IP ServerOne, A Managed Cloud Service Provider

NOVACLOUD 101:
A COMPREHENSIVE USER GUIDE

IP SERVER ONE®

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NovaCloud 101: A Comprehensive User Guide

Welcome to NovaCloud

Your gateway to easy and affordable cloud computing. With NovaCloud, you can effortlessly spin up a cloud server in less than 8 minutes, enjoy on-demand scalability within 5 minutes, and safeguard your hourly, daily, and weekly data —all for FREE.

NovaCloud Highlights

Key Differences	• Pay-per-use: Take control of your Virtual Machine (VM) independently. • Subscription-based: Our expert team handles VM provisioning for you. • Enjoy 1TB of data transfer for free, every month.
Key Features	• Quick Deployment: Set up in under 8 minutes. Start as low as MYR0.06/hour. • Scalability: Easily adjust resource levels in under 5 minutes. • Custom Security Rules: Configure security settings as needed. • OS Support: Compatible with Linux and Windows. • Low latency: Deploy your services in regions including Malaysia, Singapore, and Hong Kong. • One-click Application: Easily deploy a VM with pre-installed apps like MSSQL, Docker, WordPress, and so on.
Data Protection	• Snapshot Backups: Safeguard your data with free hourly, daily, and weekly backups. • ISO Certification: NovaCloud employs ISO-certified technology and processes for enhanced security. • HA Environment: Operates in a high-availability (HA) environment, ensuring uninterrupted service. • 99.9% Uptime: NovaCloud guarantees 99.9% uptimes on network and compute availability. • Redundant Infrastructure: Designed to eliminate single points of failure, using advanced spine and leaf switching. Multiple SAN storage units ensure constant service availability.

