Public Key Option



Keypairs_Action

Step 2: In the Add Public Key dialog box, enter the Name and paste the Public Key. Add Public Key Dialog



Add_public_key

3. Creating a New Keypair

Step 1: Click on Action in the Keypairs section, then select Create Keypair.

Action Menu with Create Keypair Option



Keypairs_Action

Step 2: In the Create Keypair dialog box, enter a Name for the keypair.

Create Keypair Dialog



Create_keypair

4. Uploading a Keypair

Step 1: Click on Action in the Keypairs section, then select Upload Keypair.

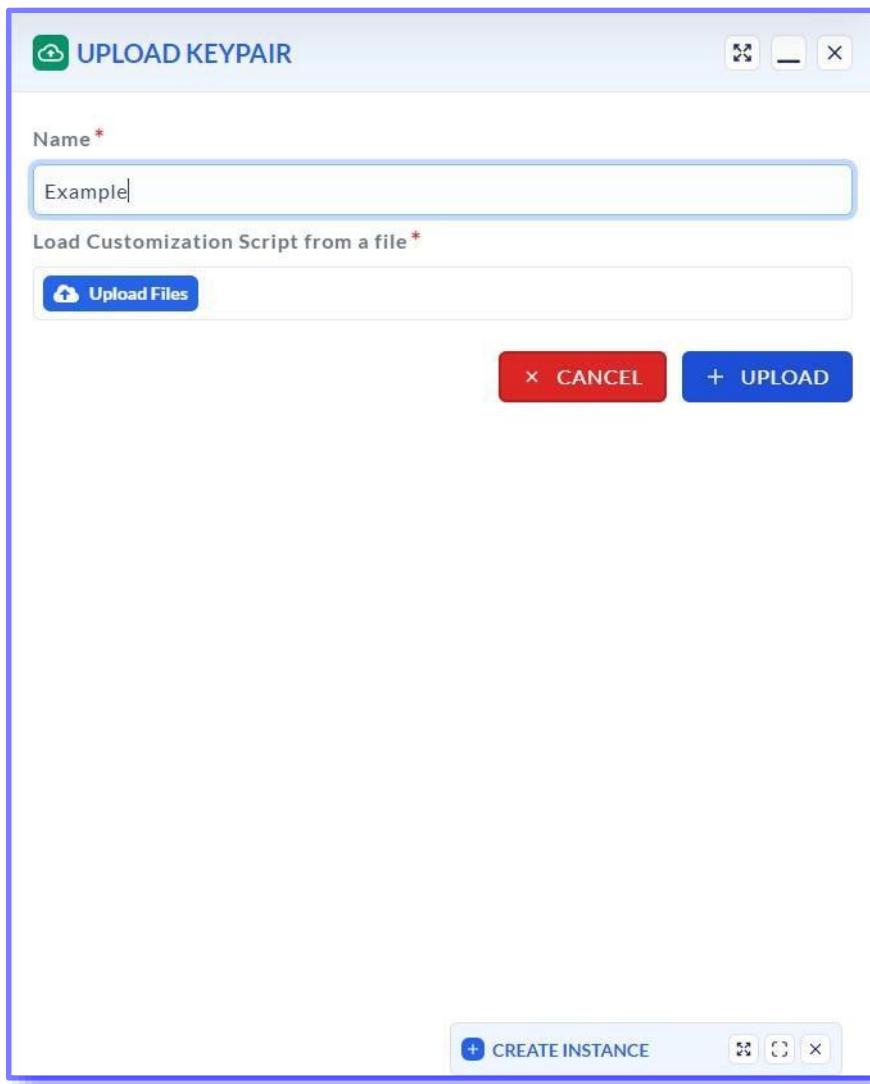
Action Menu with Upload Keypair Option



Keypairs_Action

Step 2: In the Upload Keypair dialog box, enter the Name and upload the public key file.

Upload Keypair Dialog



Upload_keypair

5. Deleting Keypairs

Step 1: In the Keypairs section, select the keypair you wish to delete, click on Action, and choose Delete Keypairs.

Figure 8: Delete Keypair Confirmation



Delete_keypairs

Images

1. Navigating to Images Section

Access the Images section from the main Skylus dashboard under 'Compute.' This section provides options to manage disk images, including creating, uploading, and deleting images.

Images Section Overview

Disk Format	Status	Visibility	Min Disk	Min Ram	size	Action
ocow2	ACTIVE	Public	0 GB	0 MB	2.0 GB	
vhd	ACTIVE	Private	0 GB	0 MB	2.2560 GB	
ocow2	ACTIVE	Share	0 GB	0 MB	1.0 GB	

2. Uploading a New Image

Step 1: Click on Action in the Images section, then select Create Image.

Action Menu with Create Image Option

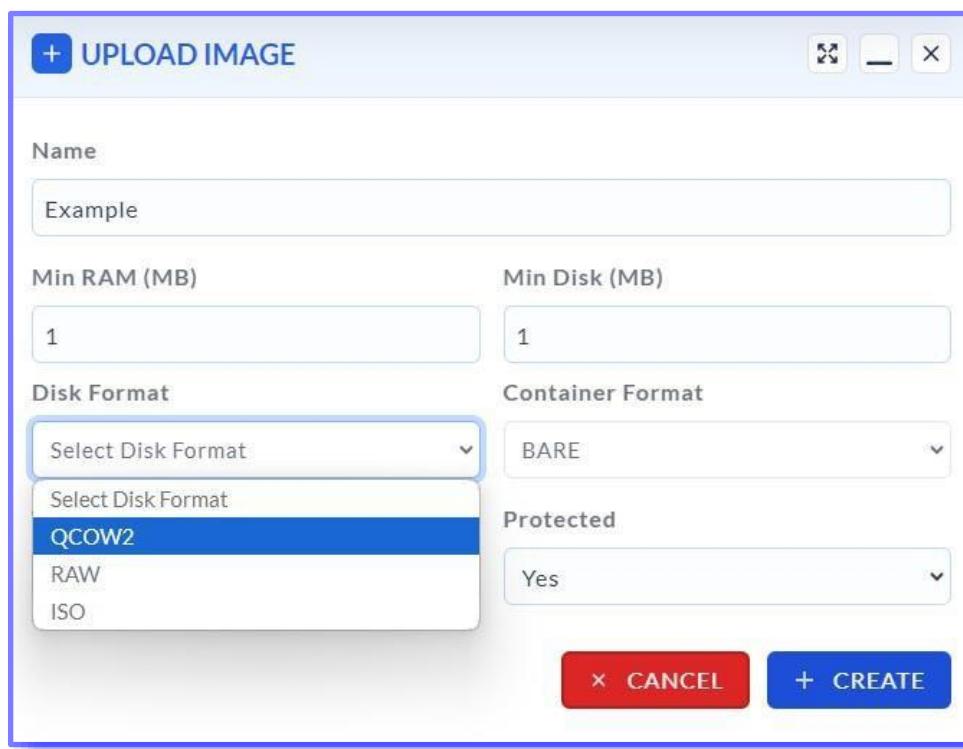
Name	Disk Format	Status	Visibility	Min Disk	Min Ram	size	Action
Skylus-AL-28-10	ocow2	ACTIVE	Public	0 GB	0 MB	2.0 GB	
Windows2k23uhd	vhd	ACTIVE	Public	0 GB	0 MB	2.2560 GB	
kbs_working-testedV2-base-ocow2	ocow2	ACTIVE	Private	0 GB	0 MB	1.0 GB	
kbs_working-testedV2-base	raw	ACTIVE	Private	0 GB	0 MB	42949672960 Byte	
tom-master-v1.1.0-build13	ocow2	ACTIVE	Public	0 GB	0 MB	1.0 GB	
tom-master-v1.1.0-build12	ocow2	ACTIVE	Public	0 GB	0 MB	1.0 GB	
tom-master-v1.1.0-build11	ocow2	ACTIVE	Public	0 GB	0 MB	1.0 GB	
tom-compute-v1.1.0-build11	ocow2	ACTIVE	Public	0 GB	0 MB	1.0 GB	

Images_Action_click

Step 2: In the Upload Image dialog box, enter the following details:

- Name: Enter a name for the image.
- Min RAM (MB) and Min Disk (MB): Specify minimum requirements for RAM and Disk space.

Upload Image Dialog - Disk Format Selection

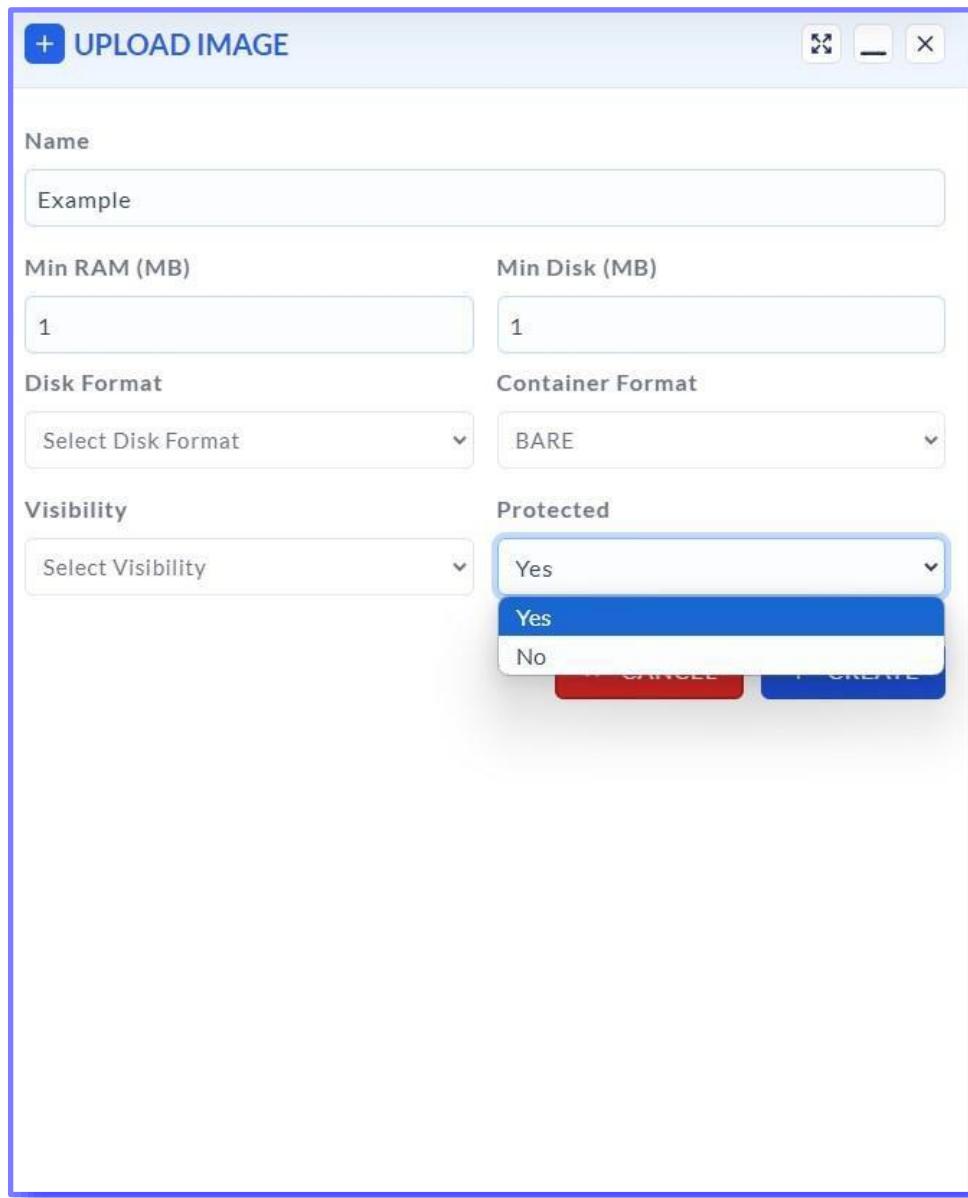


Images_Action_click_upload_image_disk_format

Step 3: Configure the following additional options:

- Protected: Choose Yes or No based on protection requirements.

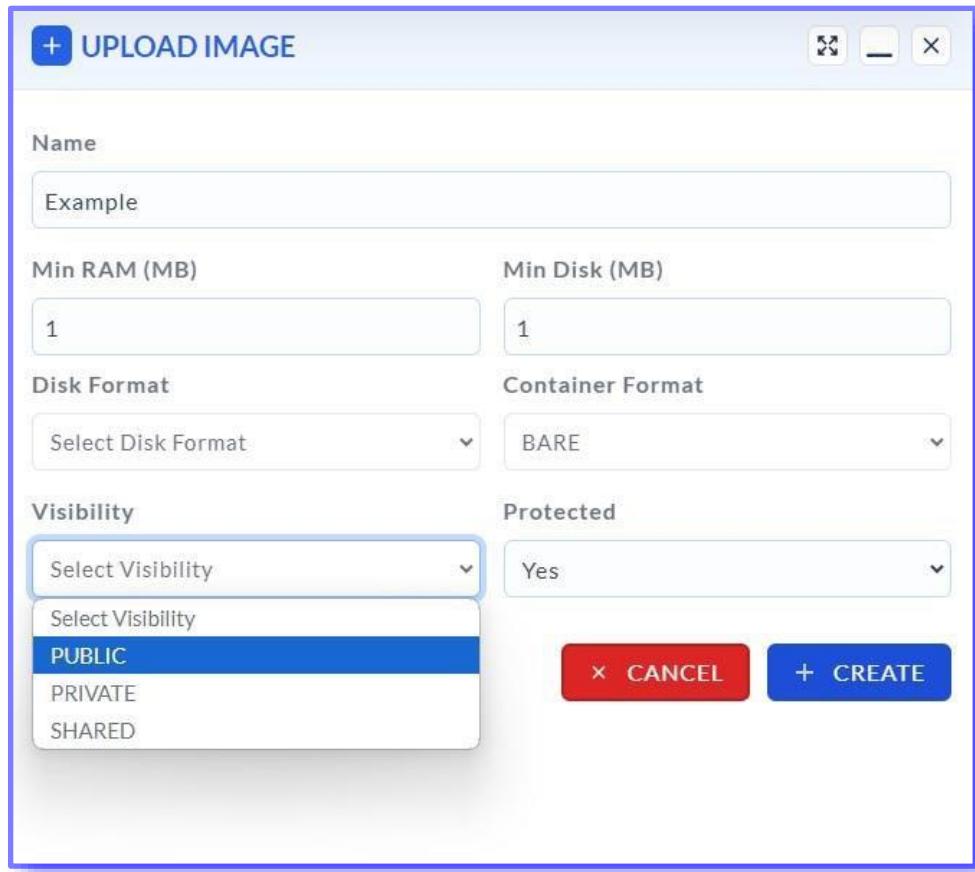
Upload Image Dialog - Protection Option



upload_image_select_protected

- Visibility: Select from Public, Private, or Shared options.

Upload Image Dialog - Visibility Option



upload_image_select_visibility

3. Deleting an Image

Step 1: In the Images section, select the image you wish to delete, click on Action, and choose Delete.

Delete Image Option

Name	Disk Format	Status	Visibility	Min Disk	Min Ram	size	Action
Skylum-AI_28-10	qcow2	ACTIVE	Visible	0 GB	0 MB	2.0 GB	Delete
Windows2k25xhd	vhd	ACTIVE	Visible	0 GB	0 MB	2.2560 GB	Delete
kbs_working-testenv2-base-qcow2	qcow2	ACTIVE	Visible	0 GB	0 MB	1.0 GB	Delete
kbs_working-testenv2-base	raw	ACTIVE	Visible	0 GB	0 MB	42949672960 Byte	Delete
tcm-master-v1.1.0-build13	qcow2	ACTIVE	Visible	0 GB	0 MB	1.0 GB	Delete
tcm-master-v1.1.0-build12	qcow2	ACTIVE	Visible	0 GB	0 MB	1.0 GB	Delete
tcm-master-v1.1.0-build11	qcow2	ACTIVE	Visible	0 GB	0 MB	1.0 GB	Delete
tcm-compute-v1.1.0-build11	qcow2	ACTIVE	Visible	0 GB	0 MB	1.0 GB	Delete

Images_delete

Machine Types

1. Navigating to Machine Types Section

The Machine Types section in Skylus provides an overview of available machine configurations. Each machine type lists specifications like RAM, Disk, vCPU count, and associated pricing. This information assists users in selecting the appropriate machine type based on performance and budget requirements.

Machine Types Overview

Name	Ram	Disk	vCPU	Tag	Pricing (Rs.)
m1.medium-bhagiratha	4096 MB	20 GB	4	string	20 Rs.
m1.small-bhagiratha	2048 MB	10 GB	2	string	20 Rs.
vm-cpu-4c-16g	16384 MB	62 GB	4	CPU Intensive	10 Rs.
vm-cpu-8c-32g	32768 MB	100 GB	8	CPU Intensive	20 Rs.
vm-cpu-16c-64g	65536 MB	200 GB	16	CPU Intensive	40 Rs.
vm-cpu-24c-96g	98304 MB	200 GB	24	CPU Intensive	60 Rs.
vm-cpu-32c-128g	131072 MB	350 GB	32	CPU Intensive	80 Rs.
vm-cpu-48c-192g	196608 MB	500 GB	48	CPU Intensive	120 Rs.
vm-cpu-64c-256g	262144 MB	500 GB	64	CPU Intensive	160 Rs.
vm-mem-4c-32g	32768 MB	100 GB	4	Memory Intensive	20 Rs.

Machine_types

2. Using Machine Types

Users can view various machine types and their configurations to determine the best fit for their project needs. The information provided for each machine type includes:

- Name: Identifier for the machine type.
- RAM: The amount of memory available in megabytes.
- Disk: Disk storage capacity in gigabytes.
- vCPU: Number of virtual CPU cores.
- Tag: Category or intended use of the machine type (e.g., CPU Intensive, Memory Intensive).
- Pricing: Cost per unit usage (e.g., per hour or per day).

Baremetal

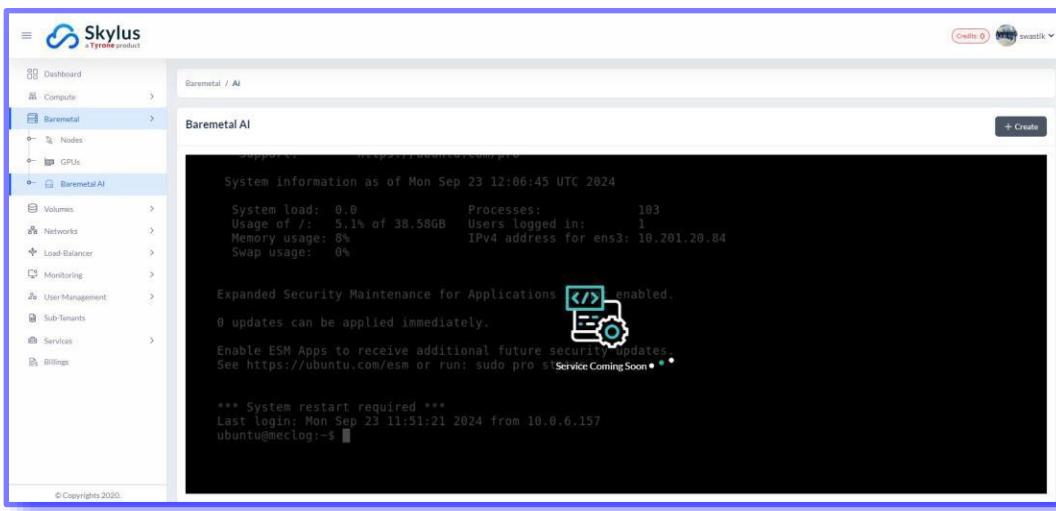
This guide provides an overview and setup instructions for the Baremetal service on the Skylus platform. The Baremetal service offers dedicated resources for high-performance computing needs, including Nodes, GPUs, and AI configurations.

Baremetal Service Overview

The Baremetal dashboard provides access to the Baremetal service options, including Nodes, GPUs, and AI-specific configurations.

Baremetal AI Service

The Baremetal AI service offers a high-performance computing environment tailored for AI applications. It displays system information such as load, memory usage, and other resource statistics to monitor the AI resources effectively.



Baremetal AI Service Interface

Baremetal GPU Service

The GPU service in Baremetal provides an interface to manage and monitor GPU resources for compute-intensive tasks. This interface shows system load, memory, and processing statistics to aid in resource management.

The screenshot shows the Skylus Baremetal GPU Service interface. The left sidebar navigation includes: Dashboard, Compute, Baremetal (selected), Nodes, GPUs (selected), Baremetal AI, Volumes, Networks, Load-Balancer, Monitoring, User Management, Sub-Tenants, Services, and Billings. The main content area displays system information as of Mon Sep 23 12:06:45 UTC 2024. It shows the following details:

```

System information as of Mon Sep 23 12:06:45 UTC 2024
System load: 0.0      Processes: 103
Usage of /: 5.1% of 38.58GB  Users logged in: 1
Memory usage: 8%      IPv4 address for ens3: 10.201.20.84
Swap usage: 0%

```

Expanded Security Maintenance for Applications is enabled. 0 updates can be applied immediately. Enable ESM Apps to receive additional future security updates. See <https://ubuntu.com/esm> or run: sudo pro status

*** System restart required ***
Last login: Mon Sep 23 11:51:21 2024 from 10.0.6.157
ubuntu@meclog:~\$

Baremetal GPU Service Interface

Baremetal Nodes

The Baremetal Nodes interface allows users to manage and view details of individual computing nodes. This section displays system information and statistics for each node, helping users track resource utilization.

The screenshot shows the Skylus Baremetal Nodes interface. The left sidebar navigation includes: Dashboard, Compute, Baremetal (selected), Nodes (selected), GPUs, Baremetal AI, Volumes, Networks, Load-Balancer, Monitoring, User Management, Sub-Tenants, Services, and Billings. The main content area displays system information as of Mon Sep 23 12:06:45 UTC 2024. It shows the following details:

```

System information as of Mon Sep 23 12:06:45 UTC 2024
System load: 0.0      Processes: 103
Usage of /: 5.1% of 38.58GB  Users logged in: 1
Memory usage: 8%      IPv4 address for ens3: 10.201.20.84
Swap usage: 0%

```

Expanded Security Maintenance for Applications is enabled. 0 updates can be applied immediately. Enable ESM Apps to receive additional future security updates. See <https://ubuntu.com/esm> or run: sudo pro status

*** System restart required ***
Last login: Mon Sep 23 11:51:21 2024 from 10.0.6.157
ubuntu@meclog:~\$

Baremetal Nodes Interface

Volumes

This is the 'Volumes' overview page in Skylus. It displays a summary of the available volumes, snapshots, and total volume storage used. The circular icons provide a quick visual indication of usage, with each section showing the count and percentage of used resources.