Getting Started

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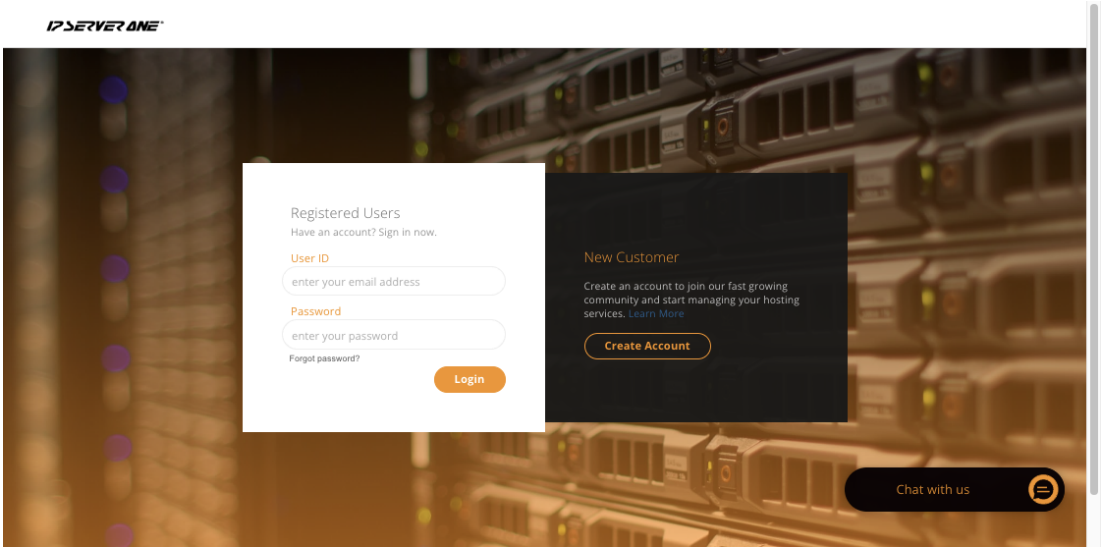
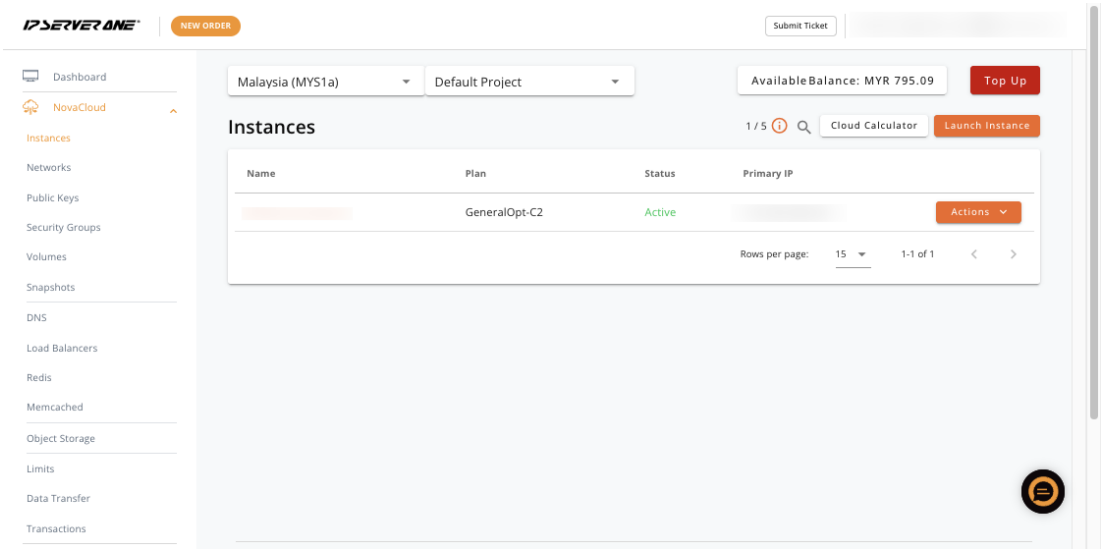
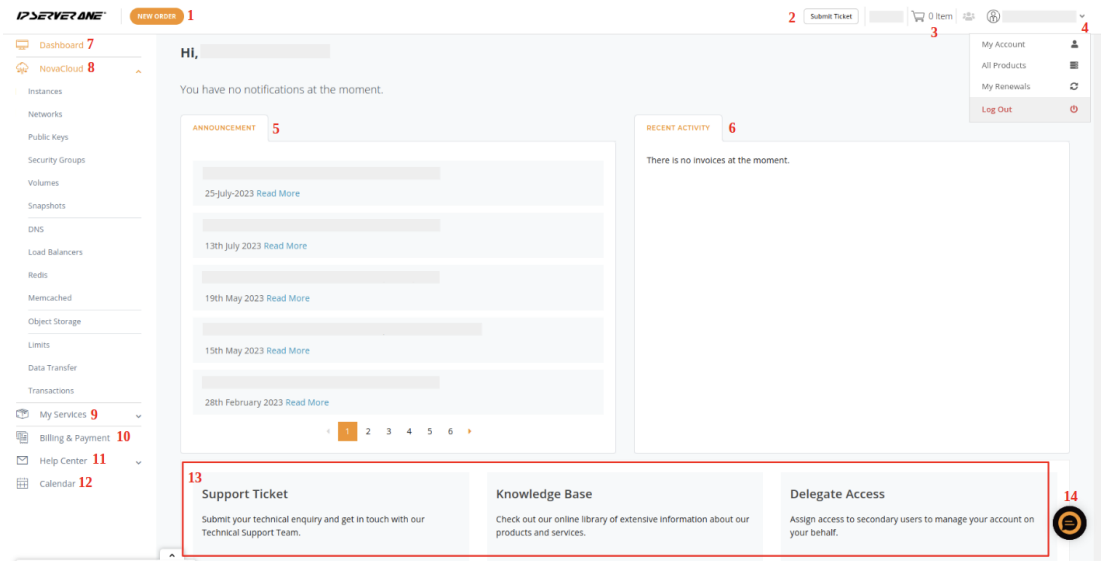
1. Access the NovaCloud portal at portal.ipserverone.com.



2. Navigate to NovaCloud and review your Available Balance.



3. Discover what you can do on the IP ServerOne cloud portal with this quick overview.



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Deploying Your First Instance