Create Volume - Selecting Volume Source

When creating a new volume, you can specify the 'Volume Source'. The dropdown menu provides various options such as 'No Source', 'Volume', 'Snapshot', and 'Image'. Selecting an option here defines the initial state or source for the new volume, allowing you to create volumes from existing data if desired.

Create Volume - Detailed Form

In the 'Create Volume' form, you can specify the name, size, volume type, and description for the new volume. This section allows detailed configuration, ensuring that the volume created meets specific requirements. The 'Volume Type' dropdown helps in categorizing the volume, such as setting it under 'Skylus' or other custom types.

The screenshot shows a modal dialog titled "CREATE VOLUME". The form contains the following fields:

- Name:** Input field containing "Example".
- Volume Source:** A dropdown menu labeled "Select volume source".
- Size (GB):** Input field containing "0".
- Volume type:** A dropdown menu labeled "__DEFAULT__".
- Description:** A large input area for additional notes.

At the bottom right of the form are two buttons: a red "Cancel" button and a blue "+ Create volume" button.

Create Volume - Volume Type Selection

This dropdown within the 'Create Volume' form allows you to choose a volume type. Custom volume types can be configured to suit different storage requirements. This flexibility enables tailored storage management for different types of data or applications.

The screenshot shows a 'CREATE VOLUME' dialog box with the following fields:

- Name:** Example
- Volume Source:** Select volume source
- Size (GB):** 0
- Volume type:** A dropdown menu showing:
 - _DEFAULT_ (selected)
 - Select volume type
 - test
 - Skylus** (highlighted in blue)
 - _DEFAULT_

At the bottom are two buttons: **x Cancel** and **+ Create volume**.

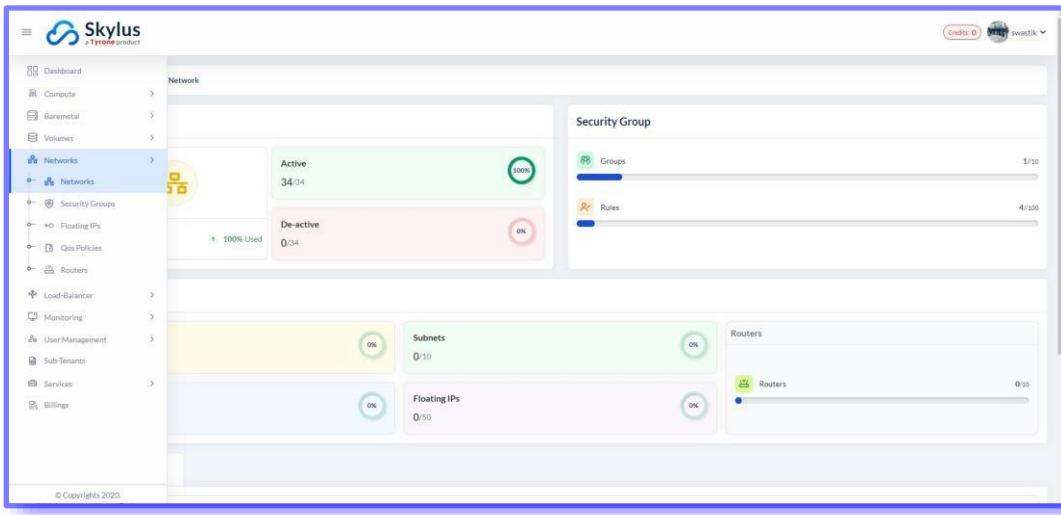
Snapshots Tab

In the 'Snapshots' tab, you can view the list of volume snapshots. Snapshots are point-in-time copies of volumes that can be used for backup or recovery purposes. This page allows easy management and monitoring of all available snapshots, ensuring that data can be recovered as needed.

The screenshot shows the Skylum cloud storage interface. At the top, there's a navigation bar with icons for file operations like New, Open, Save, etc. The main title is 'Volumes / Volume /'. On the left, a sidebar has a 'Volume' section with a tree icon and a 'Solutions' tab (which is currently selected). The main content area has three sections: 'Volumes' (with 0/10), 'Volume Snapshots' (with 0/10), and 'Volume Storage (GB)' (with 0/1000). Below these sections, there's a message box that says 'Informations...!' and 'No Data Available.' At the bottom left, there's a copyright notice: '© Copyrights 2020. All rights reserved by https://bigdatacloud.skylum.cloud/volumes/volume/snapshots'.

Networks

This image shows the main Networks dashboard, providing an overview of the network status. It displays Active and De-active network counts, Security Groups status, and configurations such as Subnets, Floating IPs, and Routers.



Networks

This image displays the 'Create Network' window where users can set parameters for a new external network, such as Name, MTU, Port Security Enabled, and Provider network type (e.g., flat or vlan).

The screenshot shows the 'Create Network' window. At the top, there are tabs for External (selected) and Internal. Below is a table titled 'External Networks' with columns: Name, Subnets, Status, Description, and Created At. The table lists three existing networks: ext-net-pub, ext-net-vdI, and ext-net. A toolbar at the top right includes 'Create Network' and 'Delete Network' buttons. The bottom right corner of the window has a blue border.

Networks_External_Create_Network

In this image, the 'Port Security Enabled' option is highlighted in the 'Create Network' window, allowing users to enable or disable port security for the new external network.

+ CREATE NETWORK

Name *

Admin State Up Shared Network

External Network

MTU

Port Security Enabled

true

Select Port Security Enabled

true

false

Description

x CANCEL **+ ADD**

Networks_External_Create_Network_Select_Port_Security_Enabled

This image shows the 'Provider network type' dropdown menu within the 'Create Network' window, where users can select between flat and vlan network types for the external network.

+ CREATE NETWORK

Name *

Admin State Up Shared Network

External Network

MTU

Port Security Enabled

Provider network type

Select Provider network type

Select Provider network type

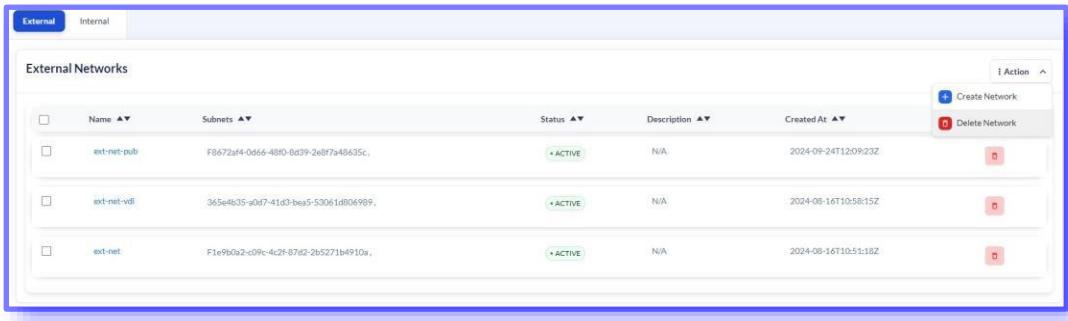
- flat
- vlan

X CANCEL + ADD

The screenshot displays the 'CREATE NETWORK' dialog box. At the top, there's a 'Name' field containing 'Example'. Below it are three checkboxes: 'Admin State Up' (checked), 'Shared Network' (checked), and 'External Network' (checked). Under 'MTU', the value '1500' is entered. In the 'Port Security Enabled' section, 'true' is selected. The 'Provider network type' section has a dropdown menu open, showing 'Select Provider network type' at the top, followed by a list of options: 'flat' and 'vlan'. At the bottom right of the dialog are 'CANCEL' and 'ADD' buttons.

Networks_External_Create_Network_Select_Provider_network_type

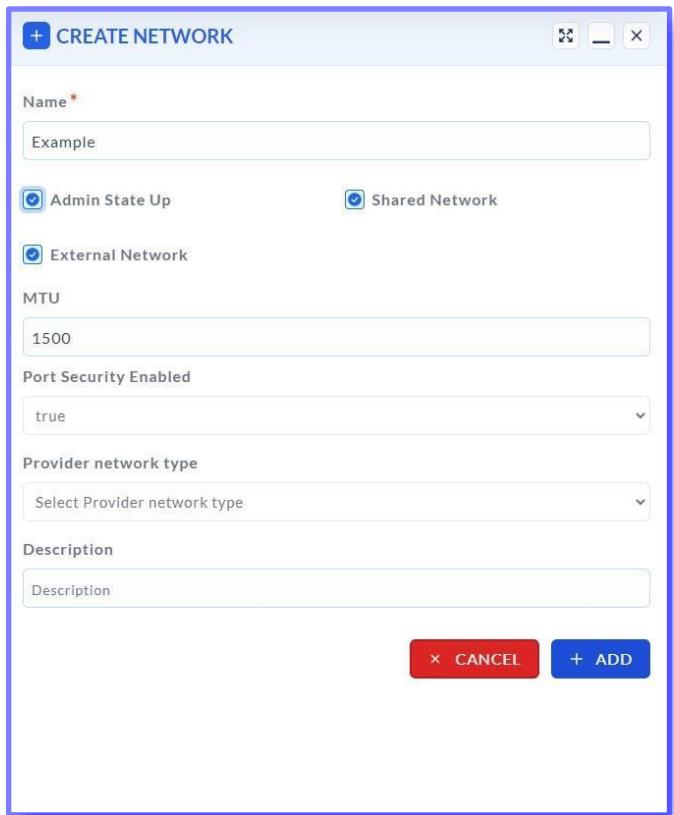
Here, the External Networks section displays the option to delete an existing network. It lists current external networks with their details, and users can choose to remove any selected network.



Name	Subnets	Status	Description	Created At	Action
ext-net-pub	F0672af4-0d66-48f0-8d39-2a8f7a48635c,	ACTIVE	N/A	2024-09-24T12:09:23Z	Delete
ext-net-vdi	365e4b35-a0d7-41d3-bea5-53061d806989,	ACTIVE	N/A	2024-08-16T10:58:35Z	Delete
ext-net	F1e9b0a2-c09c-4c2f-87d2-2b5271b4910a,	ACTIVE	N/A	2024-08-16T10:51:18Z	Delete

Networks_External_Delete

Similar to the external configuration, this image shows the 'Create Network' option under Internal Networks. Users can add internal networks with custom configurations.



The dialog box is titled '+ CREATE NETWORK'. It contains the following fields:

- Name***: A text input field containing "Example".
- Admin State Up**: A checked checkbox.
- Shared Network**: An unchecked checkbox.
- External Network**: A checked checkbox.
- MTU**: A text input field containing "1500".
- Port Security Enabled**: A dropdown menu showing "true".
- Provider network type**: A dropdown menu showing "Select Provider network type".
- Description**: A text input field containing "Description".
- CANCEL** and **ADD** buttons at the bottom.

Networks_Internal_Create_Network_click

This image highlights the 'Port Security Enabled' option in the 'Create Network' window under Internal Networks, allowing users to set port security preferences.

CREATE NETWORK

Name *

Admin State Up Shared Network

External Network

MTU

Port Security Enabled

Provider network type

Select Provider network type

Select Provider network type

flat
vlan

X CANCEL **+ ADD**

The screenshot shows a 'CREATE NETWORK' dialog box. At the top, there's a 'Name' field with 'Example' as the placeholder. Below it are three checkboxes: 'Admin State Up' (checked), 'Shared Network' (checked), and 'External Network'. Under 'MTU', the value '1500' is entered. In the 'Port Security Enabled' section, the dropdown menu is open, showing 'true' as the current selection. A blue selection bar highlights the 'Select Provider network type' dropdown, which contains two options: 'flat' and 'vlan'. At the bottom right are 'CANCEL' and 'ADD' buttons.

Networks_Internal_Create_Network_Select_Port_Security_Enabled

This image shows the 'Provider network type' selection for internal networks, where users can choose the network type, similar to external network settings.

CREATE NETWORK

Name *

Admin State Up Shared Network

External Network

MTU

Port Security Enabled

Provider network type

Select Provider network type

- Select Provider network type**
- flat
- vlan

x CANCEL **+ ADD**

The screenshot displays a 'CREATE NETWORK' dialog box. At the top, there's a 'Name' field with 'Example' as the placeholder. Below it are two checked checkboxes: 'Admin State Up' and 'Shared Network'. A single checkbox 'External Network' is also present. Under 'MTU', the value '1500' is entered. In the 'Port Security Enabled' section, 'true' is selected. The 'Provider network type' section contains a dropdown menu with 'Select Provider network type' at the top, followed by a list of options: 'Select Provider network type' (which is highlighted in blue), 'flat', and 'vlan'. At the bottom right are 'CANCEL' and 'ADD' buttons.

Networks_Internal_Create_Network_Select_Provider_network_type

In the Internal Networks section, users are provided with an option to delete internal networks. It displays a list of current internal networks with their details, allowing deletion as needed.

Name	Subnets	Status	Description	Created At	Action
Int-net	C21e5095-4ded-433e-8779-f7a3c72b2cc1,	ACTIVE	N/A	2024-09-26T11:10:37Z	
tom-int-net	C55209f5-a01a-4ce2-bd47-ca722c613b4f,	ACTIVE	N/A	2024-10-14T06:49:40Z	
k8s-private-network	D40f775e-7745-4612-9a6e-d4cb3fa85002,	ACTIVE	N/A	2024-10-22T05:55:00Z	

Networks_Internal_Delete

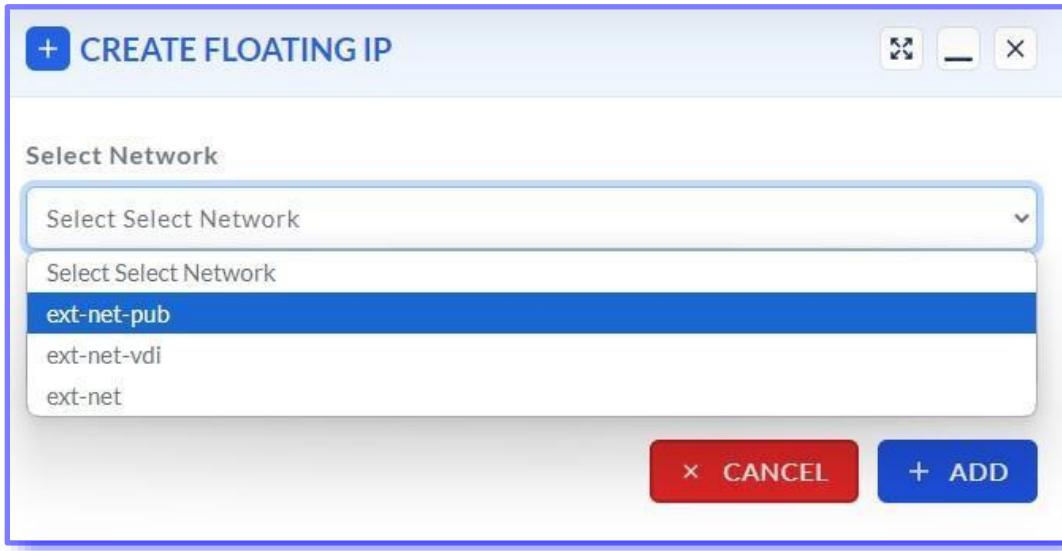
Floating IPs User Manual

The 'Create Floating IP' window allows users to configure a new Floating IP for network resources. Here, you can select a specific network to assign the Floating IP and provide a brief description to easily identify the purpose of this IP address later. The 'Cancel' button lets you exit without saving changes, while 'Add' confirms the creation of the Floating IP with the selected network.



Create_Floating_IP

In this view, users are provided with a dropdown menu under 'Select Network' to choose from available networks. You can pick a network (e.g., ext-net-pub, ext-net-vdi) where this Floating IP will be configured. Selecting the correct network ensures that the Floating IP is associated with the right infrastructure for connectivity.



Create_Floating_IP_Select_Network

The main Floating IPs dashboard displays an overview of existing Floating IP configurations. Here, you'll find status indicators for Active and De-active Floating IPs, network resources, and available IP pools. This section helps administrators monitor and manage IP usage and availability in real-time.

The screenshot shows the Skylus Floating IPs dashboard. On the left, a sidebar menu includes options like Dashboard, Compute, Baremetal, Volumes, Networks, Floating IPs, Qos Policies, Routers, Load-Balancer, Monitoring, User Management, Sub-Tenants, Services, and Billings. The Floating IPs option is selected. The main panel has a header 'Floating-Ips' and a sub-header 'Network'. It displays four cards: 'Active' (0/0), 'De-active' (0/0), 'Network' (Networks 0/10, Subnets 0/10, Routers 0/10), and 'Ports' (Ports 0/50, Floating IPs 0/50, Routers 0/10). A message at the bottom says 'Informations...! No Data Available.' An 'Action' dropdown menu is visible in the top right.

Floating_IPs

From the Floating IPs dashboard, you can access the 'Create Floating IP' option through the Action menu. This feature enables you to quickly set up new IPs and assign them to resources as needed. Use this menu to create and configure Floating IPs directly from the main screen, streamlining the workflow.

The screenshot shows the 'Action' menu for creating a floating IP. It contains two items: 'Create Floating IP' (with a plus icon) and 'Delete Floating IP' (with a minus icon). Below the menu, a message says 'Informations...! No Data Available.'

FLoating_IPs_Create_Floating_IP

The Action menu also provides an option to delete existing Floating IPs. This is useful for freeing up IPs that are no longer in use or reassigning resources. Removing unnecessary IPs can optimize network management, ensuring that only active IPs are maintained.



Floating_IPs_Delete.jpg

Here, the Floating IPs section offers an expanded view of network resources, detailing various configurations such as networks, subnets, and ports associated with each Floating IP. This consolidated view aids in efficiently overseeing the entire IP allocation and usage across the infrastructure, helping administrators manage IPs with ease.

The screenshot displays the Skylum interface, specifically the Floating IPs section. The top navigation bar shows 'Volumes / Networks / Floating-IPs'. On the left, there's a sidebar with various icons for managing volumes, networks, and floating IPs. The main area is divided into two main sections: 'Floating IPs' and 'Network'.

Floating IPs: This section contains two cards: 'Active' (0/0) and 'De-active' (0/0). Below these cards, it shows the total count of 0 and indicates 'NaN% Used'.

Network: This section contains four cards: 'Networks' (0/10), 'Subnets' (0/10), 'Ports' (0/50), and 'Routers' (0/10). Each card includes a progress bar and a status indicator.

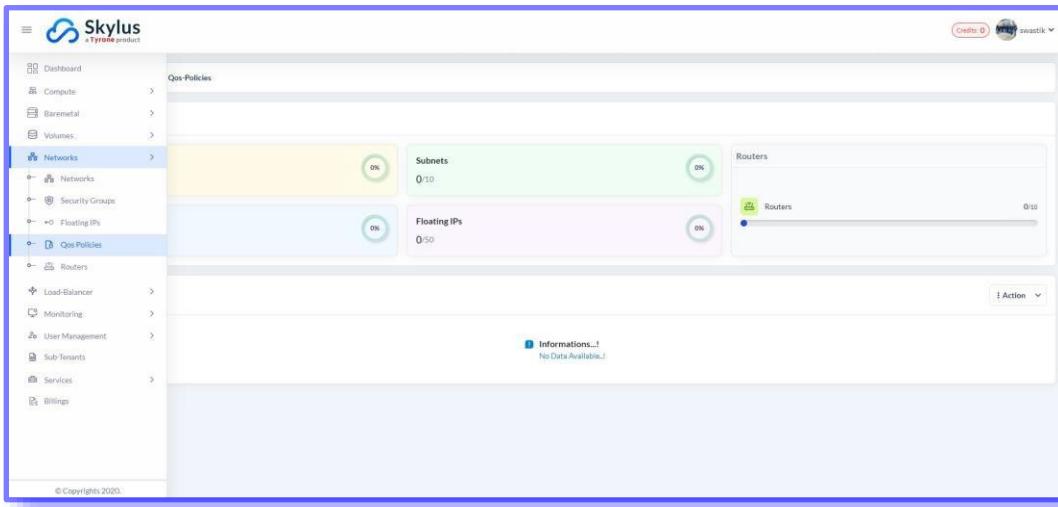
Floating IPs Table: A table titled 'Floating IPs' is present, showing one entry: 'Informations...!' with the note 'No Data Available.'.

Page Footer: The footer includes copyright information: '© Copyrights 2020. All rights reserved by Skylum'.

Floating_IPs

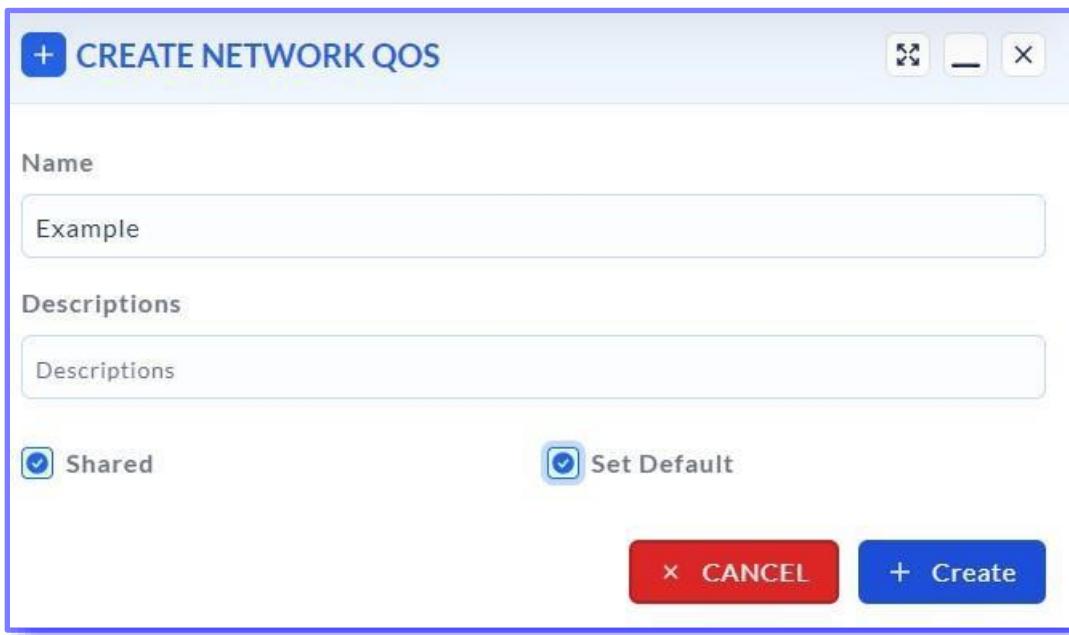
QoS Policies User Manual

The QoS Policies dashboard gives an overview of current network configurations related to Quality of Service (QoS). Here, you can monitor network resources, including subnets, floating IPs, and routers, which help in maintaining network performance standards. This dashboard provides an organized view to ensure all essential network elements are monitored.