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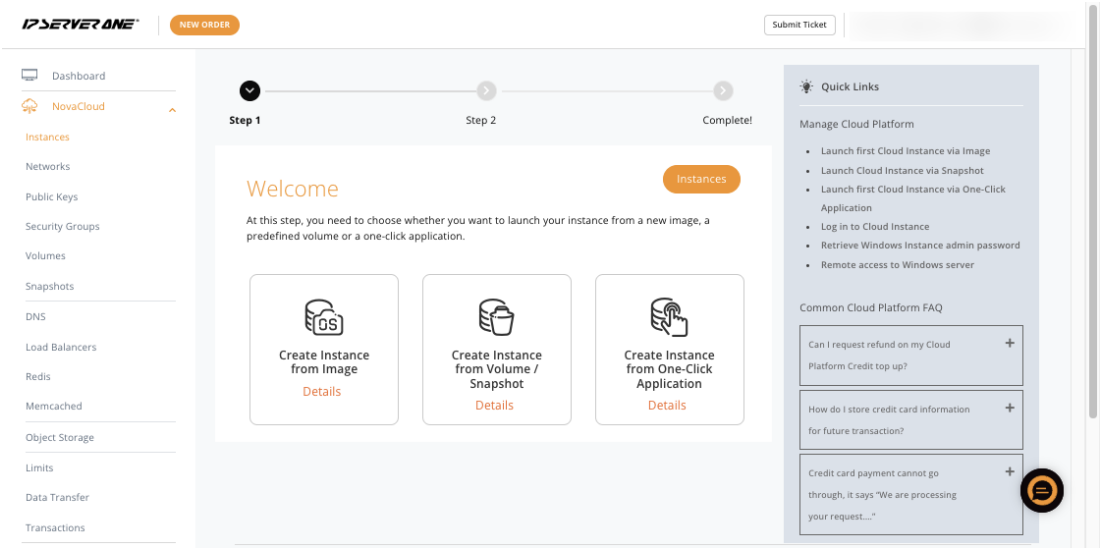
1. **Choose Your Region:** Select from the Malaysia, Singapore, or Hong Kong regions for your instance. Choosing the right regions will make an impact on your service latency. Check out here.

— Network Latency

Network Latency	Malaysia	Singapore	Hong Kong
Singapore	6-7ms	<1ms	35-40ms
Thailand	23-35ms	26-35ms	50-65ms
Vietnam	39-60ms	33-50ms	51-206ms
Combodia	27-45ms	23-40ms	42-80ms
Indonesia	19-30ms	12-25ms	45-55ms
Phillipines	34-40ms	192-200ms	39-45ms
China	100-350ms	100-350ms	100-350ms
*China Premium Route *Available at additional charges	42-50ms	36-45ms	6-20ms

2. **Select Deployment Method**: Choose from Image or One-Click Application. For WordPress servers, use the One-Click Application in the Content Management category. To clone your instance, you can choose to deploy from Snapshot or Volume.



Click here for tips

Dive into helpful tips, pick the right instance deployment option, and understand the main differences. Simplify your NovaCloud journey with just one click!

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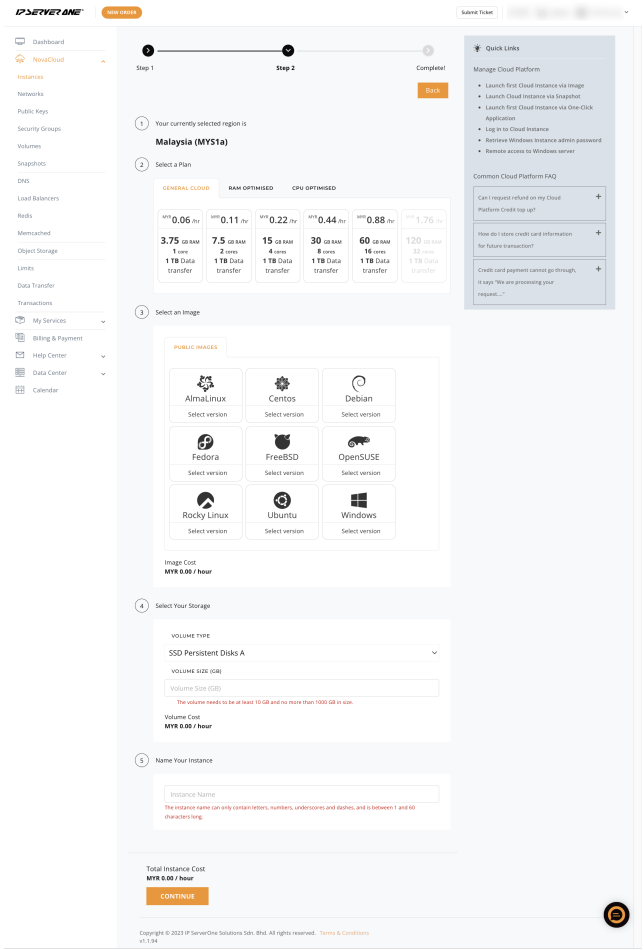
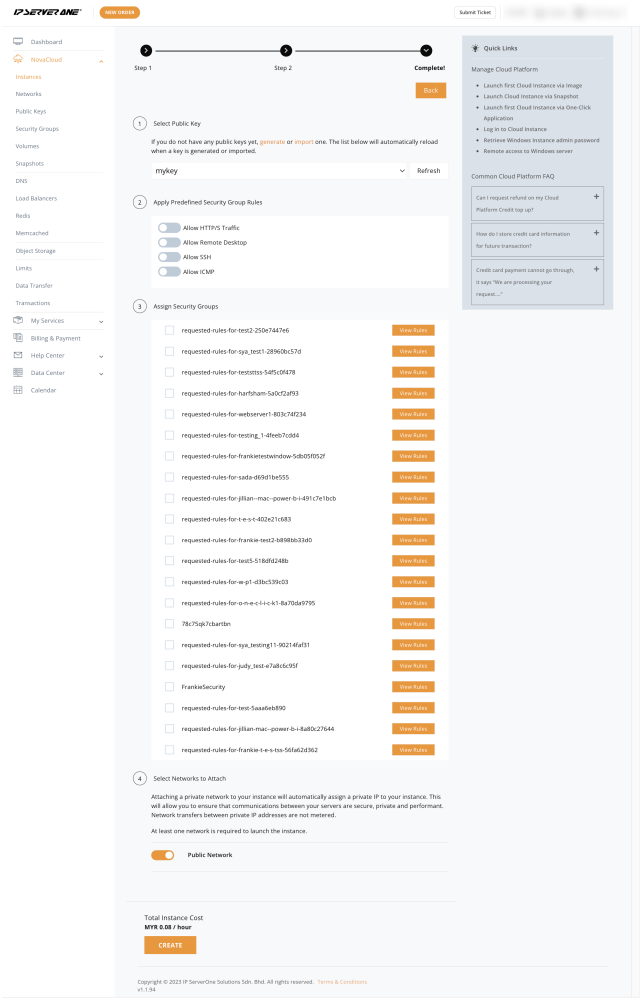
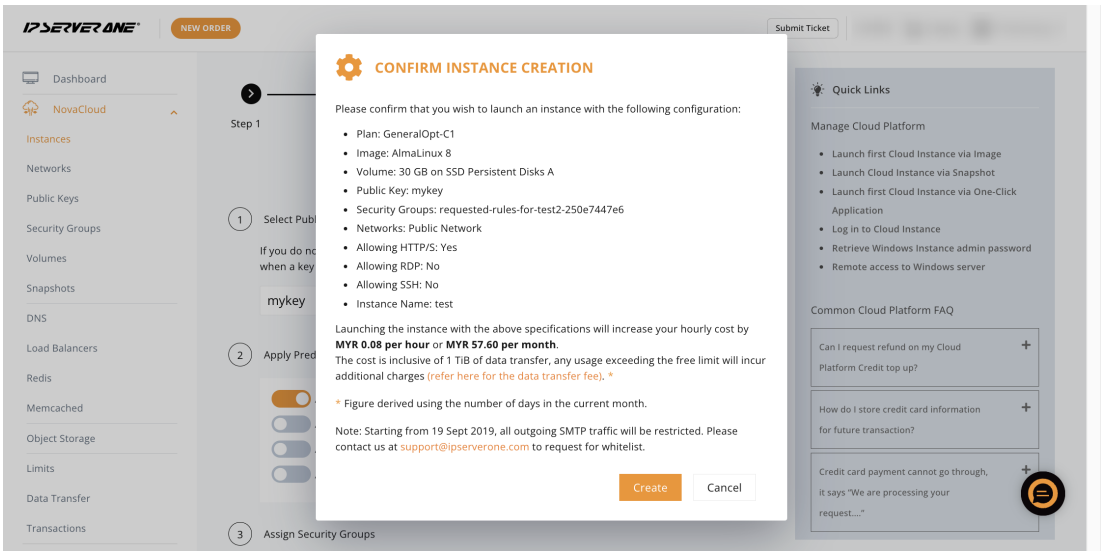
3. **Configure Instance Details:**
   - Choose your preferred plans, from General to RAM-optimized.
   - Select your storage size.
   - Name your instance.
   - Select or generate a public key (save it securely).
   - Configure security rules (if any).





4. **Congratulations!** Your first instance has been successfully created.