Qos_Policies

In the 'Create Network QoS' window, you can define a new QoS policy for network resources. Provide a name and description to identify the QoS policy. The 'Shared' option makes this policy accessible across different projects, while 'Set Default' lets you establish this as the standard QoS policy. Use 'Cancel' to exit without saving, or 'Create' to confirm the new policy.



Qos_Policies_Create_Network_QOS

From the QoS Policies dashboard, you can access the 'Create QoS Policies' option through the Action menu. This functionality lets you quickly set up new QoS policies to manage network traffic and maintain optimal performance. Using this streamlined process, administrators can easily apply or modify QoS settings as required.



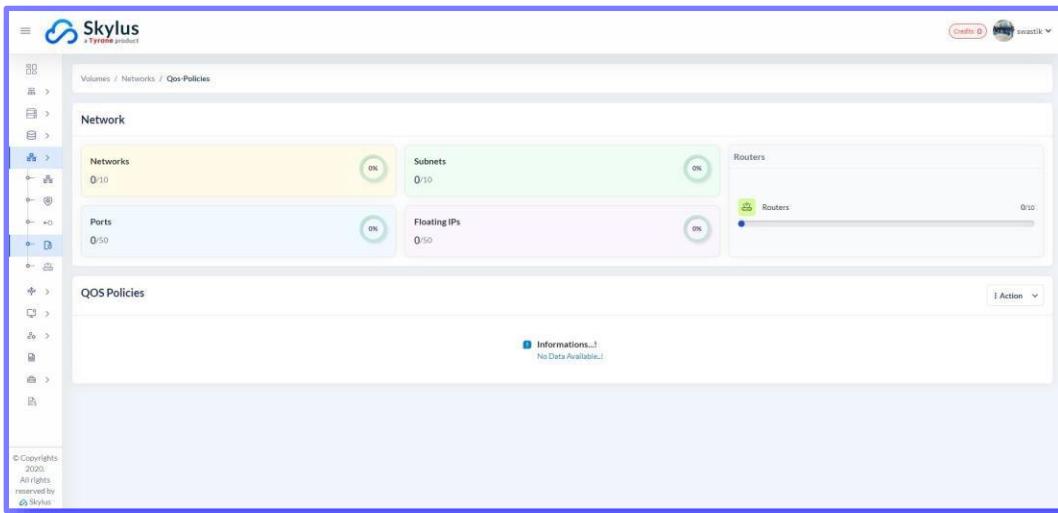
Qos_Policies_Create_QOS_Policies

The Action menu also allows you to delete QoS policies that are no longer needed. Removing outdated or unnecessary policies can help keep the system efficient and prevent misconfigurations. This option is crucial for maintaining a clean and organized network environment.



Qos_Policies_Delete

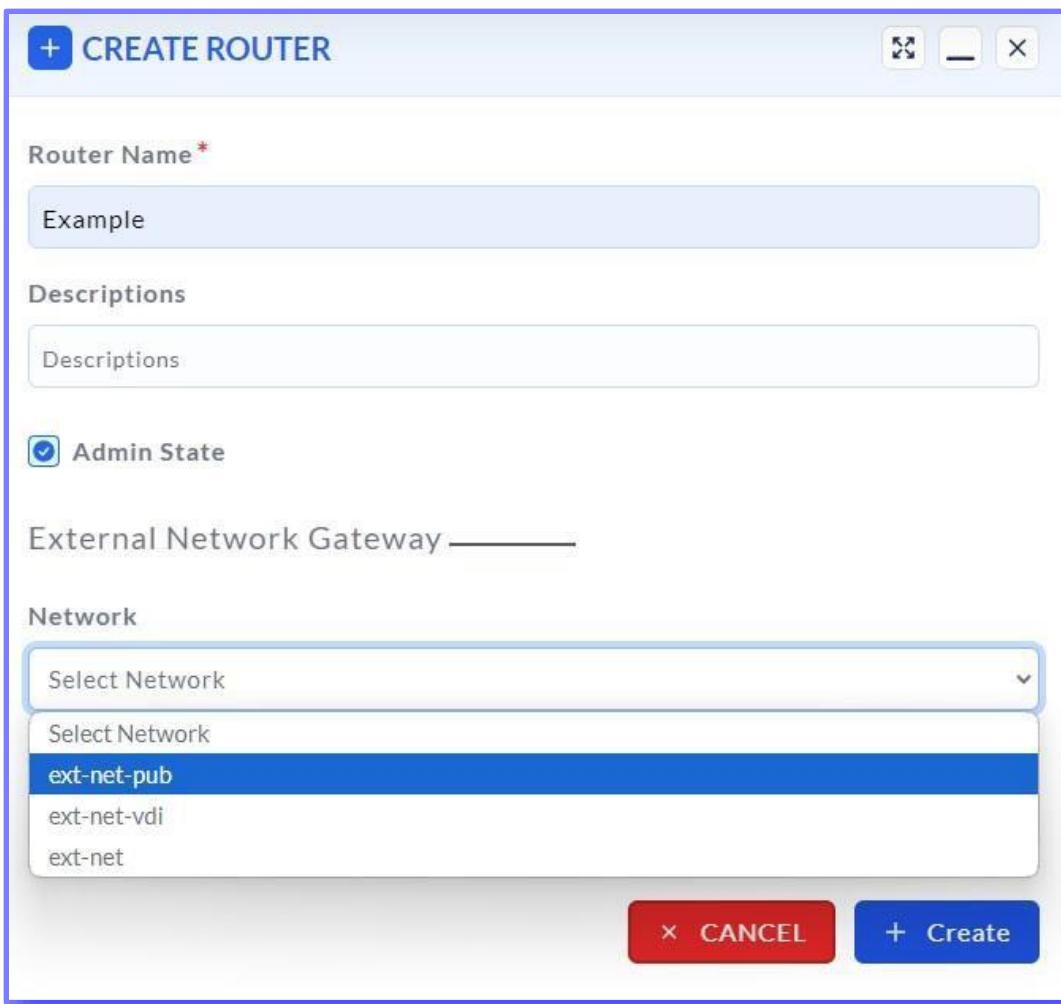
This expanded view in the QoS Policies section provides more details on the network structure and policy applications. It displays information on associated networks, subnets, floating IPs, and routers. This comprehensive layout allows for efficient management and ensures that each network element adheres to defined QoS standards.



Qos_Policies

Routers User Manual

In the 'Create Router' window, you can set up a new router by entering the Router Name and optional description. Ensure the 'Admin State' checkbox is selected to activate the router. Under 'Network,' choose the network from the dropdown menu to connect this router to an external network. Pressing 'Create' will complete the setup of the new router.



Create_Router_Select_Network

The 'Sub-Tenant' dropdown option lets you assign the router to a specific sub-tenant. This can be useful for allocating network resources to different departments or projects. Select the sub-tenant from the list to ensure the router is correctly assigned.

The screenshot shows a 'CREATE ROUTER' dialog box. At the top left is a blue '+' button and the text 'CREATE ROUTER'. On the right are window control buttons for minimize and close. Below the title are fields for 'Router Name*' (containing 'Example') and 'Descriptions' (containing 'Descriptions'). A checked checkbox labeled 'Admin State' is present. Under 'External Network Gateway' is a 'Network' section with a dropdown menu set to 'Select Network'. In the 'Sub-Tenant' section, a dropdown menu shows 'primary' selected. A sub-menu titled 'Select Sub-Tenant' also lists 'primary'. At the bottom are 'CANCEL' and 'Create' buttons.

Create_Router_Sub-Tenant

The main Router dashboard provides an overview of router usage and network connectivity. Here, you can monitor active and de-active routers, as well as other network resources such as ports, networks, subnets, and floating IPs. This centralized view helps in managing network routing efficiently.

The screenshot shows the Router-Dashboard interface. On the left, a sidebar menu includes options like Dashboard, Compute, Baremetal, Volumes, Networks (selected), Floating IPs, Qos Policies, Routers (selected), Load-Balancer, Monitoring, User Management, Sub-Tenants, Services, and Billings. The main panel displays a summary of network resources: Active (17/17), De-active (0/17), Networks (0/10), Subnets (0/10), Ports (0/50), Floating IPs (0/50), and Routers (0/10). A message at the bottom states 'Informations...! No Data Available.' The footer includes a copyright notice '© Copyrights 2020' and a 'swatik' user profile.

Routers

Within the Routers section, the Action menu provides the option to 'Create Router.' This allows you to quickly set up a new router, assigning it to networks and sub-tenants as required. This functionality streamlines the router creation process directly from the dashboard.

The screenshot shows the Routers section. The Action menu is open, displaying two options: 'Create Router' (with a plus icon) and 'Delete Router' (with a minus icon). The main area below shows a message 'Informations...! No Data Available.' The footer includes a copyright notice '© Copyrights 2020' and a 'swatik' user profile.

Routers_Create_Router

After filling out the necessary router details, you can review your configurations. The settings summary displays essential information, ensuring that the router will function as intended within the specified network structure. Confirm the details, then click 'Create' to finalize.

+ CREATE ROUTER

Router Name *

Descriptions

Admin State

External Network Gateway _____

Network

Sub-Tenant

X CANCEL

+ Create

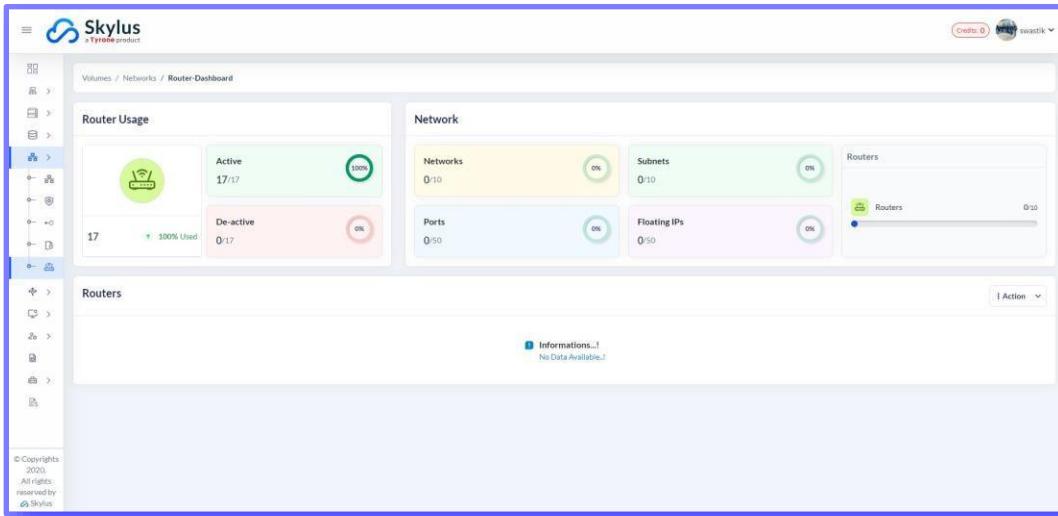
Routers_Create_Router

The 'Delete Router' option is available in the Action menu for removing unused or redundant routers. This helps in keeping the network clean and avoids unnecessary resource allocation. Deleting a router also removes its connections, so ensure it is no longer in use before deletion.



Routers_Delete

This expanded router view provides additional details about network routing, displaying active and inactive routers. It offers a complete picture of network distribution, allowing for efficient management and monitoring of routing configurations.



Routers

Security Groups

The Security Groups section in the Skylus platform provides essential network security settings.

Users can create, configure, and delete security groups to manage access to instances within the Skylus environment.

Below are detailed explanations of various functionalities within this section, accompanied by screenshots for better understanding.

1. Security Groups Overview

- Security Group Information: This section displays the counts of active and configured security groups as well as associated rules.
 - Groups: The number of security groups created by the user, which can be viewed and managed here.
 - Rules: Represents the total count of rules within the groups, allowing fine-grained access control.
- Image Reference: The image shows the general layout of the Security Groups page, detailing available groups and rule counts.

	Stateful State	Description	Shared	Created At	Action
built	True	Default security group	False	Tue Nov 05 2024	[Edit]

Security Groups Overview

2. Creating a Security Group

- Create Security Group Option: Users can create a new security group by clicking the "Create Security Group" option in the Action dropdown menu.
- Form Fields: A form appears requiring inputs for:
 - Name: The name of the new security group.
 - Description: Additional details about the purpose or configuration of the security group.
- Add Button: After entering the required information, clicking "Add" will save the new security group.
- Image Reference: Shows the form for creating a new security group, with fields for name and description.

The screenshot shows a modal dialog box titled "CREATE SECURITY GROUP". At the top left is a blue button with a white plus sign and the text "CREATE SECURITY GROUP". At the top right are three window control buttons: a maximize icon, a minimize icon, and a close (X) icon. The main area contains two input fields. The first field is labeled "Name" and contains the placeholder text "Example". The second field is labeled "Description" and contains the placeholder text "Description". At the bottom right of the dialog are two buttons: a red "CANCEL" button with a white X icon and a blue "ADD" button with a white plus sign icon.

Creating a Security Group

3. Managing Security Groups

- Security Groups List: The main page lists all created security groups with details such as:
 - Stateful State: Indicates if the group is stateful, meaning it maintains connection state information.
 - Description: Describes the purpose of each security group.
 - Shared: Shows whether the security group is shared with other users or restricted to the current user.
 - Actions: Options to modify or delete the security group.
- Image Reference: Provides a view of the list of security groups along with the option to create or delete groups.

Security Groups					
	Name ▾	Stateful State ▾	Description ▾	Shared ▾	Created At ▾
<input type="checkbox"/>	default	True	Default security group	False	Tue Nov 05 2024

I Action
+ Create Security Groups
Delete Security Groups

Managing Security Groups

4. Deleting a Security Group

- Delete Option: Users can delete security groups by selecting "Delete Security Group" from the Action menu. This is useful for removing outdated or unnecessary configurations.
 - Confirmation: Before deletion, it may prompt for confirmation to avoid accidental deletions.
- Image Reference: Shows the deletion process, including the delete option within the Action dropdown.

Security Groups					
	Name ▾	Stateful State ▾	Description ▾	Shared ▾	Created At ▾
<input type="checkbox"/>	default	True	Default security group	False	Tue Nov 05 2024

I Action
+ Create Security Groups
Delete Security Groups

Deleting a Security Group

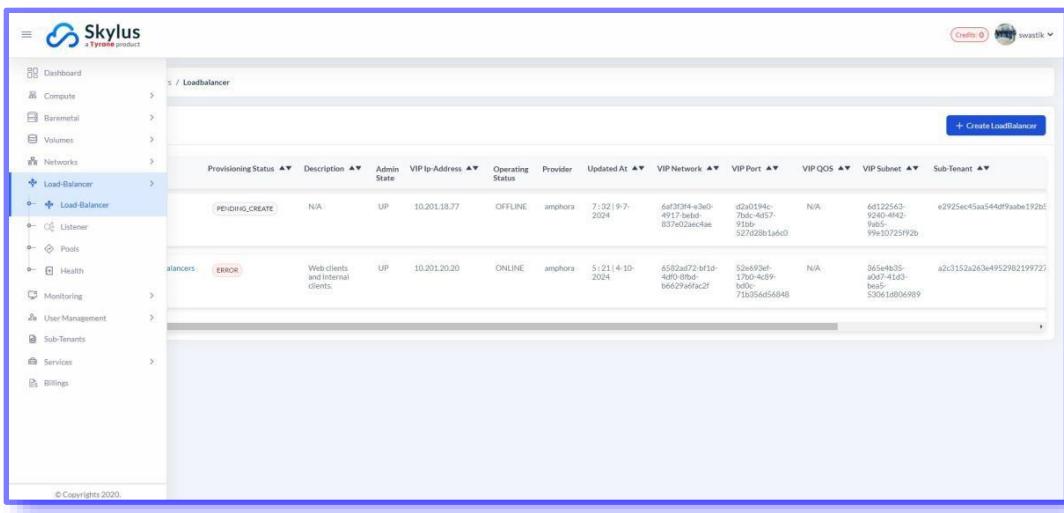
Load-Balancer

This guide provides steps to create and configure load balancers within the Skylus platform, detailing the interface options and selections available.

1. Load Balancer Dashboard

Overview: Access the Load Balancer section from the Skylus dashboard. Here, you can view the status and details of existing load balancers, including provisioning and operating states, IP addresses, and descriptions.

Load-Balancer



The screenshot shows the Skylus dashboard with the 'Load-Balancer' section selected. The left sidebar includes options like Dashboard, Compute, Baremetal, Volumes, Networks, Load-Balancer (selected), Listener, Pools, Health, Monitoring, User Management, Sub-Tenants, Services, and Billings. The main content area displays a table of load balancers:

Provisioning Status	Description	Admin State	VIP IP-Address	Operating Status	Provider	Updated At	VIP Network	VIP Port	VIP QoS	VIP Subnet	Sub-Tenant
PENDING_CREATE	N/A	UP	10.201.18.77	OFFLINE	amphora	7/32 9:7-2024	6a030f84-e3e0-4917-beb4-837e02ae4aee	d20d194c-7bdc-4d57-91bc-527e22b1a6e0	N/A	6d1225c3-9240-4f42-9ab5-19e30725ff2b	e2925e45a544df9a1be192bf
ERROR	Web clients and Internal clients	UP	10.201.20.20	ONLINE	amphora	5/21 4:10-2024	65b2ad72-bf1d-4090-8fd5-169297afec2f	52ed593ef-4007-4d89-b0fc-71b55ed54948	N/A	365e4b35-4007-4d83-bec2-53061b069489	a2c152a263e4952982199727

2. Creating a Load Balancer

Step-by-Step Guide: Click on 'Create Load Balancer' to initiate a new configuration. This opens the load balancer creation interface, where you can enter specific details.

Load-Balancer_Click_Create_Load_Balancer

The screenshot shows a modal dialog box titled "CREATE LOAD BALANCER". The dialog has a blue header bar with the title and standard window controls (minimize, maximize, close). The main area contains several input fields and dropdown menus:

- Name ***: A text input field containing "Example".
- Description**: A text input field containing "Description".
- Network ***: A dropdown menu showing "Please Select The Options".
- Qos Policy**: A dropdown menu showing "HTTP 401 Unauthorized".

At the bottom right of the dialog are two buttons: a red "CANCEL" button with a white "X" icon and a blue "Create" button with a white "+" icon.

3. Configuring Load Balancer Details

Input Fields:

- Name: Specify a unique name for the load balancer.
- Description: Optionally, add a description to identify the purpose or details.
- Network: Select the desired network from the dropdown. If unauthorized, you may see an 'HTTP 401 Unauthorized' message.

Create_Load_Balancer_Network

The screenshot shows a modal dialog box titled "CREATE LOAD BALANCER". The "Name" field is populated with "Example". The "Description" field contains the placeholder text "Description". In the "Network" section, a dropdown menu is open, showing "Please Select The Options" at the top, followed by a search bar with "Search Network" and a red error message "HTTP 401 Unauthorized" below it. At the bottom right of the dialog are two buttons: a red "CANCEL" button and a blue "+ Create" button.

- QoS Policy: (Optional) Select the Quality of Service (QoS) policy. Unauthorized access may also trigger an HTTP error here.

Create_Load_Balancer_QosP_Policy

+ CREATE LOAD BALANCER

Name *	Example
Description	Description
Network *	Please Select The Options
Qos Policy	HTTP 401 Unauthorized
Search Qos Policy	

4. Reviewing Load Balancer Status

Status Indicators: Once created, the load balancer's status updates in real-time. You may see states such as 'PENDING_CREATE' or 'ONLINE,' depending on whether the load balancer is active or in the setup phase. Errors in configuration or setup can also appear here, helping in troubleshooting or reconfiguration.

Load-Balancer

Name	Provisioning Status	Description	Admin State	VIP IP-Address	Operating Status	Provider	Updated At	VIP Network	VIP Port	VIP QoS	VIP Subnet	Sub-Tenant
b1	PENDING_CREATE	N/A	UP	10.201.18.77	OFFLINE	amphora	7:32 9-7-2024	6af3f94-e3d-4917-bebe-837e02ae4ae	d2a0194c-7bdc-4d57-91bb-527628b1a640	N/A	6d1225c3-9240-4f42-9ab5-99e10725f92b	e2925ec45aa544df9aabe192b
App6NetLBalancers	ERROR	Web clients and Internal clients.	UP	10.201.20.20	ONLINE	amphora	5:21 4-10-2024	6502ad72-bf1d-4d90-8bd-b662946f4c2f	52e693d-1760-4c89-bd0c-71b356d56948	N/A	365e4b35-a0d7-41d3-bea5-530618806989	a2c1152a263e4952982199727

Name	Provisioning Status	Description	Admin State	VIP IP-Address	Operating Status	Provider	Updated At	VIP Network	VIP Port	VIP QoS	VIP Subnet	Sub-Tenant
b1	PENDING_CREATE	N/A	UP	10.201.18.77	OFFLINE	amphora	7:32 9-7-2024	6af3f94-e3d-4917-bebe-837e02ae4ae	d2a0194c-7bdc-4d57-91bb-527628b1a640	N/A	6d1225c3-9240-4f42-9ab5-99e10725f92b	e2925ec45aa544df9aabe192b
App6NetLBalancers	ERROR	Web clients and Internal clients.	UP	10.201.20.20	ONLINE	amphora	5:21 4-10-2024	6502ad72-bf1d-4d90-8bd-b662946f4c2f	52e693d-1760-4c89-bd0c-71b356d56948	N/A	365e4b35-a0d7-41d3-bea5-530618806989	a2c1152a263e4952982199727

Listener

1. Create Listener Form

This screenshot shows the 'Create Listener' form, where the user can enter details to set up a new listener. The fields include 'Name', 'Description', 'Protocol', 'Loadbalancer', 'Allowed CIDR', 'Protocol Port', 'Tenant', and various timeout and connection limit settings. Each field marked with a red asterisk (*) is mandatory.