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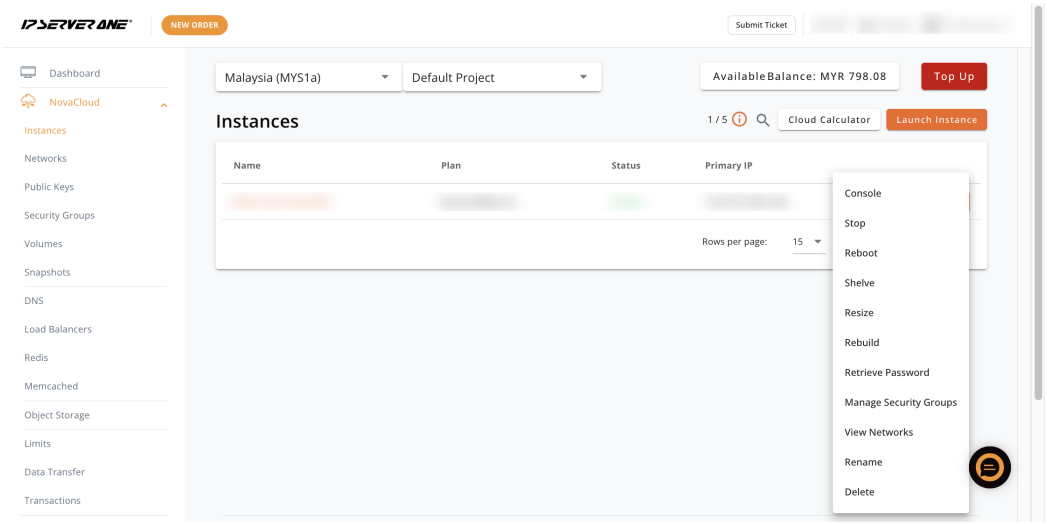
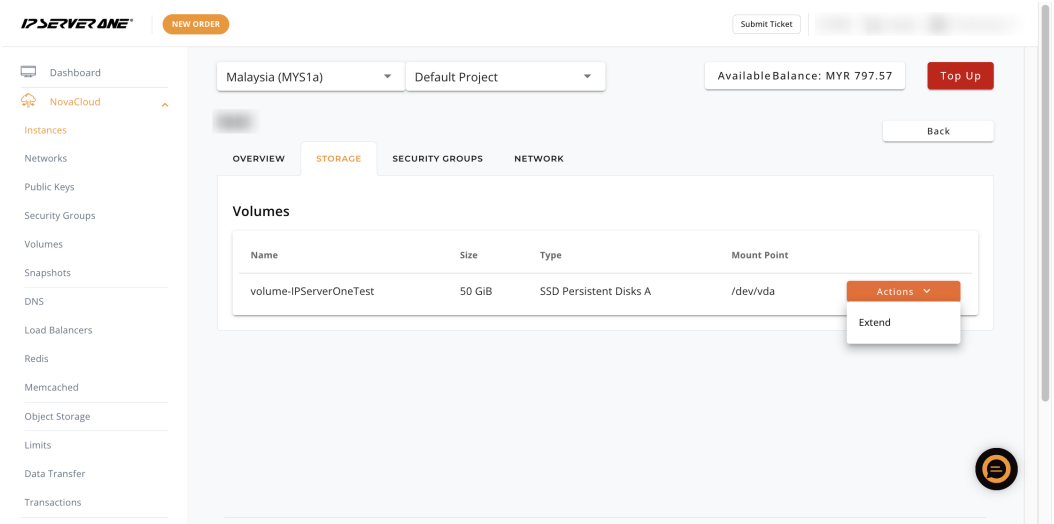
Managing Resources



- **Console:** Connect to your instance just like plugging a wire from your PC to the cloud server.
- **Stop:** Completely stop the instance, like powering off your computer.
- **Reboot:** Restart the instance, similar to clicking the restart button on your computer.
- **Shelve:** Putting your instance into storage mode. Charges are incurred only for your storage and IP address.
- **Resize:** Upgrade or downgrade your server specifications (e.g C1 to C2 or C2 to C1). Downtime is less than 5 minutes.
- **Rebuild:** Reformat the instance like it's fresh, wiping out all data but retaining the IP address and operating system (OS).
- **Retrieve Password:** Retrieve admin passwords for Windows instances.
- **Manage Security Groups:** This acts as the first layer of the firewall between your instances. You can restrict access to certain ports.

Data Storage and Management



- **Volume and Snapshot:** You can create a volume or snapshot for each instance. Later on, you can use it to spin up an instance (similar to a clone instance).
- **Extend, Attach, Detach:** Manage volumes by extending, attaching, or detaching.
- **Automated Backups:** Hourly, daily, and weekly free snapshot backups are built-in. Restoring data incurs SmartHand charges.
- **Object Storage Integration:** Integrate with our Object Storage for flexible data storage and retrieval.

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Use Cases

NovaCloud is versatile and caters to various use cases, including:

- **Website hosting**
- **Application hosting**
- **E-commerce**
- **Databases**
- **Email servers**
- **Mobile applications**

Security Best Practices

Enhance the security of your instances with these best practices:

Close Unused Ports

Prevent unauthorized access by closing unused ports through Security Rules.

Firewall Configuration

Configure firewalls by SSH into your instance to control incoming and outgoing traffic.

Private Network

Switch to a private network for additional security, restricting public access.

Regular Audits

Perform regular security audits to identify and address vulnera-bilities.

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Advanced Features

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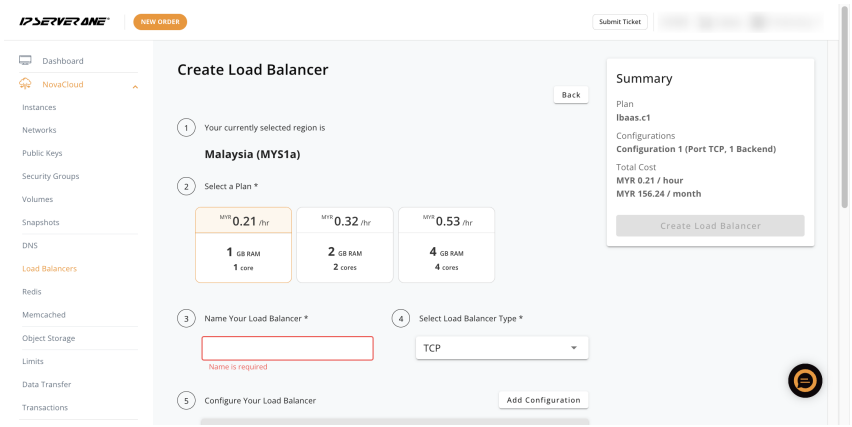
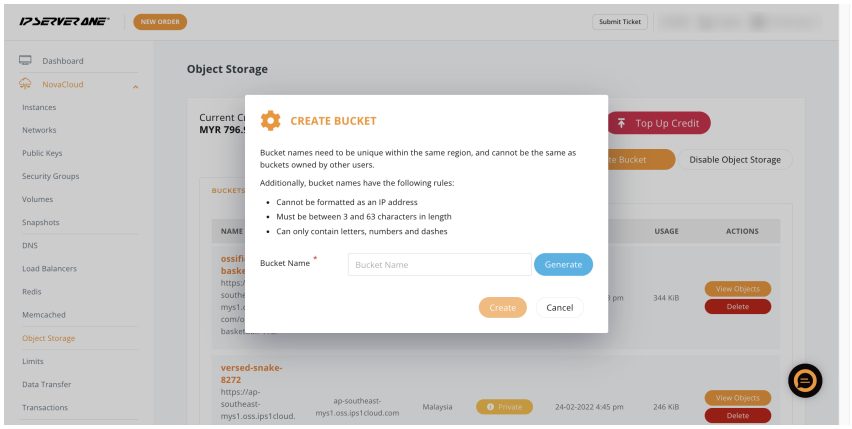
Explore advanced features such as:

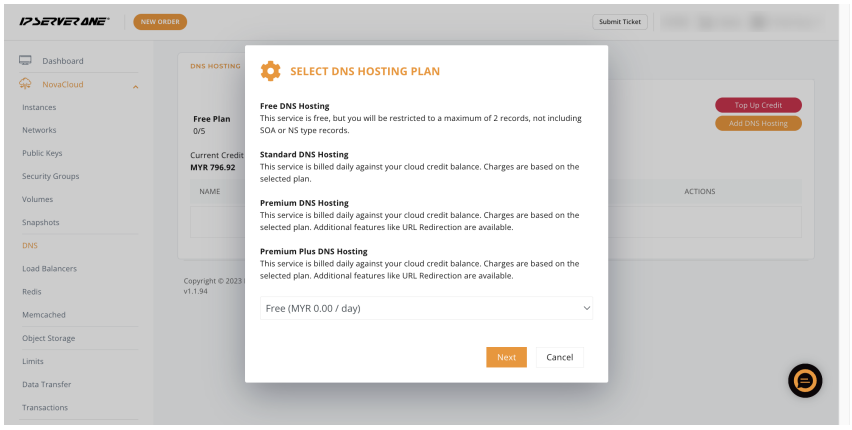
Load Balancing as a Service (LBaaS): Distribute incoming traffic across multiple instances to ensure high availability and reliability. Ideal for handling varying workloads and increasing application performance. See guide here.