+ CREATE LISTENER

Name	Example
Description	Description
Protocol*	Please Select The Options
Loadbalancer*	Please Select The Options
Allowed CIDR*	CIDR
Protocol Port*	0
Tenant	Please Select The Options
Connection Limit	Connection Limit
Timeout Client Data	Timeout Client Data

2. Loadbalancer Selection

In this section, the user can select an existing loadbalancer for the listener. Available loadbalancers are listed, and the user can search by name. This ensures that the listener is associated with the correct loadbalancer.

+ CREATE LISTENER

Name
Example

Description
Description

Protocol *
Please Select The Options ▼

Loadbalancer *
Please Select The Options ▲

Search Loadbalancer
lb1
App&Net_LBalancers
0

Tenant
Please Select The Options ▼

Connection Limit
Connection Limit

Timeout Client Data
Timeout Client Data

3. Protocol Selection

The 'Protocol' dropdown menu allows the user to select the protocol for the listener. Options include HTTP, HTTPS, SCTP, Prometheus, TCP, Terminated HTTPS, and UDP. Selecting the correct protocol is essential for the listener's functionality.

The screenshot shows a 'CREATE LISTENER' dialog box with the following fields:

- Name:** Example
- Description:** Description
- Protocol***: A dropdown menu labeled "Please Select The Options" containing the following options:
 - HTTP
 - HTTPS
 - SCTP
 - PROMETHEUS
 - TCP
 - TERMINATED_HTTPS
 - UDP
- Connection Limit:** (Empty input field)
- Timeout Client Data:** (Empty input field)

4. Tenant Selection

This section enables the user to choose the tenant for which the listener is being created. All available tenants are listed, allowing the user to assign the listener to the appropriate organizational unit.

Tenant

Please Select The Options ▲

Search Tenant

- mademi
- deepak
- bakaya
- daas
- abc_domain
- abc
- netweb
- dd
- sds
- k8s_domain_yashwanth
- aman
- testing
- k8_test
- ashrita_tenant
- kamboj
- suvasch-domain

5. Complete Listener Configuration

Once all required fields are completed, the user can finalize the listener configuration by clicking 'Create Listener'. Additional options such as connection limits and timeout settings can be specified to tailor the listener's performance.

The screenshot shows a configuration form for a listener. The fields are as follows:

- Loadbalancer ***: A dropdown menu with the placeholder "Please Select The Options".
- Allowed CIDR ***: An input field containing "CIDR".
- Protocol Port ***: An input field containing "0".
- Tenant**: A dropdown menu with the placeholder "Please Select The Options".
- Connection Limit**: An input field containing "Connection Limit".
- Timeout Client Data**: An input field containing "Timeout Client Data".
- Timeout Member Connect**: An input field containing "Timeout Member Connect".
- Timeout Member Data**: An input field containing "Timeout Member Data".
- Timeout TCP Inspect**: An input field containing "Timeout TCP Inspect".

At the bottom right are two buttons: a red "Cancel" button with a white "X" icon, and a blue "Create Listener" button with a white "+" icon.

6. Listener List View

The list view displays all configured listeners with details including provisioning status, operating status, admin state, protocol, port, connection limit, timeout settings, and last updated information. This provides an overview of all listeners under the selected loadbalancer.

	Provisioning Status	Operating Status	Admin State	Protocol	Protocol Port	Connection limit	Time-Out Client Data	Time-Out Member Connect	Time-Out Member Data	Updated At	Time-C
	ACTIVE	ONLINE	UP	HTTP	80	N/A	50000	5000	50000	11:32 28-9-2024	N/A

7. Loadbalancer Listener Overview

This screenshot provides an overview of a selected listener within the loadbalancer. It shows critical information about the listener's status, protocol, port, and time-out configurations, helping administrators monitor and manage listener settings efficiently.

	Name	Provisioning Status	Operating Status	Admin State	Protocol	Protocol Port	Connection limit	Time-Out Client Data	Time-Out Member Connect	Time-Out Member Data	Updated At	Time-C
	Process	ACTIVE	ONLINE	UP	HTTP	80	N/A	50000	5000	50000	11:32 28-9-2024	N/A

Pools

1. Create Pools

In the Skylus Load Balancer, creating a pool is essential for managing and organizing backend servers. It involves specifying a listener, protocol, load balancing algorithm, and other necessary configurations. Follow the steps below to configure a new pool.

1.1 Name and Listener Selection

Enter a name for the pool and select an appropriate listener from the dropdown menu. The listener links the pool to a specific load balancer, enabling traffic routing based on the configuration.

+ CREATE POOLS

Name *

Listener *

Protocol *

LB Algorithm *

Sub-Tenants

TLS

Session Persistence

Description

X Cancel+ Create Pools

1.2 Select Protocol and Load Balancing Algorithm

Choose the protocol (e.g., HTTP, HTTPS, etc.) and the load balancing algorithm (e.g., Round Robin, Least Connections) to define how traffic is distributed across the servers within the pool.

CREATE POOLS

Name *

Listener *

Protocol *

LB Algorithm *

Search LB Algorithm

- Least Connections
- Round Robin
- Source IP
- Source IP POR

Description

x Cancel + Create Pools

1.3 Listener Association

Associate the pool with a listener. This listener defines the traffic parameters for incoming requests, ensuring they are directed correctly within the pool.

+ CREATE POOLS

Name *Listener *LB Algorithm *

Name *

Listener *

Search Listener

LB Algorithm *

Sub-Tenants

 TLS
Session Persistence

Description

× Cancel + Create Pools

1.4 Protocol Selection

Select the protocol that the pool will support, ensuring compatibility with the traffic requirements.

+ CREATE POOLS

Name *

Listener *

Please Select The Options ▾

Protocol *

Please Select The Options ▲

Search Protocol

- HTTP
- HTTPS
- SCTP
- PROMETHEUS
- TCP
- TERMINATED_HTTPS
- UDP

Description

x Cancel **+ Create Pools**

1.5 Sub-Tenants and Additional Settings

Define sub-tenants and additional configurations such as session persistence, TLS settings, and descriptions for the pool. This ensures the pool is properly managed within multi-tenant environments.

+ CREATE POOLS

Name *ExampleX

Listener *Please Select The Options▼

Protocol *Please Select The Options▼

LB Algorithm *Please Select The Options▼

Sub-TenantsPlease Select The Options▲

Search Sub-Tenantsprimary

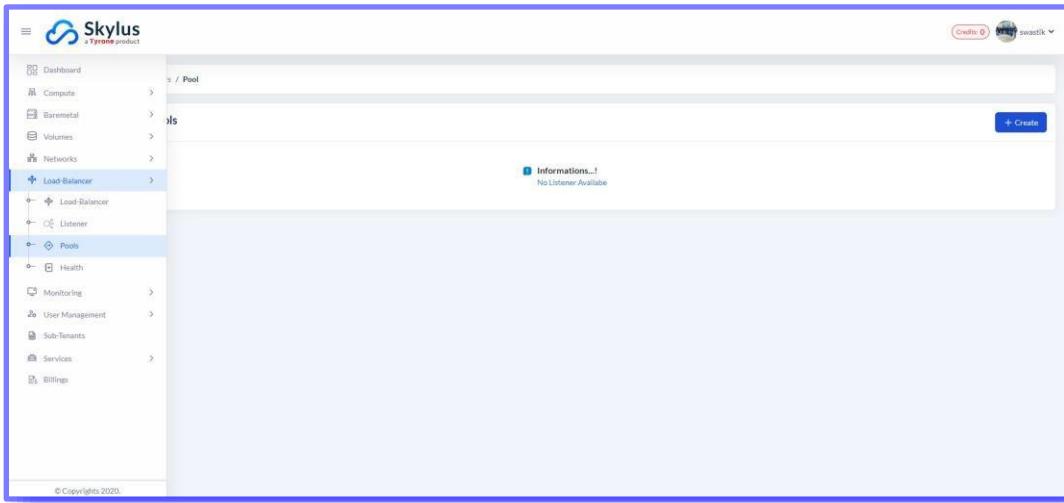
Session Persistence

DescriptionDescription

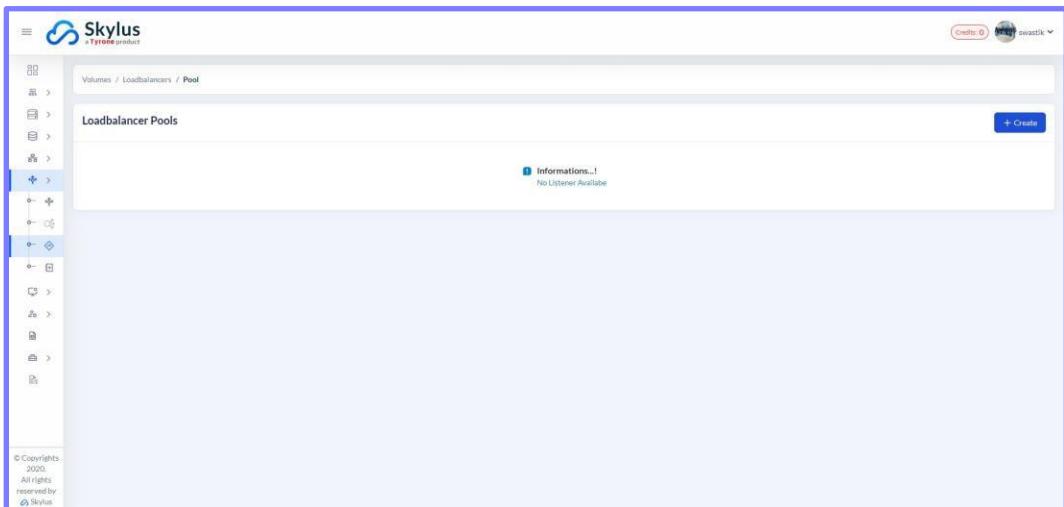
X Cancel + Create Pools

1.6 Pool Overview

After creation, the pool details will be displayed in the Load Balancer Pools section, providing an overview of the configured settings.



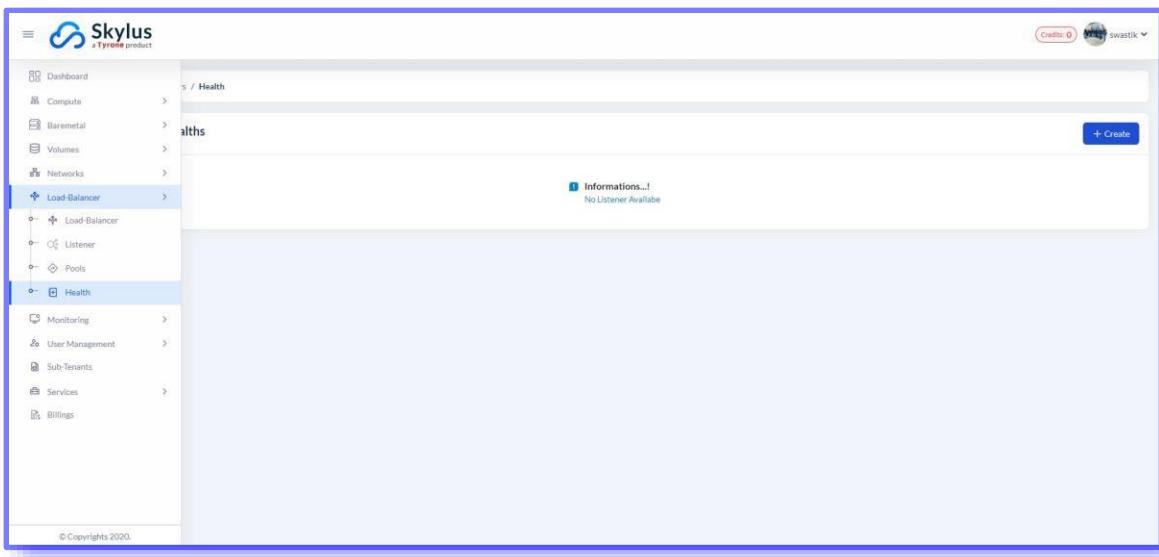
This screen allows administrators to view and manage pool settings in real-time.



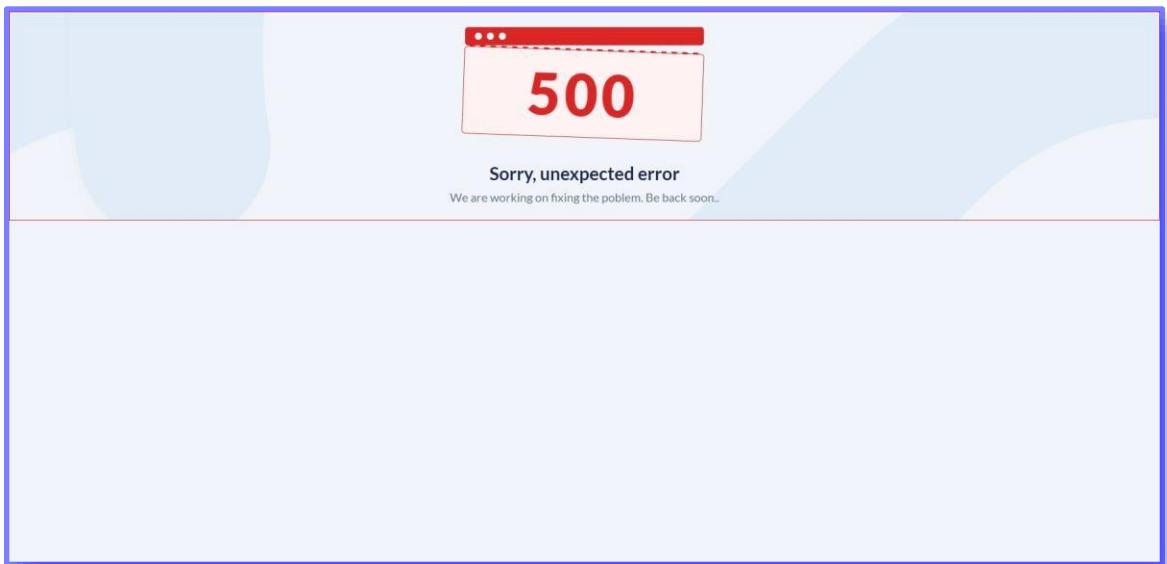
Health

Skylus is designed to prioritize user health with ergonomic features that reduce strain during prolonged use. The product includes a lightweight, balanced build, ensuring comfortable handling and minimizing wrist fatigue. Additionally, Skylus materials are skin-friendly, and its design promotes natural hand positioning to support long-term joint and muscle wellness.

Below are the screenshots that will give you a brief idea.



Load Balancer Health



Monitoring

1. Monitoring Main Page

This is the main interface of the Monitoring section in Skylus. Users can select a host to view detailed monitoring information. The dropdown on the right allows selection of different hosts for monitoring.



2. Monitoring Section with Host Selection

In this view, the user has expanded the host selection dropdown to choose a specific host. Once a host is selected, monitoring data for the chosen host will be displayed in the main panel.



3. Host Selection Dropdown Expanded

The dropdown list shows available hosts for monitoring. The user can select from multiple hosts, each represented by an IP address. Selecting a host will update the monitoring data displayed on the screen.



User Management

User Management - Users Overview

This screen displays the User Management dashboard where you can view the list of users along with their active status, email, tenant name, and actions.

Name	Email	Active Status	Tenant Name	Description	Actions
swastik	swastik.chakraborty@netwebindia.com	Active	netwebblr	N/A	

User Management - Users Overview (Expanded)

Here is an expanded view of the Users list, showing additional details about user activity.

Name	Email	Active Status	Tenant Name	Description	Actions
swastik	swastik.chakraborty@netwebindia.com	Active	netwebblr	N/A	

Create User - Initial Screen

This is the initial Create User screen where you input tenant, primary sub-tenant, username, email, password, and other details for the new user.

+ CREATE USER

Tenant	netwebblr
Primary Sub-Tenant	Select Primary Sub-Tenant
Username	Username
Email	Email
Password	Password
Description	Description
Role on Tenant	Select Role on Tenant
Role on Sub-Tenant	Select Role on Sub-Tenant
Enable	Select Enable

Create User - Select Primary Sub-Tenant

In this screen, you can select the primary sub-tenant for the new user from a dropdown list.

+ CREATE USER

Tenant
netwebblr

Primary Sub-Tenant
Select Primary Sub-Tenant
Select Primary Sub-Tenant
primary
Username

Email
Email

Password
Password

Description
Description

Role on Tenant
Select Role on Tenant

Role on Sub-Tenant
Select Role on Sub-Tenant

Enable
Select Enable

Create User - Select Role on Sub-Tenant

This screen allows you to select the role on the sub-tenant for the user being created.

netwebblr

Primary Sub-Tenant

Select Primary Sub-Tenant

Username

Username

Email

Email

Password

Password

Description

Description

Role on Tenant

Select Role on Tenant

Role on Sub-Tenant

Select Role on Sub-Tenant

Select Role on Sub-Tenant
Enable

Select Enable

x CANCEL + Create User

Create User - Expanded Form

An expanded view of the Create User form where additional information like user description and roles can be set.

The screenshot shows a user interface for creating a new user. The form is titled "Create User - Expanded Form". It includes fields for Primary Sub-Tenant, Username, Email, Password, Description, Role on Tenant, Role on Sub-Tenant, and Enable status. At the bottom, there are "CANCEL" and "Create User" buttons.

Primary Sub-Tenant	Select Primary Sub-Tenant
Username	Username
Email	Email
Password	Password
Description	Description
Role on Tenant	Select Role on Tenant
Role on Sub-Tenant	Select Role on Sub-Tenant
Enable	Select Enable
X CANCEL + Create User	

Create User - Enable/Disable Option

The Enable/Disable dropdown allows you to set the initial status of the new user.

The screenshot shows a 'Create User' form with various input fields and dropdown menus. The 'Enable' dropdown menu is open, displaying two options: 'Yes' and 'No'. The 'Yes' option is highlighted with a blue background, indicating it is the selected value.

Fields visible in the form:

- Primary Sub-Tenant: netwebblr
- Select Primary Sub-Tenant
- Username
- Email
- Password
- Description
- Role on Tenant
- Select Role on Tenant
- Role on Sub-Tenant
- Select Role on Sub-Tenant
- Enable
- Select Enable (dropdown menu open):
 - Yes (highlighted)
 - No

Create User - Role on Tenant

This screen shows the option to select the user's role on the tenant.

netwebblr

Primary Sub-Tenant

Select Primary Sub-Tenant

Username

Username

Email

Email

Password

Password

Description

Description

Role on Tenant

Select Role on Tenant

Select Role on Tenant
Role on Sub-Tenant

Select Role on Sub-Tenant

Enable

Select Enable

× CANCEL + Create User

Sub-Tenants

This screenshot shows the Sub-Tenants section where users can view and manage sub-tenants. The Info panel displays the active and deactivated user count, while the main panel lists sub-tenants with details like Name, Active Status, and Description.

The screenshot displays the Skylus cloud management interface. On the left, a sidebar menu includes options like Dashboard, Compute, Baremetal, Volumes, Networks, Load-Balancer, Monitoring, User Management, and Sub-Tenants, which is currently selected. The main content area is titled "Sub-Tenants". It features an "Info" panel showing "Users" statistics: Active: 1/1 and Deactive: 0/1, with a green circular progress bar at 100% and a red "0%" button. Below this is a table titled "Sub-Tenants" with columns: Name, Active Status, Description, and Actions. A single row is listed: "primary" with "TRUE" under Active Status and "N/A" under Description. A blue "Create Sub-Tenant" button is located in the top right corner of the main panel. The bottom left corner of the main panel contains the copyright notice "© Copyright 2020".

This screen shows the 'Create Sub-Tenant' form where users can input details for a new sub-tenant. Fields include Sub-Tenant Name, Description, and an option to enable or disable the sub-tenant.

+ CREATE SUB TENANT

Tenant

Sub-Tenant Name *

Enabled

Sub-Tenant Name No Yes

Description

Description

x CANCEL **+ Create**

This screen allows users to select the Tenant for the new sub-tenant. This dropdown helps in associating the sub-tenant with an existing tenant.

+ CREATE SUB TENANT

Tenant

Select Tenant

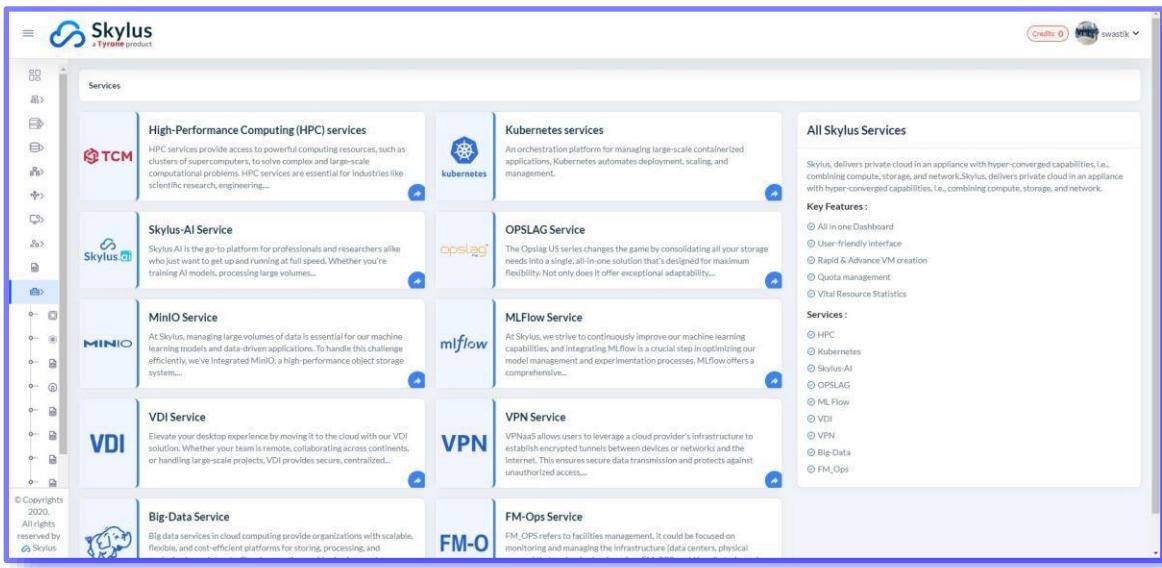
Description

Description

x CANCEL + Create

Services

Shows all the services that we provide, if we click on individual Services, it will land on the respective services and give you option to launch it, edit it and modify according to your needs.