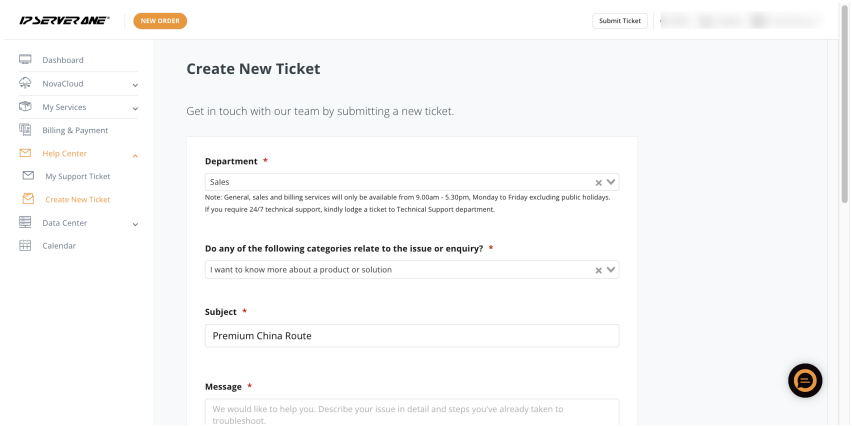
Object Storage: A scalable and secure solution for storing and retrieving large amounts of unstructured data. Ideal for backups, archives, and content distribution.



DNS Hosting: Manage your domain's DNS records efficiently, ensuring seamless connectivity to your cloud resources.



Premium China Route: Enhance your service performance by directing your traffic straight to China. Manual configuration through IP ServerOne is required.



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Support Assistance

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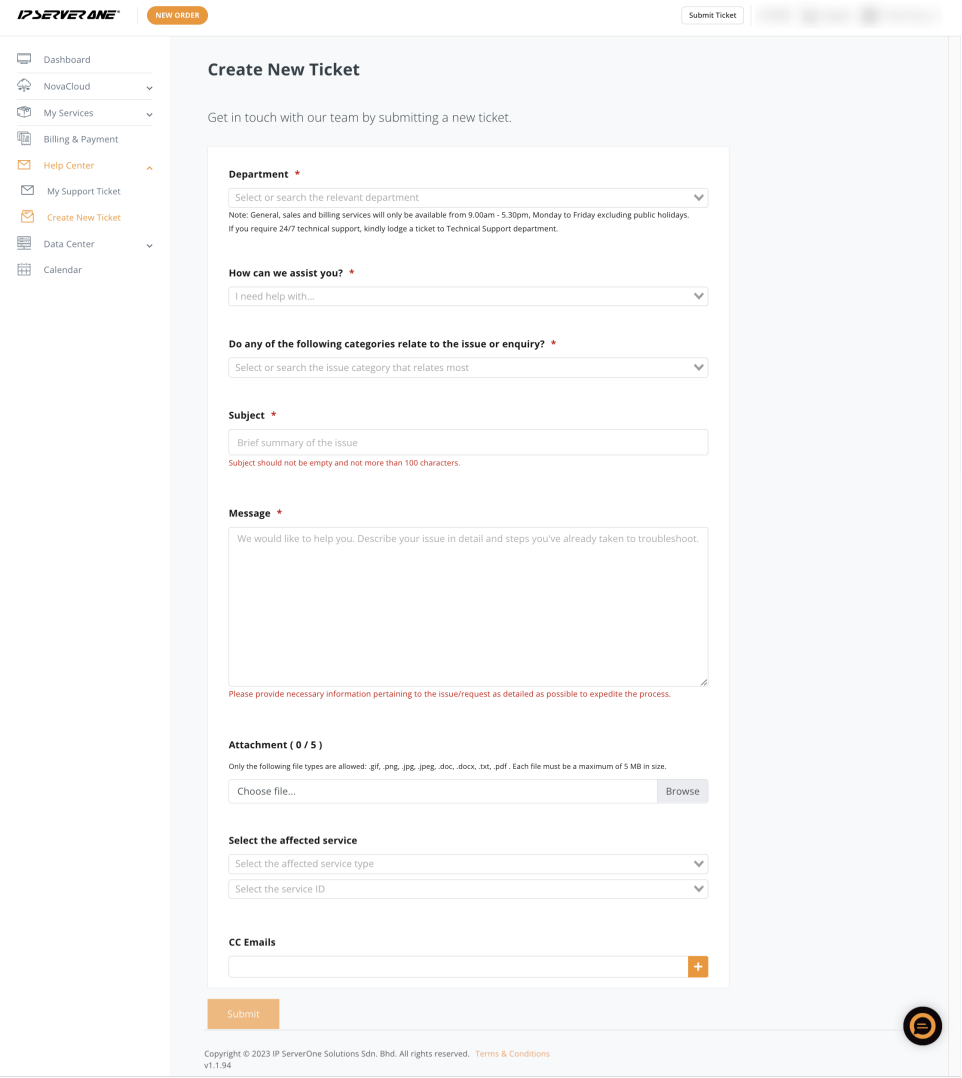
Our support assistance is available round-the-clock at **03-2026 1688**, or you can **submit tickets** through the customer portal.