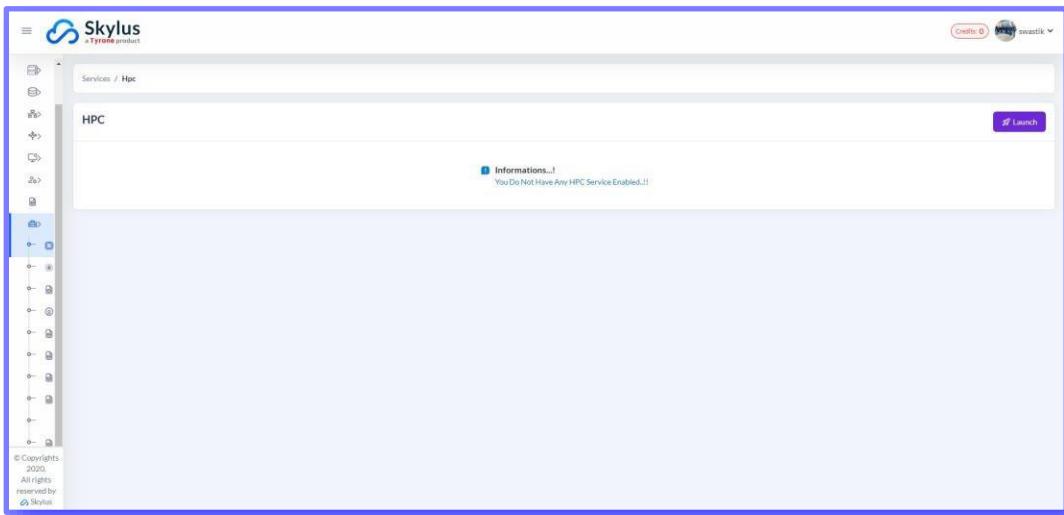
The screenshot displays the Skylum Services interface. On the left, there's a sidebar with icons for navigation and a copyright notice: "© Copyrights 2020. All rights reserved by Skylum". The main area is titled "Services" and contains several service cards:

- High-Performance Computing (HPC) services**: HPC services provide access to powerful computing resources, such as clusters of supercomputers, to solve complex and large-scale computational problems. HPC services are essential for industries like scientific research, engineering,...
- Kubernetes services**: An orchestration platform for managing large-scale containerized applications, Kubernetes automates deployment, scaling, and management.
- All Skylum Services**: A summary section stating that Skylum delivers private cloud in an appliance with hyper-converged capabilities, i.e., combining compute, storage, and network. It also lists "Key Features" and "Services".
- OPSLAG Service**: The Opslag US series changes the game by consolidating all your storage needs into a single, all-in-one solution that's designed for maximum flexibility. Not only does it offer exceptional adaptability,...
- MLFlow Service**: At Skylum, we strive to continuously improve our machine learning capabilities, and integrating MLflow is a crucial step in optimizing our model management and experimentation processes. MLflow offers a comprehensive...
- VPN Service**: VPNaas allows users to leverage a cloud provider's infrastructure to establish encrypted tunnels between devices or networks and the Internet. This ensures secure data transmission and protects against unauthorized access...
- FM-Ops Service**: FM OPS refers to facilities management. It could be focused on monitoring and managing the infrastructure (data centers, physical

Services

HPC

Cluster Configuration (Example): This screen allows the user to create a new HPC (High-Performance Computing) cluster by providing a name for the cluster in the 'Cluster Name' field. The setup includes two main sections: 'Master Nodes' and 'Compute Nodes.' For each type of node, you can select the amount of RAM, Disk capacity, and Network settings required.



Master and Compute Nodes Configuration: This screen showcases a more detailed configuration for the Master and Compute nodes within the HPC cluster. Options for each node include selecting the required RAM size, Disk capacity, Network settings, and in some cases, GPU configurations. The configuration is designed to give flexibility in defining resources for different nodes in a high-performance computing environment.

The screenshot shows the 'LAUNCH HPC' application window. At the top, there are two radio buttons: 'Launch Cloud' (selected) and 'Launch Baremetal'. Below this, a blue header bar says 'launch on Cloud'. The main configuration area is divided into two sections: 'Master Nodes' and 'Compute Nodes', each with a minus sign icon to collapse the section.

Master Nodes Section:

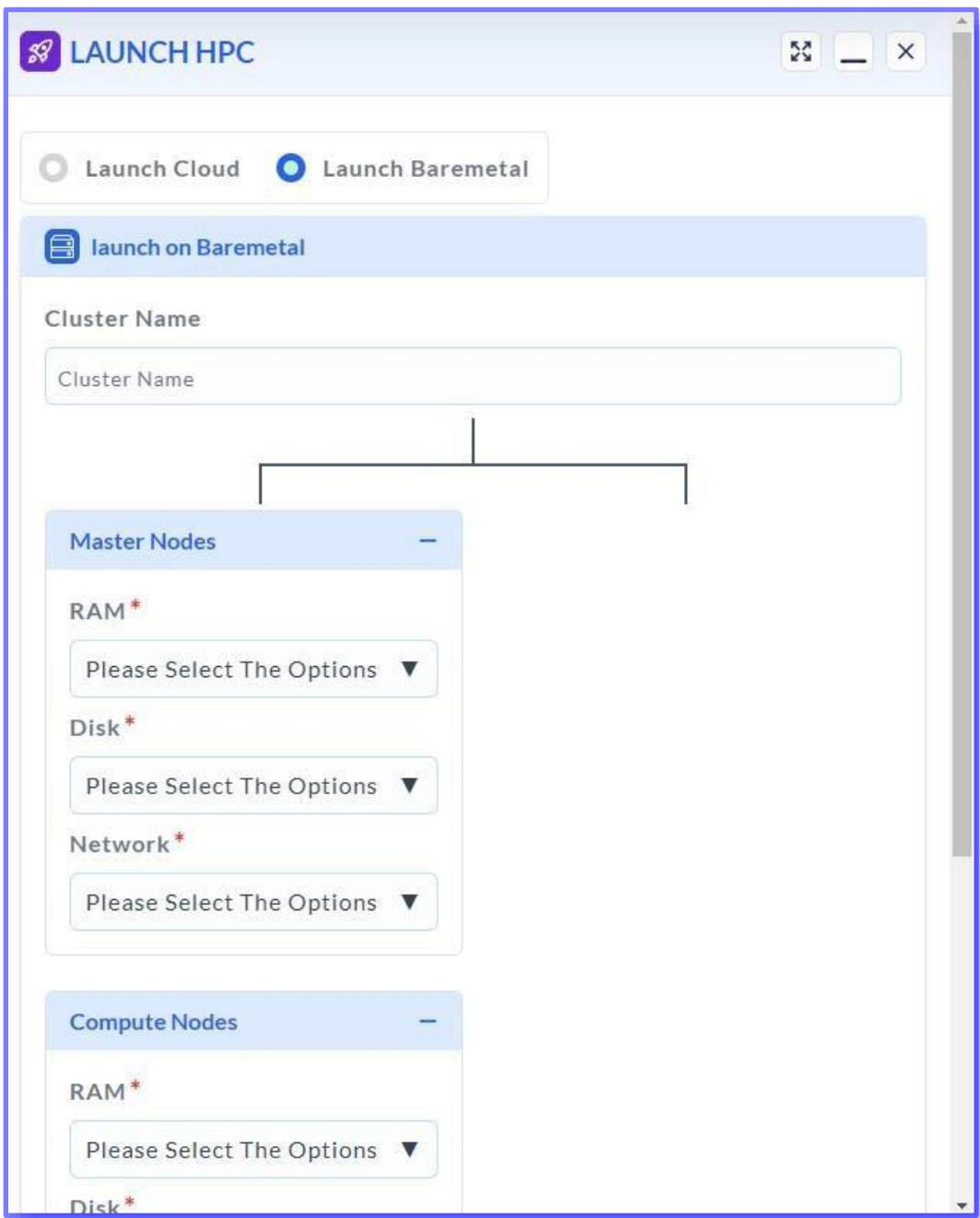
- Master Node Image ***: A dropdown menu labeled 'Please Select The Options ▼'.
- Machine Type ***: A selection group with four options: CPU (selected), GPU, Memory, and All. The 'All' option is highlighted with a blue border.
- Please Select The Options**: A dropdown menu.

Compute Nodes Section:

- Compute Node Image ***: A dropdown menu labeled 'Please Select The Options ▼'.
- Internal Network ***: A dropdown menu labeled 'Please Select The Options ▼'.
- Machine Type ***: A selection group with four options: CPU, GPU, Memory, and All. The 'All' option is highlighted with a blue border.
- Please Select The Options**: A dropdown menu.
- Node Count**: A dropdown menu.

At the top left of the configuration area, there is a 'Cluster Name *' input field and a 'Keypair *' dropdown menu labeled 'Please Select The Options ▼'.

Launch HPC - Cloud or Baremetal Options: The user has the choice to launch the HPC cluster on either a cloud infrastructure or a bare-metal server setup. Selecting 'Launch Cloud' or 'Launch Baremetal' adjusts the configuration options accordingly. This is useful for organizations that may want to run HPC workloads either in the cloud for flexibility or on bare-metal for performance consistency.



HPC Cluster Network Selection: When setting up an HPC cluster, it's crucial to define the HPC Cluster Network. The options are presented in a dropdown, allowing users to select from pre-configured network types. This ensures that the HPC resources are connected to the correct network, which is essential for both security and performance.

The screenshot shows a software window titled "LAUNCH HPC". At the top, there are two radio button options: "Launch Cloud" (selected) and "Launch Baremetal". Below this is a section titled "launch on Cloud".

HPC Cluster Network *

Please Select The Options

Search HPC Cluster Network

- ext-net-pub
- ext-net-vdi
- ext-net

Master Node Image *

Please Select The Options ▼

Machine Type *

CPU GPU Memory All

Please Select The Options ▼

Compute Node Image *

Please Select The Options ▼

Internal Network *

Please Select The Options ▼

Machine Type *

CPU GPU Memory All

Please Select The Options ▼

Node Count

Keypair Selection for Secure Access: In this screen, the user selects a keypair from a dropdown list. Keypairs are used to securely access the HPC nodes, especially in cloud environments, by authenticating the user or application that will access the cluster. This step ensures that the setup is secure and that only authorized users can manage the nodes.

The screenshot shows the 'LAUNCH HPC' interface with the following details:

- Launch Options:** 'Launch Cloud' (selected) and 'Launch Baremetal'.
- Launch Method:** 'launch on Cloud'.
- HPC Cluster Network ***: A dropdown menu labeled 'Please Select The Options'.
- Cluster Name ***: A dropdown menu labeled 'Please Select The Options'.
- Keypair ***: A dropdown menu labeled 'Please Select The Options'.
- Search Keypair**: A search bar below the Keypair dropdown.
- Master Nodes** section:
 - Master Node Image ***: A dropdown menu labeled 'Please Select The Options'.
 - Machine Type ***: A selection group with icons for CPU, GPU, Memory, and All. The 'All' icon is highlighted.
 - Please Select The Options**: A dropdown menu below the machine type selection.
- Compute Nodes** section:
 - Compute Node Image ***: A dropdown menu labeled 'Please Select The Options'.
 - Internal Network ***: A dropdown menu labeled 'Please Select The Options'.
 - Machine Type ***: A selection group with icons for CPU, GPU, Memory, and All. The 'All' icon is highlighted.
 - Please Select The Options**: A dropdown menu below the machine type selection.
 - Node Count**: A text input field.

Master Node Image and Machine Type Selection: The 'Master Node Image' dropdown allows users to select a specific OS or image to run on the Master nodes, essential for compatibility and performance optimization. 'Machine Type' lets users choose between CPU, GPU, and memory-focused setups, depending on the computational needs of the cluster. This flexibility is essential for HPC applications that may vary in resource requirements based on workload type.

The screenshot shows the 'LAUNCH HPC' application window. At the top, there are two radio buttons: 'Launch Cloud' (selected) and 'Launch Baremetal'. Below this, a section labeled 'launch on Cloud' contains an 'HPC Cluster Network' dropdown set to 'Please Select The Options'. To its right are 'Cluster Name*' and 'Keypair*' fields, both with dropdown menus. A vertical line connects the 'Cluster Name*' field to a 'Master Nodes' panel and the 'Keypair*' field to a 'Compute Nodes' panel. The 'Master Nodes' panel includes a 'Master Node Image*' dropdown ('Please Select The Options'), a 'Search Master Node Image' input field containing 'tcm-master-v1.1.0-build13', and a list of other build versions: 'tcm-master-v1.1.0-build12', 'tcm-master-v1.1.0-build11', 'tcm-master-v1.1.0-build10', and 'tcm-master-v1.1.0-build9'. The 'Compute Nodes' panel includes a 'Compute Node Image*' dropdown ('Please Select The Options'), an 'Internal Network*' dropdown ('Please Select The Options'), a 'Machine Type*' section with four radio buttons for 'CPU', 'GPU', 'Memory', and 'All', and a 'Node Count' dropdown ('Please Select The Options').

Compute Node Image Selection: Similar to the master nodes, this screen allows users to select the OS or image for compute nodes. This setup lets organizations standardize the environment across nodes while customizing specific resources as needed.

The screenshot shows a user interface for launching compute nodes. At the top, there's a header with a cloud icon and the text "launch on Cloud". Below it, a section titled "HPC Cluster Network *" contains a dropdown menu labeled "Please Select The Options". To the right of this are two fields: "Cluster Name *" and "Keypair *". A line connects the "Cluster Name" field to a section titled "Master Nodes" and another line connects the "Keypair" field to a section titled "Compute Nodes".

Master Nodes

- Master Node Image ***: A dropdown menu labeled "Please Select The Options" with a downward arrow.
- Machine Type ***: A dropdown menu labeled "Please Select The Options" with a downward arrow. It includes icons for CPU, GPU, Memory, and All.
- Please Select The Options**: A dropdown menu labeled "Please Select The Options" with a downward arrow.

Compute Nodes

- Compute Node Image ***: A dropdown menu labeled "Please Select The Options" with an upward arrow. It includes a search bar labeled "Search Compute Node Image" and a list of three options: "tcm-compute-v1.1.0-build11", "tcm-compute-v1.1.0-build10", and "tcm-compute-v1.1.0-build9".
- Please Select The Options**: A dropdown menu labeled "Please Select The Options" with a downward arrow.
- Node Count**: A dropdown menu containing the number "1".

At the bottom right are two buttons: a red "Cancel" button with a white "X" icon and a purple "Launch" button with a white rocket ship icon.

Internal Network Selection for Compute Nodes: Compute nodes need to communicate with each other efficiently, which is where the internal network comes in. Users can select the desired internal network to ensure proper connectivity within the cluster, which is crucial for job distribution and data sharing.

The screenshot shows a user interface for configuring an HPC Cluster Network. At the top, there is a "Cluster Name" field and a "Keypair" dropdown. Below these, two main sections are visible: "Master Nodes" and "Compute Nodes".

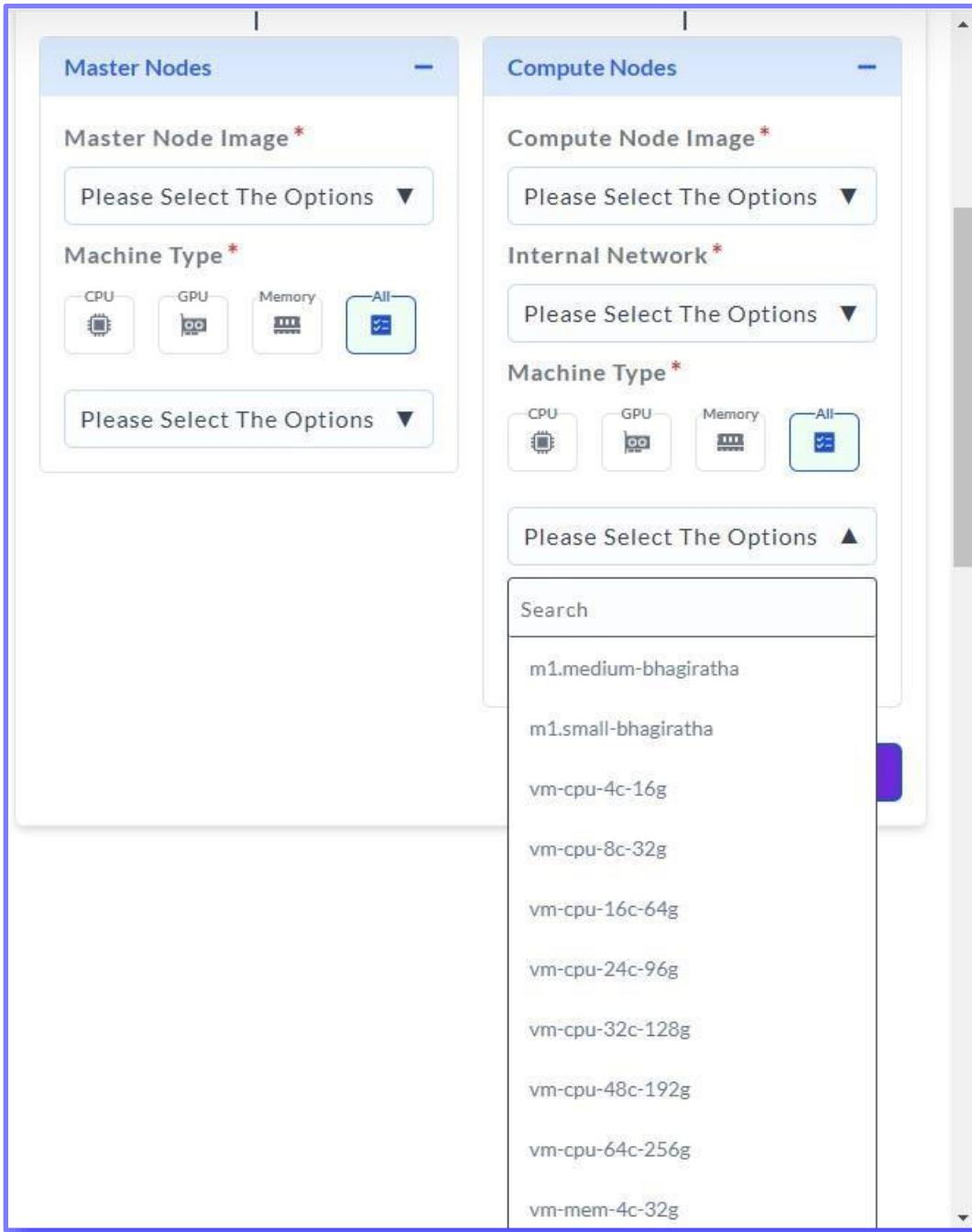
Master Nodes:

- "Master Node Image" dropdown: "Please Select The Options" ▼
- "Machine Type" section with four options: CPU, GPU, Memory, and All (selected). Below it is another "Please Select The Options" dropdown.

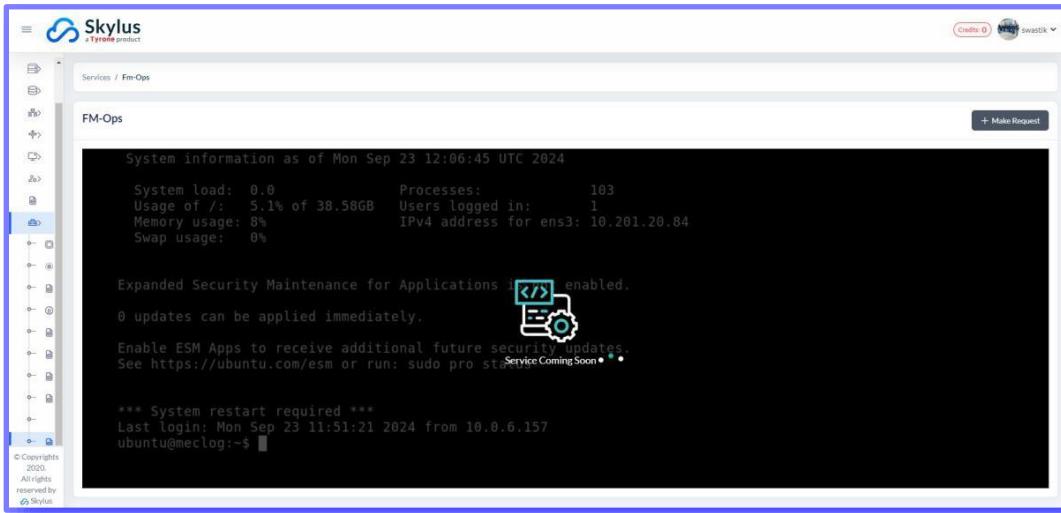
Compute Nodes:

- "Compute Node Image" dropdown: "Please Select The Options" ▼
- "Internal Network" dropdown: "Please Select The Options" ▲
- "Search Internal Network" dropdown containing the following options:
 - fw-lan
 - test-net
 - prod-fw-lan
 - int-net
 - pub-lan2
 - nnpub-lan3
 - mademioint-net
 - test

Compute Node Machine Type Selection: For compute nodes, users can select specific machine types based on CPU, GPU, and memory needs. This feature allows compute nodes to be optimized for either general-purpose tasks or specific HPC workloads requiring high GPU or memory capacity.



Service Launch Status for HPC: This image shows the current status of HPC services. A notification, 'You Do Not Have Any HPC Service Enabled,' indicates that no HPC clusters are active or running. The 'Launch' button on the right provides an option to initiate a new HPC service setup, which would open configuration screens like the ones above.



Launch HPC - Baremetal Configuration: This screen is specifically for setting up HPC on a bare-metal server. Similar configuration options are available for RAM, Disk, and Network settings. The bare-metal configuration is typically chosen for applications requiring dedicated resources and minimal latency.

The screenshot shows a configuration form for "Cluster Name" (Example). The form is divided into two main sections: "Master Nodes" and "Compute Nodes".

Master Nodes:

- RAM*: Please Select The Options
- Disk*: Please Select The Options
- Network*: Please Select The Options

Compute Nodes:

- RAM*: Please Select The Options
- Disk*: Please Select The Options
- Network*: Please Select The Options
- GPU*: Please Select The Options

At the bottom right are "Cancel" and "Make Request" buttons.

Disk and Network Selection for Master Nodes: This screen offers dropdowns for selecting disk and network configurations for master nodes. This customization enables the user to specify storage and network capabilities to meet workload requirements.

Cluster Name
Example

Master Nodes

RAM *
Please Select The Options

Disk *
Please Select The Options

Search Disk
100 GB
200 GB
300 GB

Compute Nodes

RAM *
Please Select The Options

Disk *
Please Select The Options

Network *
Please Select The Options

GPU *
Please Select The Options

Buttons: × Cancel | Make Request

RAM, Disk, and Network Options for Compute Nodes: Here, the focus is on the compute nodes, with options to select RAM, Disk, and Network configurations. Users can adjust each node's resource allocation to optimize for the specific processing tasks.

Cluster Name
Example

Master Nodes

RAM *
Please Select The Options

Disk *
Please Select The Options

Network *
Please Select The Options

Compute Nodes

RAM *
Please Select The Options

Disk *
Please Select The Options

Network *
Please Select The Options

Search Disk
100 GB
200 GB
300 GB

Buttons: × Cancel | Make Request

Kubernetes

Create Kubernetes - Launch Cloud

This screen allows the user to create a Kubernetes cluster on Skylus. The 'Launch Cloud' option enables the cluster to be deployed in a cloud environment. The user is required to provide the cluster name and select a key pair from the dropdown options. The 'Launch' button initiates the creation process, while 'Cancel' can be used to exit without changes.

The screenshot shows a modal dialog box titled '+ CREATE K8s'. At the top, there are two radio buttons: 'Launch Cloud' (selected) and 'Launch Baremetal'. Below this, a section labeled 'Launch Cloud' contains fields for 'Name*' (with placeholder 'Example') and 'Keypair*' (with placeholder 'Please Select The Options'). At the bottom right of the dialog are two buttons: a red 'Cancel' button and a purple 'Launch' button.

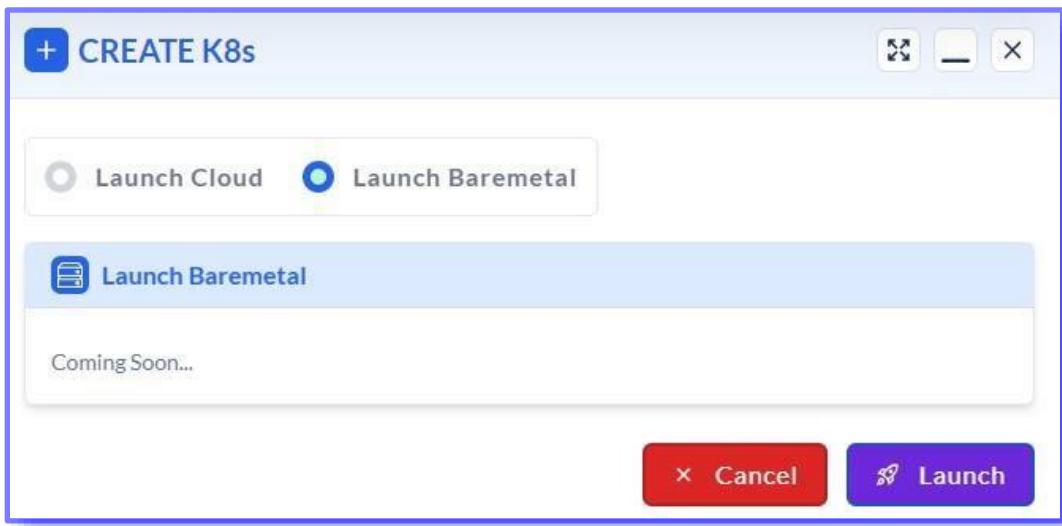
Create Kubernetes - Keypair Selection

In this screen, the user can select a specific key pair needed for cluster access. The dropdown provides available key pairs for secure access to the Kubernetes cluster. Users can either search or scroll to select their preferred key pair before launching the cluster.

The screenshot shows a window titled '+ CREATE K8s'. At the top, there are two radio buttons: 'Launch Cloud' (selected) and 'Launch Baremetal'. Below this, a section labeled 'Launch Cloud' contains fields for 'Name*' (with 'Example' as the placeholder) and 'Keypair*' (with a dropdown menu showing 'Please Select The Options'). A search bar labeled 'Search Keypair' is also present. At the bottom right are 'Cancel' and 'Launch' buttons.

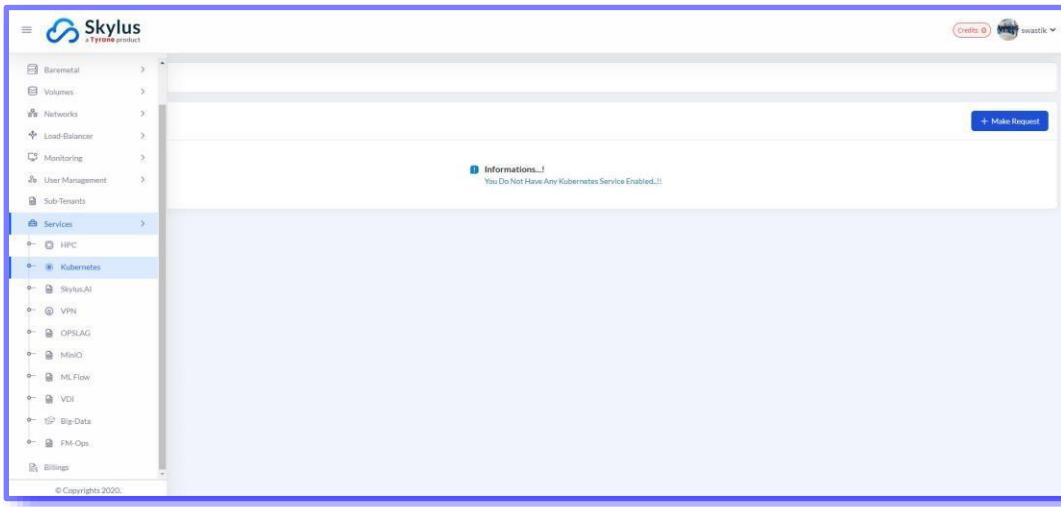
Create Kubernetes - Launch Baremetal

The 'Launch Baremetal' option enables users to deploy Kubernetes on bare-metal servers rather than on cloud infrastructure. This option is currently under development, as indicated by the 'Coming Soon' message on the screen.



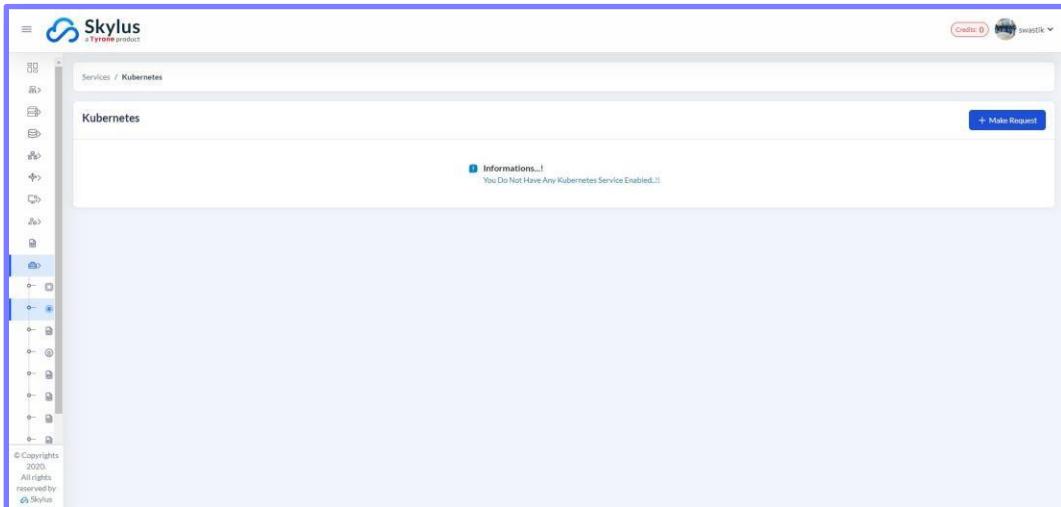
Kubernetes Service Overview

This section of the interface provides an overview of the Kubernetes service within Skylus. Currently, the user does not have any Kubernetes services enabled, as indicated by the message. The 'Make Request' button allows users to request a Kubernetes service to be enabled.



Kubernetes Service Information

In this view, further details about Kubernetes services can be displayed once enabled. This screen provides additional configurations and options related to Kubernetes clusters. Users can monitor and manage Kubernetes services effectively from this section.

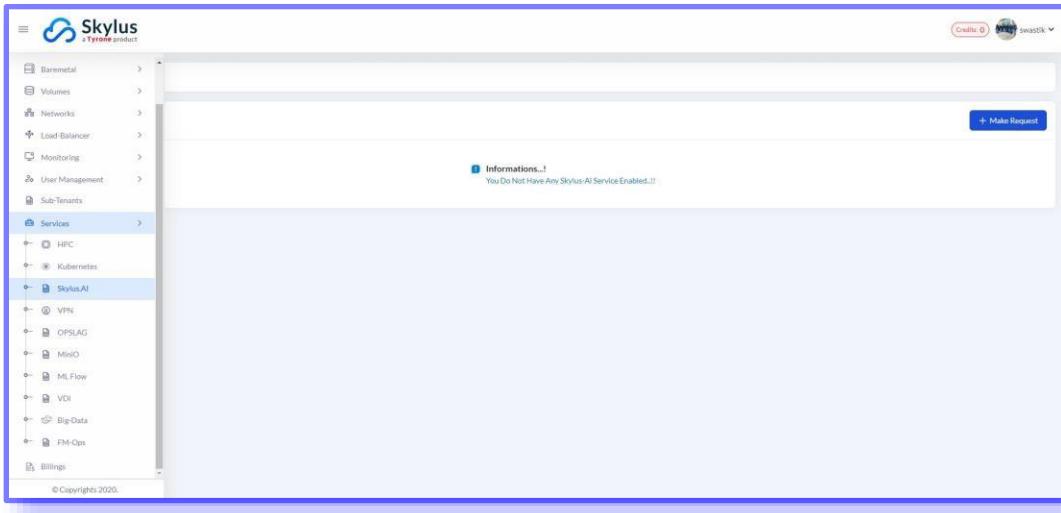


Skylus.AI

This guide provides a step-by-step walkthrough for setting up the Skylus.AI service within the Skylus platform. Follow these instructions to create and configure the Skylus.AI service with your preferred settings.

Skylus.AI Service Overview

The Skylus.AI service dashboard provides an overview of the current status of the service. If no service is active, it will notify the user with an option to make a new request.



Skylus.AI Service Overview

Skylus.AI Service Request Form

This form allows users to configure a new Skylus.AI service request. Users can choose to launch the service on either Cloud or Baremetal infrastructure, and can configure fields such as Name, Keypair, Skylus.AI Images, Machine Type, and Network.

+ CREATE SkylusAi

Launch Cloud Launch Baremetal

Launch Cloud

Name *

Keypair *

Please Select The Options

Skylus.AI Images *

Please Select The Options

Machine Type *

Please Select The Options

Network *

Please Select The Options

Cancel **Launch**

Skylus.AI Service Request Form

Keypair Selection

Select a keypair from the dropdown to enable secure access to Skylus.AI. This ensures that only authorized users can manage the service.

CREATE SkylusAi

Launch Cloud Launch Baremetal

Launch Cloud

Name *

Keypair *

Please Select The Options

Search Keypair

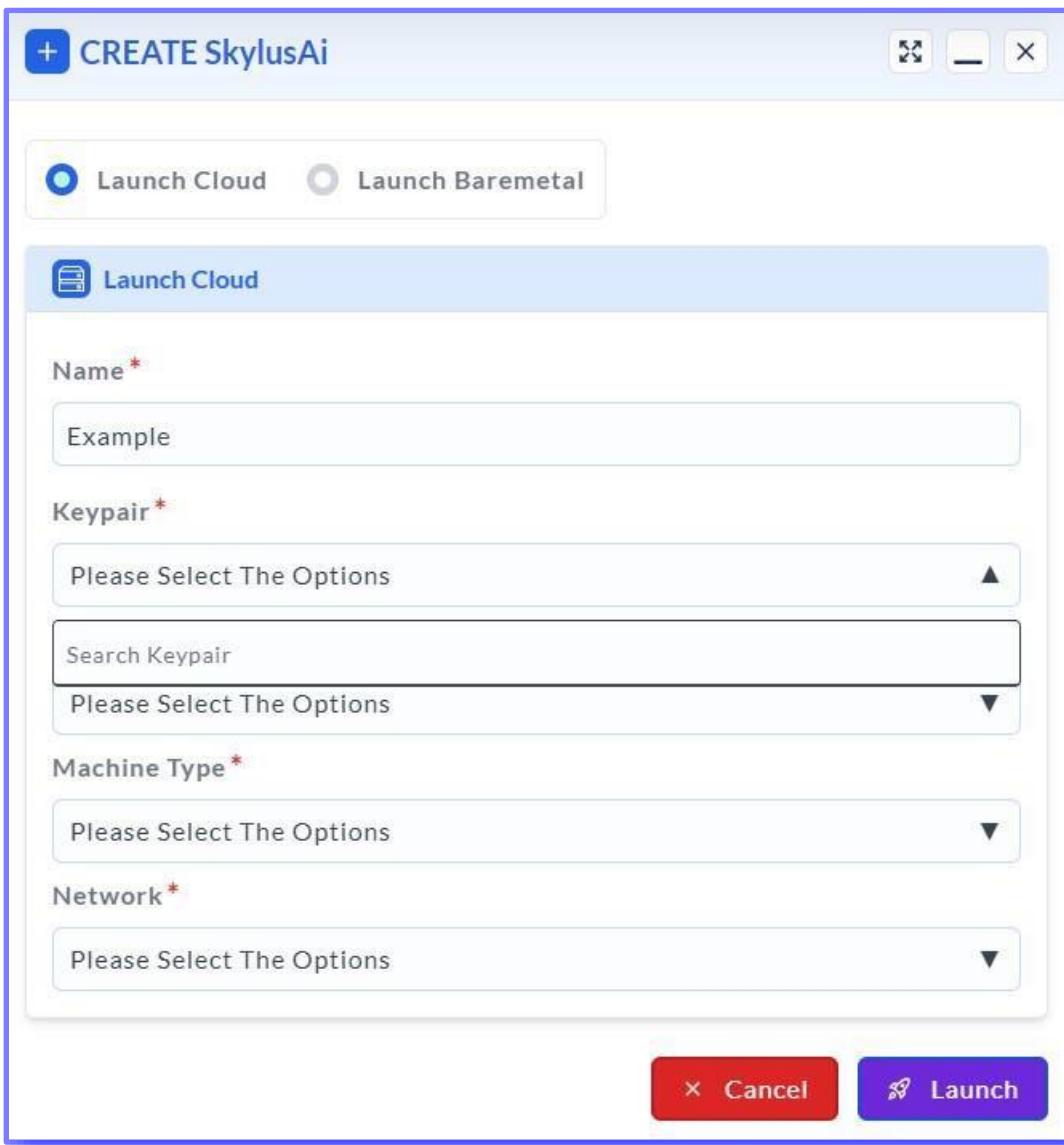
Please Select The Options

Machine Type *

Please Select The Options

Network *

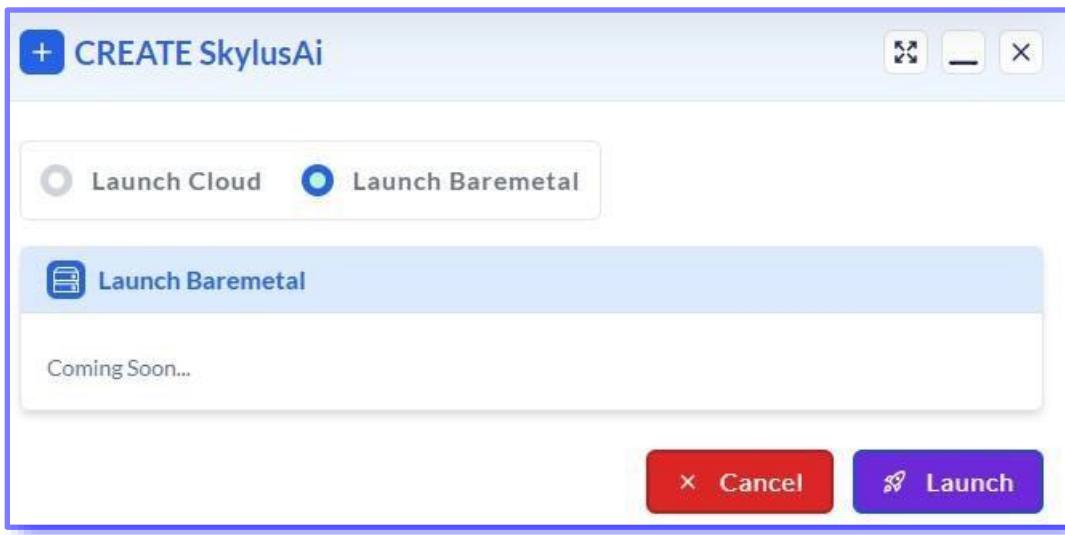
Please Select The Options



Keypair Selection

Launch on Baremetal

For users opting for a Baremetal setup, this configuration option allows for dedicated resources and optimized performance. The Baremetal option is currently marked as 'Coming Soon'.



Launch on Baremetal

Machine Type Selection

The machine type dropdown allows the user to specify computational resources for Skylus.AI. Options range from small to large configurations depending on workload requirements.

The screenshot shows a software window titled "CREATE SkylusAI". At the top, there are two radio button options: "Launch Cloud" (selected) and "Launch Baremetal". Below this, under the "Launch Cloud" tab, there are several configuration fields:

- Name ***: A text input field containing "Example".
- Keypair ***: A dropdown menu labeled "Please Select The Options".
- Skylus.AI Images ***: A dropdown menu labeled "Please Select The Options".
- Machine Type ***: A dropdown menu labeled "Please Select The Options".

Below the dropdown menu is a search bar labeled "Search Machine Type". A list of machine types is displayed in a scrollable dropdown:

- m1.medium-bhagiratha
- m1.small-bhagiratha
- vm-cpu-4c-16g
- vm-cpu-8c-32g
- vm-cpu-16c-64g
- vm-cpu-24c-96g

Machine Type Selection

Network Selection

Select the network for Skylus.AI from the available options to ensure that the resources are connected properly and securely.

+ CREATE SkylusAi

Launch Cloud Launch Baremetal

Launch Cloud

Name*
Example

Keypair*
Please Select The Options

Skylus.AI Images*
Please Select The Options

Machine Type*
Please Select The Options

Network*
Please Select The Options

Search Network

ext-net-pub
ext-net-vdi
ext-net

Network Selection

Skylus.AI Images Selection

Choose an image for Skylus.AI from the dropdown. Selecting the correct image ensures compatibility and performance for specific tasks.

+ CREATE SkylusAi

Launch Cloud Launch Baremetal

Launch Cloud

Name *

Keypair *

Please Select The Options ▼

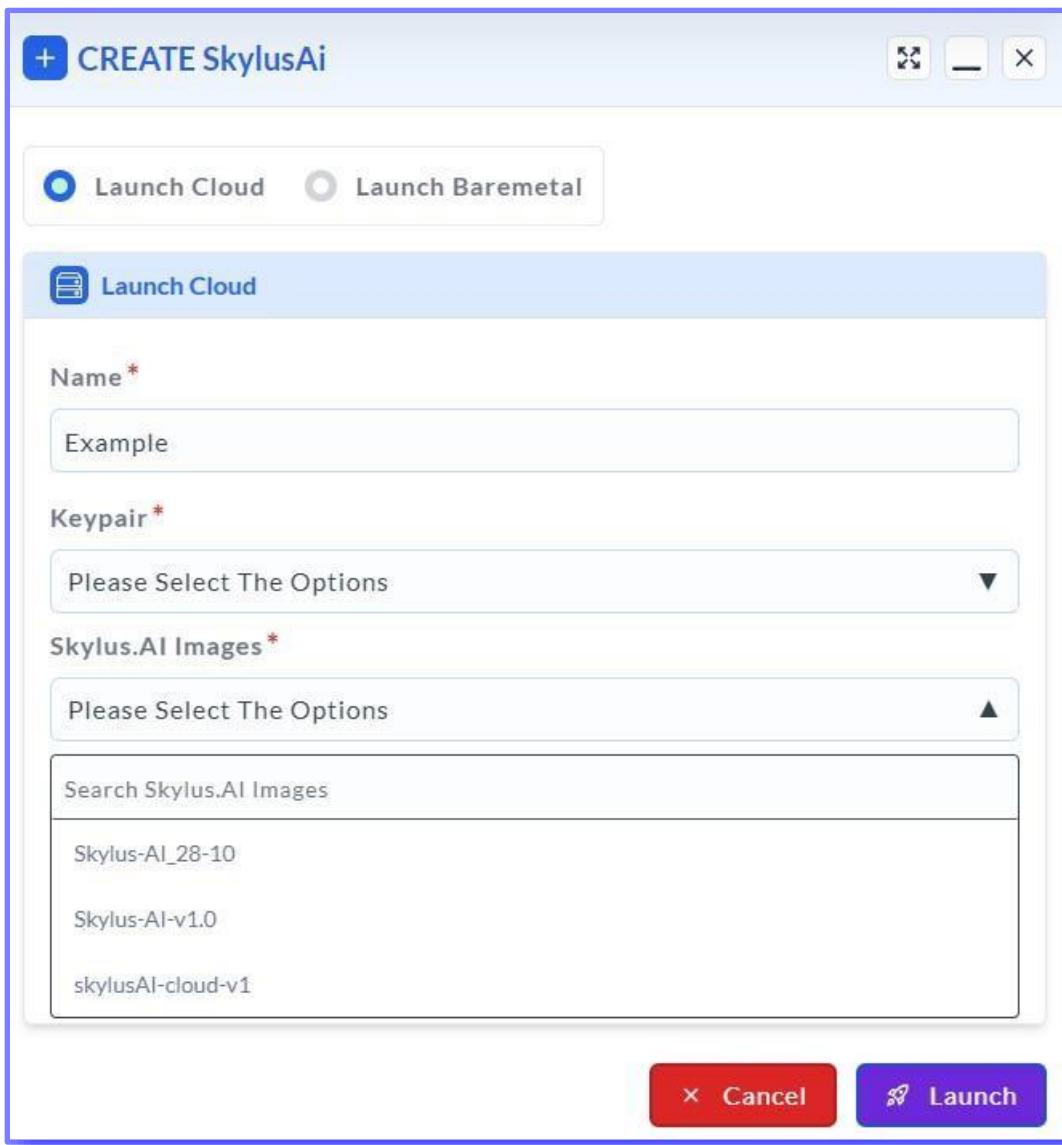
Skylus.AI Images *

Please Select The Options ▲

Search Skylus.AI Images

Skylus-AI_28-10
Skylus-AI-v1.0
skylusAI-cloud-v1

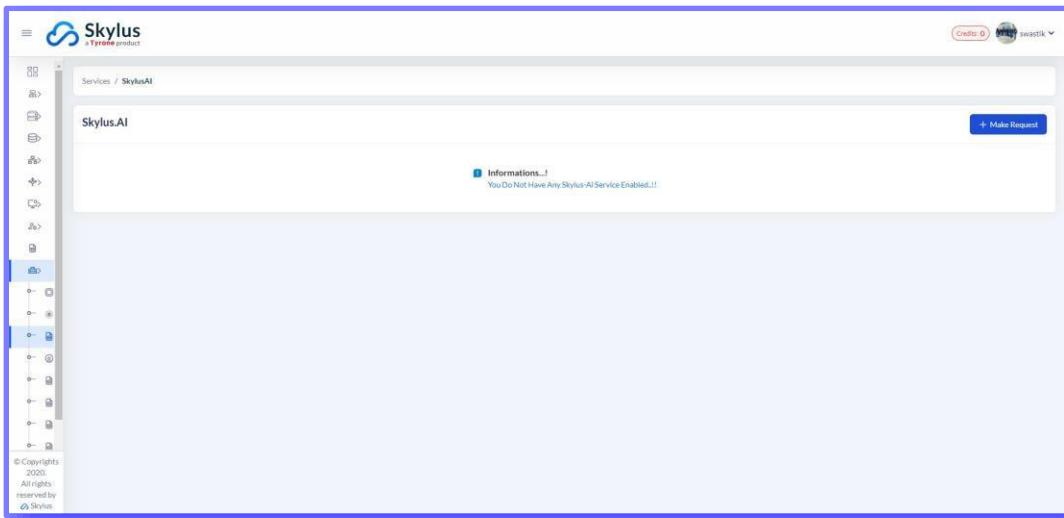
Cancel **Launch**



Skylus.AI Images Selection

Skylus.AI Service Status

The service status screen displays whether any Skylus.AI services are currently enabled. If not, the user is prompted to initiate a new service request.



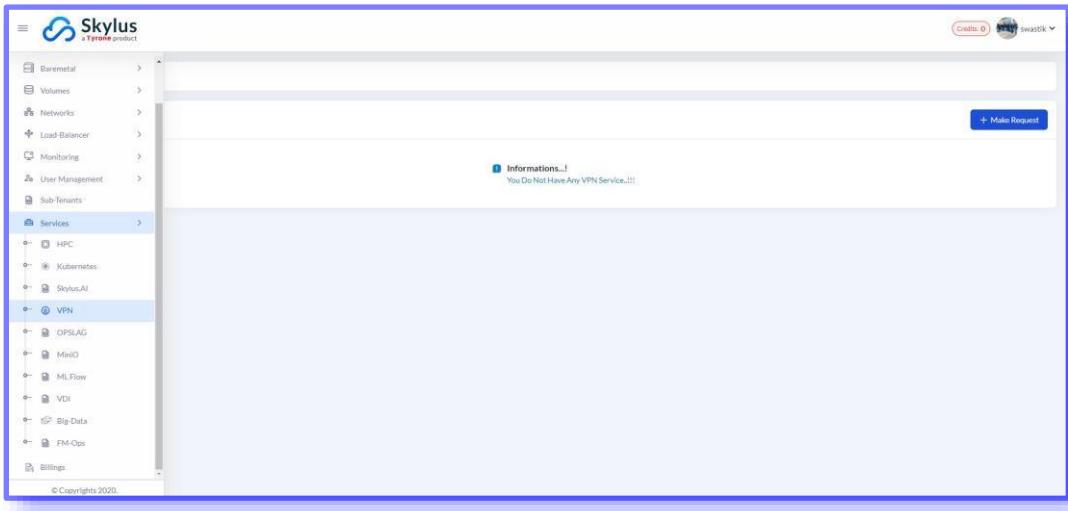
Skylus.AI Service Status

VPN

This guide provides instructions to set up the VPN service on the Skylus platform. It includes configuration steps and images to assist users in establishing a VPN connection.

VPN Service Overview

The VPN service dashboard displays the current status of VPN services. If no service is active, it will notify the user with an option to create a new VPN service request.



VPN Service Overview

VPN Service Request Form

The VPN Service Request form allows users to create a VPN service on Cloud or Baremetal infrastructure. Users can configure fields like Name, Keypair, VPN Service Image, Machine Type, and Network options.

+ CREATE VPN

Launch Cloud Launch Baremetal

Launch Cloud

Name *

Keypair *

VPN Service Image *

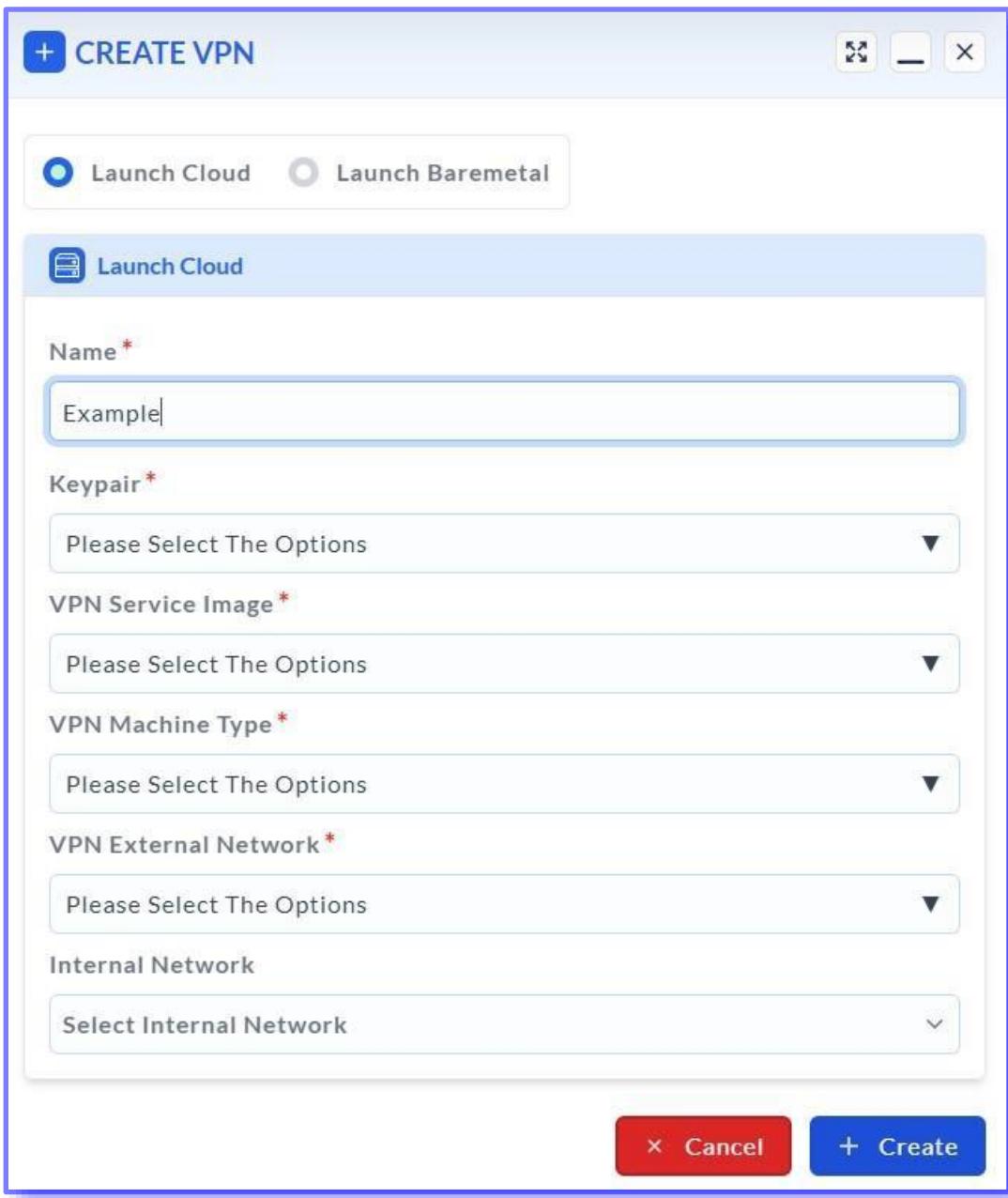
VPN Machine Type *

VPN External Network *

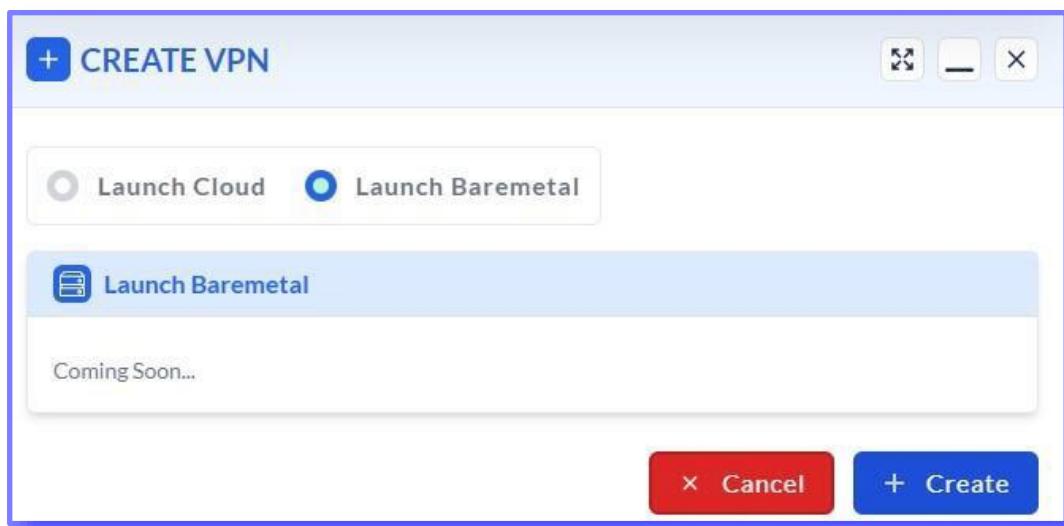
Internal Network

Select Internal Network

x Cancel **+ Create**



VPN Service Request - Cloud Launch Option



VPN Service Request - Baremetal Launch Option

Keypair Selection

Users must select a keypair for secure access to the VPN service, ensuring that only authorized personnel can access the network.

+ CREATE VPN

Launch Cloud Launch Baremetal

Launch Cloud

Name *

Keypair *

Please Select The Options

Search Keypair

Please Select The Options

VPN Machine Type *

Please Select The Options

VPN External Network *

Please Select The Options

Internal Network

Select Internal Network

x Cancel **+ Create**

Keypair Selection

VPN Machine Type Selection

The Machine Type selection lets users specify computational resources for the VPN service, with options from basic to advanced configurations depending on the performance requirements.

CREATE VPN

Launch Cloud Launch Baremetal

Launch Cloud

Name *

Keypair *

Please Select The Options

VPN Service Image *

Please Select The Options

VPN Machine Type *

Please Select The Options

Search VPN Machine Type

- m1.medium-bhagiratha
- m1.small-bhagiratha
- vm-cpu-4c-16g
- vm-cpu-8c-32g
- vm-cpu-16c-64g
- vm-cpu-24c-96g

VPN Machine Type Selection

VPN Service Image Selection

This dropdown allows users to select the VPN Service Image, which is crucial for setting up the VPN environment.

The screenshot shows a 'CREATE VPN' dialog box with the 'Launch Cloud' tab selected. The interface includes the following fields:

- Name***: A text input field containing 'Example'.
- Keypair***: A dropdown menu labeled 'Please Select The Options'.
- VPN Service Image***: A dropdown menu labeled 'Please Select The Options'. Below it is a search bar labeled 'Search VPN Service Image' and a list of options:
 - img-ready-prod2vol2img
 - img-opn-prod-v1.1
- Internal Network**: A dropdown menu labeled 'Select Internal Network'.

At the bottom right are two buttons: a red 'Cancel' button and a blue 'Create' button.

VPN Service Image Selection

VPN External Network Selection

This setting allows users to select the external network for the VPN, ensuring proper external connectivity.

CREATE VPN

Launch Cloud Launch Baremetal

Launch Cloud

Name *

Keypair *

VPN Service Image *

VPN Machine Type *

VPN External Network *

Search VPN External Network:

- ext-net-pub
- ext-net-vdi
- ext-net

VPN External Network Selection

Internal Network Selection

For secure internal connectivity, users can choose an internal network from the available options, which helps in maintaining secure communication within the VPN.

The screenshot shows a modal dialog box titled "Please Select The Options". Inside, there are four dropdown menus labeled "VPN Service Image *", "VPN Machine Type *", "VPN External Network *", and "Internal Network". The "Internal Network" section contains a search bar "Search Internal Network" and a list of network names: fw-lan, test-net, prod-fw-lan, int-net, pub-lan2, nnpub-lan3, and mademi0int-net. At the bottom right of the dialog are two buttons: a red "Cancel" button and a blue "+ Create" button.

Please Select The Options

VPN Service Image *

Please Select The Options

VPN Machine Type *

Please Select The Options

VPN External Network *

Please Select The Options

Internal Network

Select Internal Network

Search Internal Network

fw-lan
test-net
prod-fw-lan
int-net
pub-lan2
nnpub-lan3
mademi0int-net

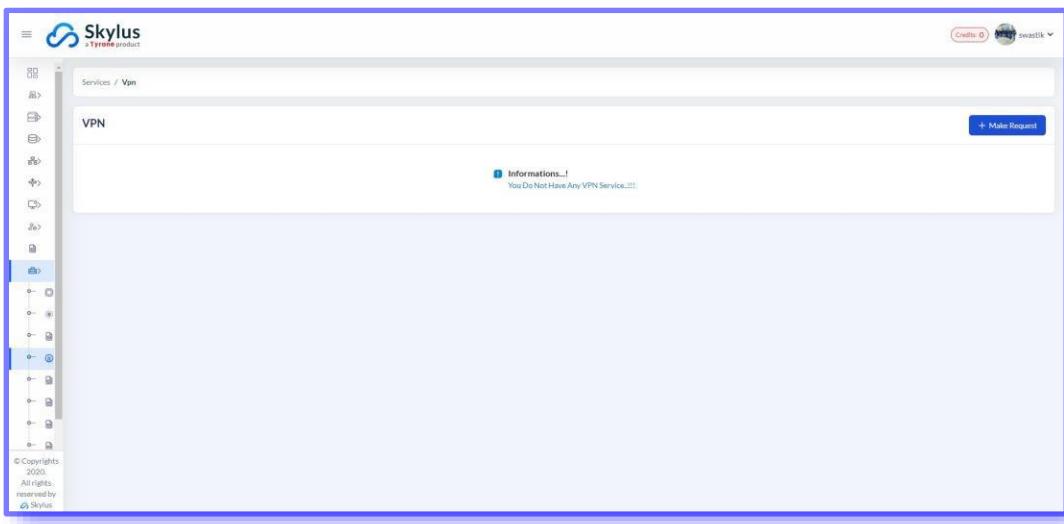
Cancel

+ Create

Internal Network Selection

VPN Service Status

The VPN Service Status screen displays if any VPN services are enabled. If not, it prompts the user to create a new VPN service request.



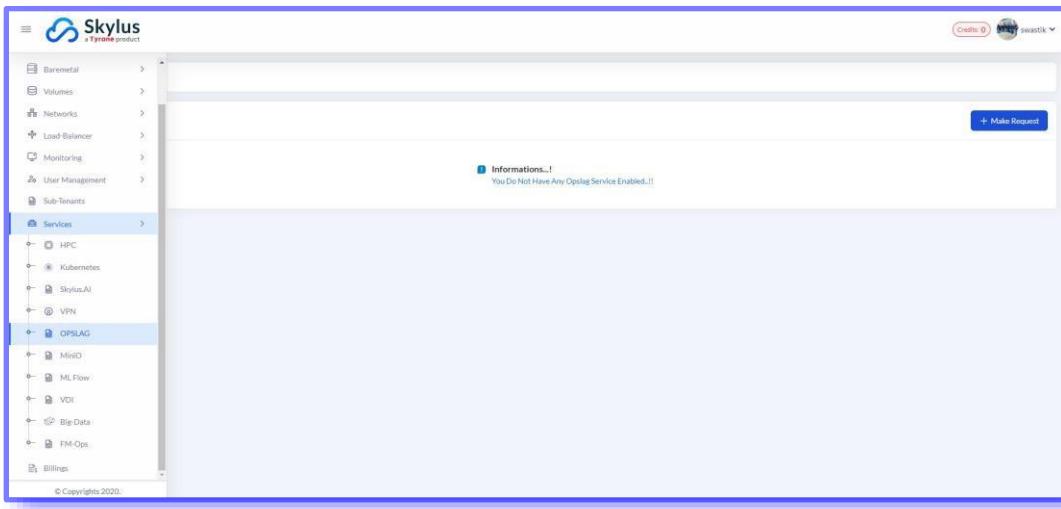
VPN Service Status

OPSLAG

This guide provides a comprehensive walkthrough for setting up the OPSLAG service within the Skylus platform. Each section includes images and descriptions to ensure you can follow the steps accurately.

OPSLAG Overview

This section shows the OPSLAG main service screen in Skylus. It informs the user if no OPSLAG service is enabled and provides an option to make a new request.



OPSLAG Service Overview

OPSLAG Service Request Form

This screen allows users to configure a new OPSLAG service request. The form provides options to launch the service on Cloud or Baremetal infrastructure. Required fields include Name, Keypair, Size, OPSLAG Images, Machine Type, and Network.

+ OPSLAG SERVICE REQUEST

Launch Cloud Launch Baremetal

Launch Cloud

Name *

Keypair *

Please Select The Options

Size (TB)

100

Opslag Images *

Please Select The Options

Machine Type *

Please Select The Options

Network *

Please Select The Options

X CANCEL **+ Make Request**

OPSLAG Service Request Form

OPSLAG Keypair Selection

Users must select a keypair for secure access to the OPSLAG service. This dropdown provides available keypairs to ensure only authorized access.

OPSAG SERVICE REQUEST

Launch Cloud Launch Baremetal

Launch Cloud

Name *

Keypair *

Please Select The Options

Search Keypair

100

Opslag Images *

Please Select The Options

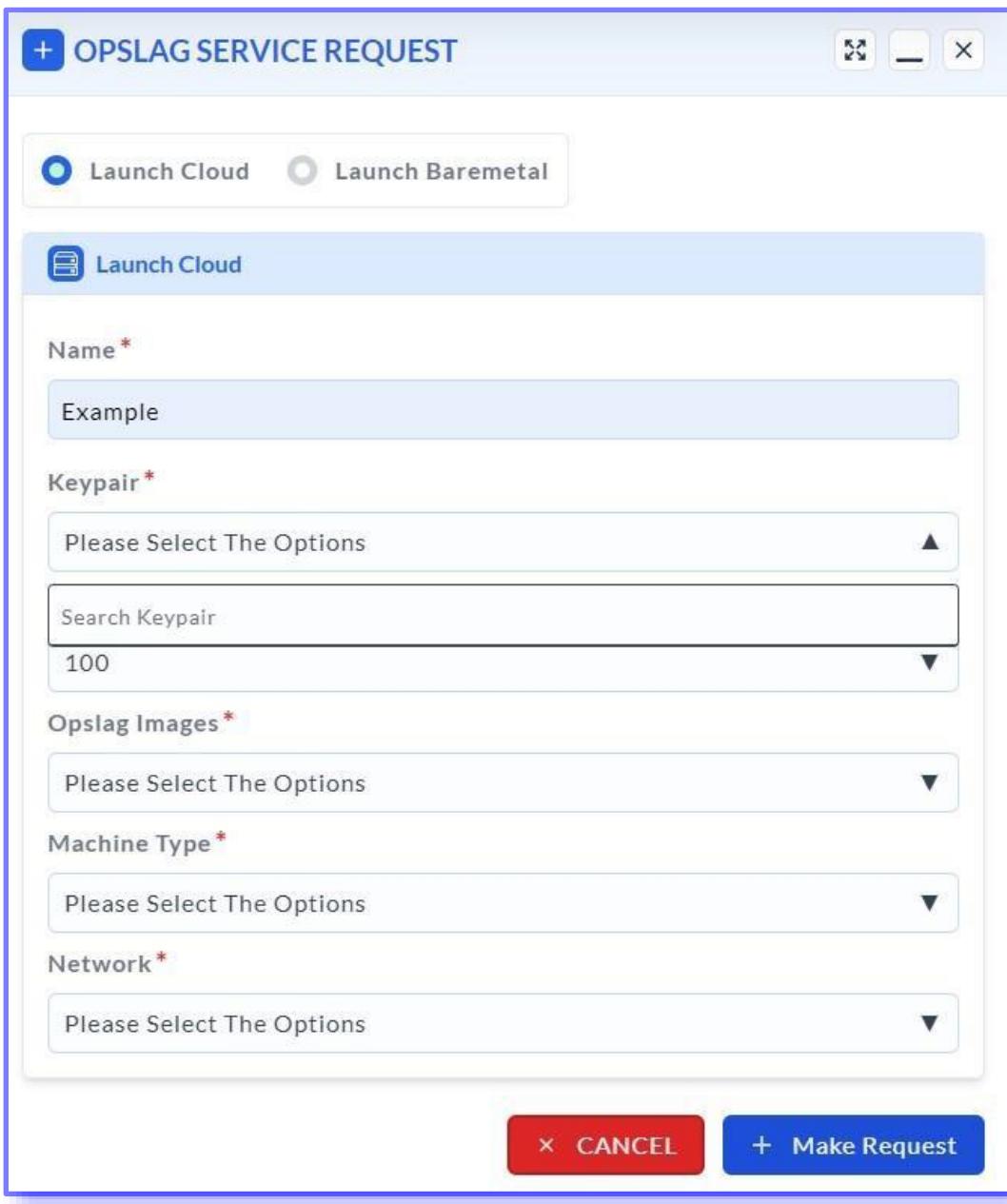
Machine Type *

Please Select The Options

Network *

Please Select The Options

CANCEL **Make Request**

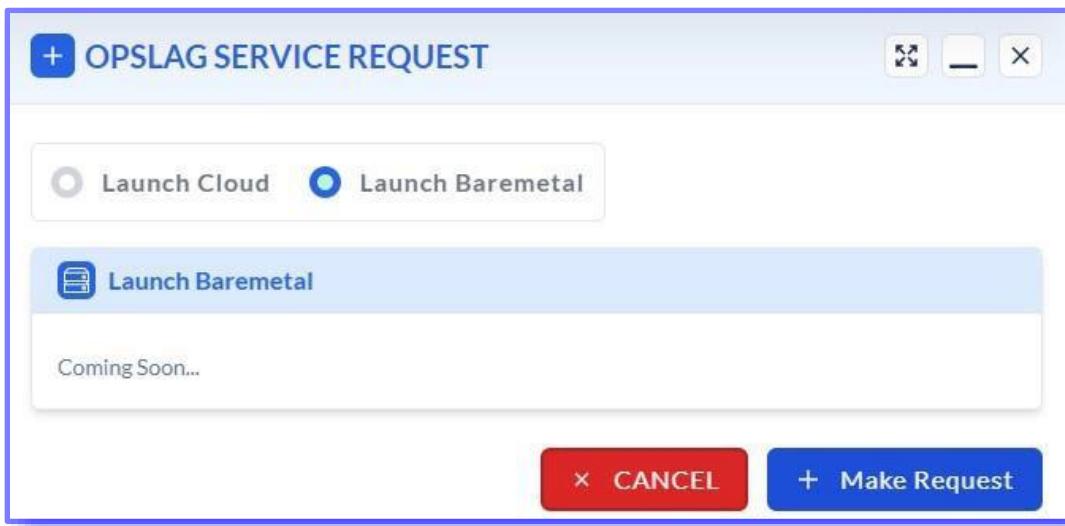


The screenshot shows a modal dialog box titled "OPSAG SERVICE REQUEST". At the top, there are two radio buttons: "Launch Cloud" (selected) and "Launch Baremetal". Below this, under the "Launch Cloud" tab, there are several dropdown menus and input fields. The "Name" field contains "Example". The "Keypair" dropdown menu has "Please Select The Options" at the top and "100" listed below it. The "Opslag Images" dropdown menu also has "Please Select The Options". The "Machine Type" and "Network" dropdown menus both have "Please Select The Options". At the bottom of the dialog are two buttons: a red "CANCEL" button and a blue "+ Make Request" button.

OPSLAG Keypair Selection

OPSLAG Launch on Baremetal

For users preferring a Baremetal setup, this screen offers configuration for dedicated resources, optimized for performance. Currently marked as 'Coming Soon.'



OPSLAG Launch on Baremetal

Machine Type Selection

The machine type dropdown enables users to specify the computational resources, such as CPU and memory, required for the OPSLAG service. This selection is crucial for optimizing workload performance.

The screenshot shows a software window titled "OPSLAG SERVICE REQUEST". At the top, there are two radio buttons: "Launch Cloud" (selected) and "Launch Baremetal". Below this, under the "Launch Cloud" tab, there are several input fields and dropdown menus:

- Name ***: A text input field containing "Example".
- Keypair ***: A dropdown menu labeled "Please Select The Options".
- Size (TB)**: A dropdown menu labeled "100".
- Opslag Images ***: A dropdown menu labeled "Please Select The Options".
- Machine Type ***: A dropdown menu labeled "Please Select The Options".

When the "Machine Type" dropdown is opened, a search bar at the top says "Search Machine Type". Below it is a list of four options:

- m1.medium-bhagiratha
- m1.small-bhagiratha
- vm-cpu-4c-16g
- vm-cpu-8c-32g

Machine Type Selection

Network Selection

This screen provides network options to ensure OPSLAG resources are connected to the appropriate network. Selecting the correct network ensures proper communication and security.

The screenshot shows a software interface for 'Network Selection'. At the top, there are two radio buttons: 'Launch Cloud' (selected) and 'Launch Baremetal'. Below this is a section titled 'Launch Cloud' with a file icon. The form contains several input fields and dropdown menus:

- Name ***: Text input field containing 'Example'.
- Keypair ***: Dropdown menu with the placeholder 'Please Select The Options'.
- Size (TB)**: Dropdown menu with the value '100'.
- Opslag Images ***: Dropdown menu with the placeholder 'Please Select The Options'.
- Machine Type ***: Dropdown menu with the placeholder 'Please Select The Options'.
- Network ***: Dropdown menu with the placeholder 'Please Select The Options'.

Below the dropdown menu for 'Network' is a search bar labeled 'Search Network' and a list of network options:

- ext-net-pub
- ext-net-vdi
- ext-net

Network Selection

OPSLAG Images Selection

Users can choose an image for the OPSLAG service. Selecting the appropriate image ensures compatibility and performance for the desired tasks.

+ OPSLAG SERVICE REQUEST

Launch Cloud Launch Baremetal

Launch Cloud

Name *****
Example

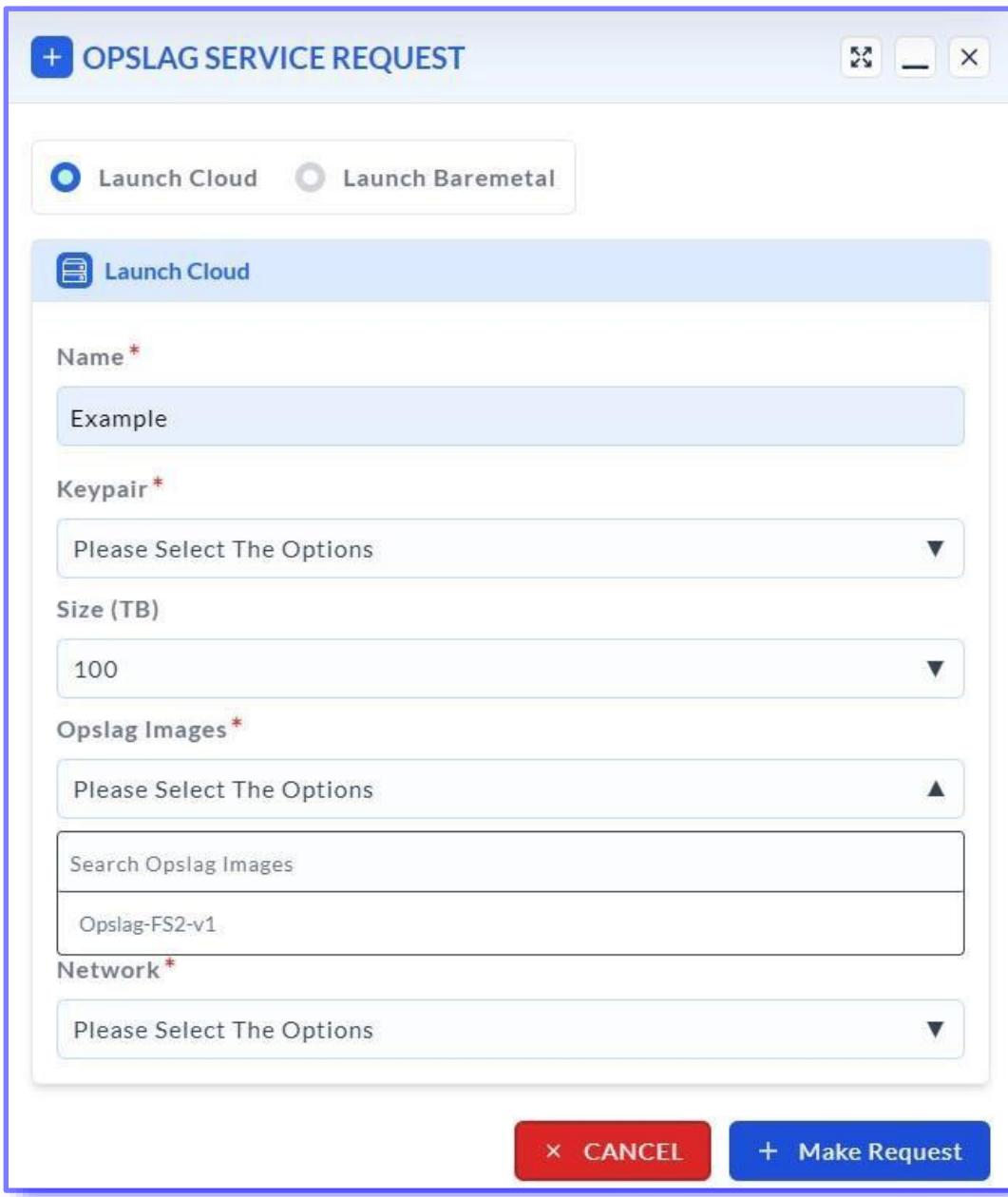
Keypair *****
Please Select The Options ▾

Size (TB)
100 ▾

Opslag Images *****
Please Select The Options ▲
Search Opslag Images
Opslag-FS2-v1

Network *****
Please Select The Options ▾

CANCEL **Make Request**



OPSLAG Images Selection

Size Selection (TB)

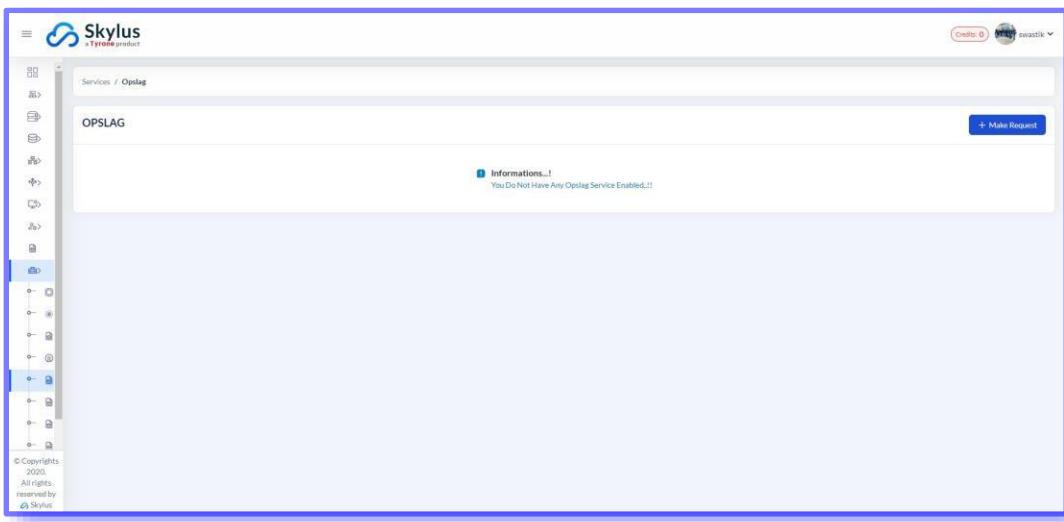
This field allows the user to specify the storage size for the OPSLAG service. Sizes can range from 50TB upwards, depending on the storage requirements.

The screenshot shows a modal dialog box titled "OPSLAG SERVICE REQUEST". At the top, there are two radio buttons: "Launch Cloud" (selected) and "Launch Baremetal". Below this, under "Launch Cloud", is a "Name*" input field containing "Example". Under "Keypair*", there is a dropdown menu with "Please Select The Options". In the "Size (TB)" section, the value "100" is selected in a dropdown menu. A "Search Size (TB)" input field contains the values "50", "100", "200", "300", and "500". At the bottom right are two buttons: "CANCEL" and "Make Request".

Size Selection (TB)

OPSLAG Service Status

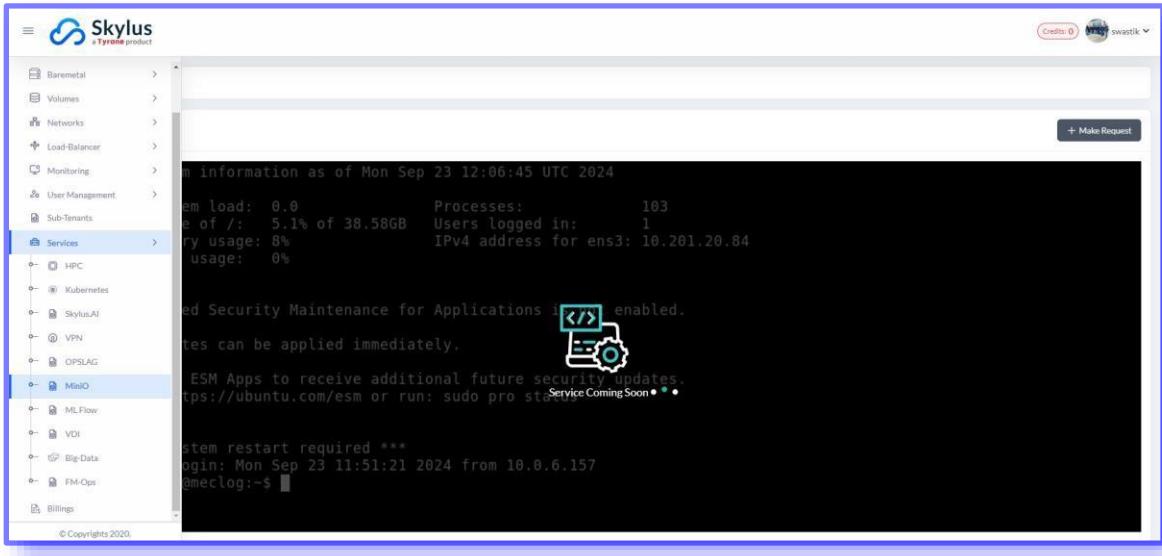
This screen provides an overview of the OPSLAG service status. It displays a message if no OPSLAG services are active and gives the user an option to initiate a new service request.



OPSLAG Service Status

MiniO

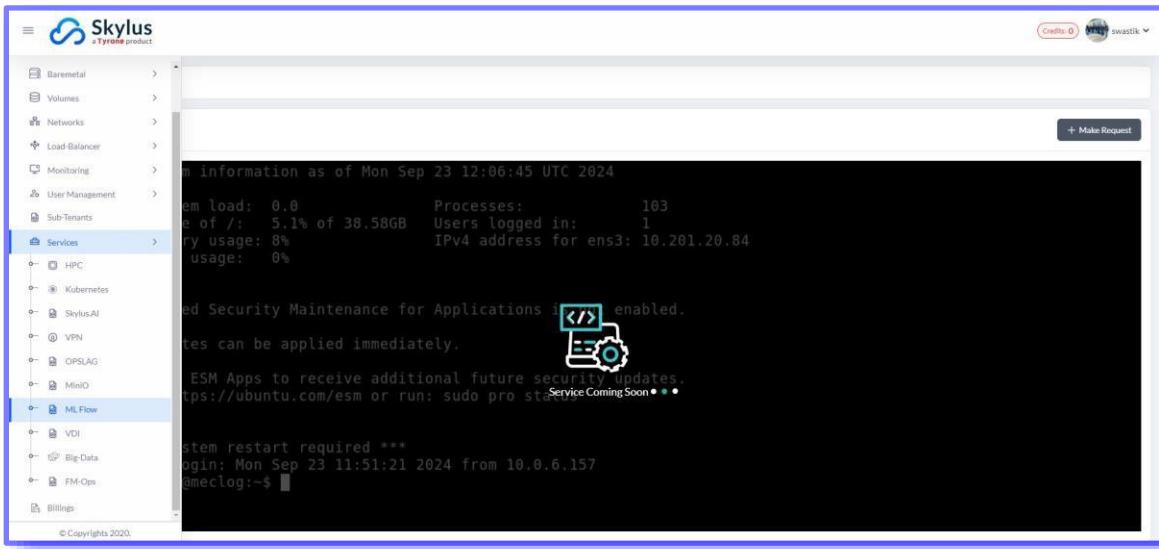
This feature is coming soon on our website, stay tuned for more information.



MiniO

ML Flow

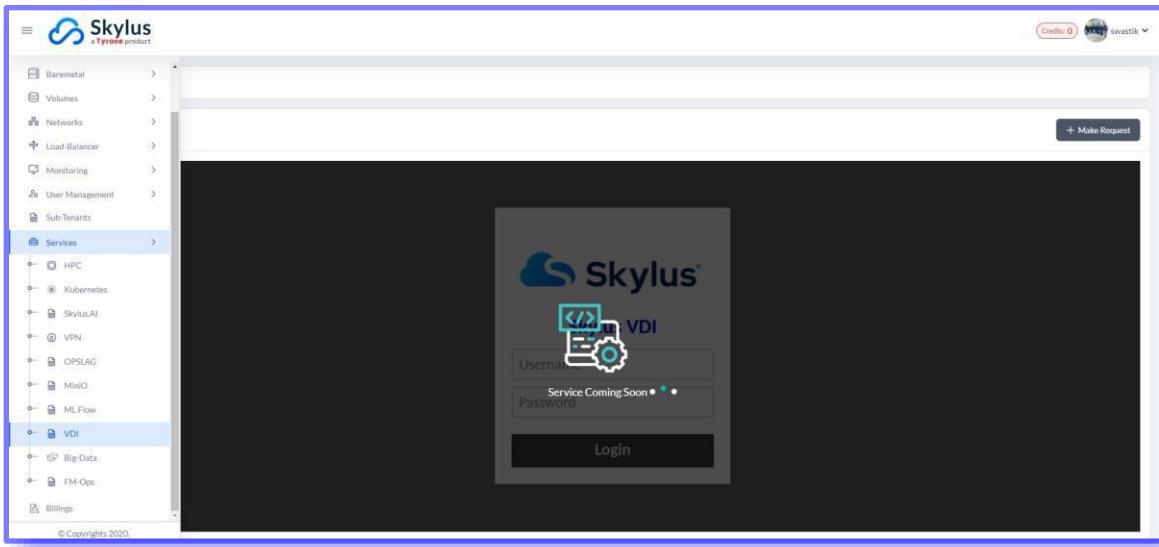
This feature is coming soon on our website, stay tuned for more information.



ML Flow

VDI

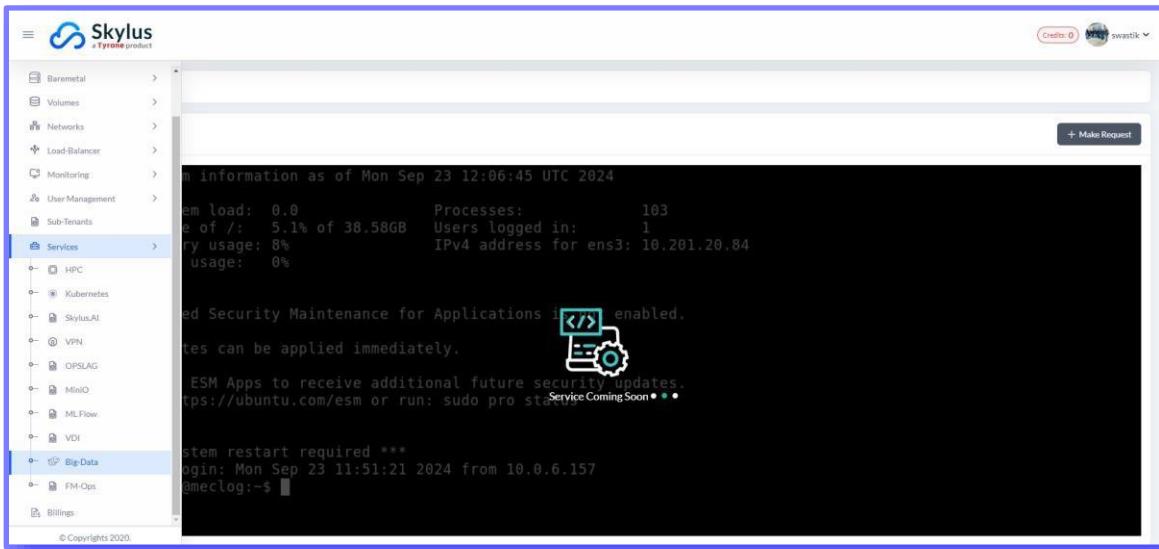
This feature is coming soon on our website, stay tuned for more information.



VDI

Big-Data

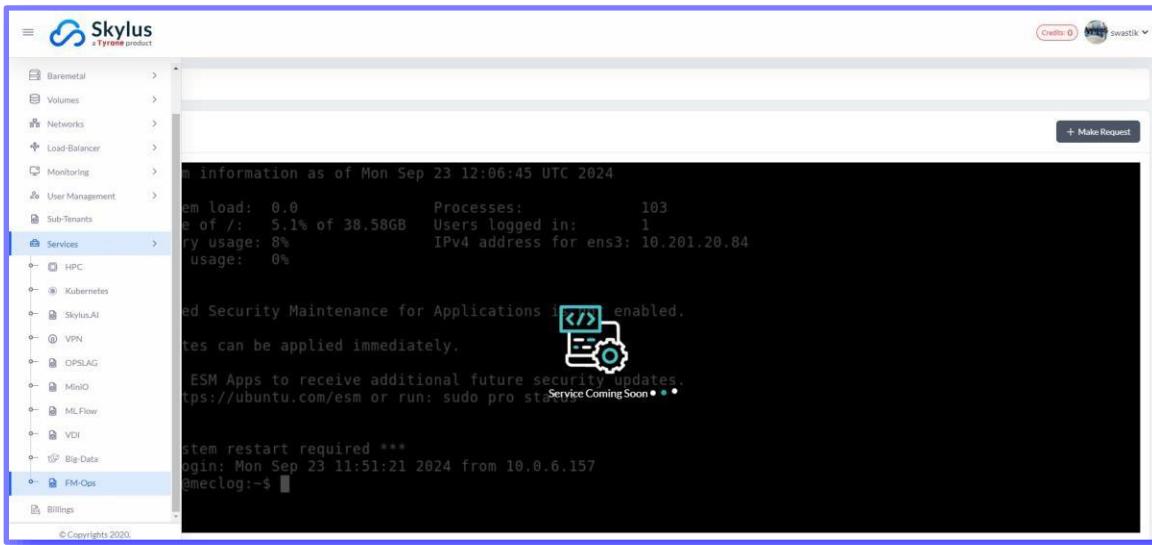
This feature is coming soon on our website, stay tuned for more information.



Big-Data

FM-Ops

This feature is coming soon on our website, stay tuned for more information.



FM-Ops

Billings

Billing - Instance Tab

The Instance tab in the Billing section provides details on instances, machine types, units, and total cost.

Billing - Service Tab

The Service tab in the Billing section shows the services, launch dates, units used, and total cost for each service.

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Effective Date: November 11, 2024

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