For the Cloud for Developers program, consider subscribing to our managed services for extensive support.

MANAGED SERVICES PLAN

	Basic	Essential	Pro	Premium
	Free	Contact Us	Contact Us	Contact Us
24x7 Access to Knowledge-base Documentation	✓	✓	✓	✓
Windows Environment Operating System				
Windows Update with Default Options	✓	✓	✓	✓
Auto Windows Update	–	✓	✓	✓
Allowed to Select/Unselect Update(s) to be Installed	–	✓	✓	✓

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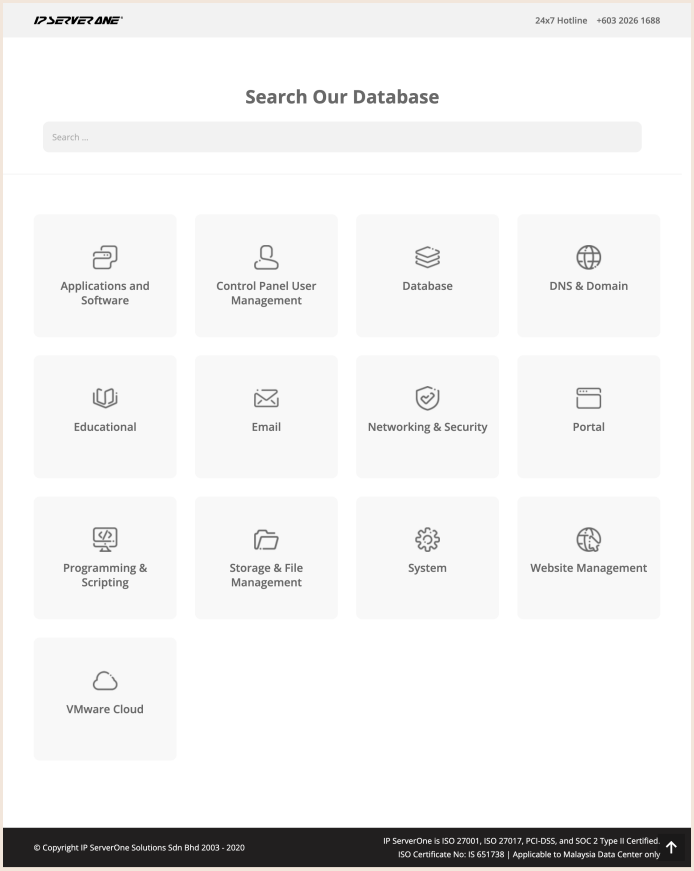
Additional Resources

Access our Knowledge Base for more tutorials at ipserverone.info.



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Feedback

Your feedback is essential for improving your cloud journey. Share your concerns or suggestions at marketing@ipserverone.com.

Tips and Tricks

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1. How to Choose the Right NovaCloud Instance Deployment Method:

Instance Deployment Method	Summary
Image	Choose this option if you want to build a completely new server. You can select the operating system, computing resources, and storage that suit your needs.
Snapshot	Use this if you already have a snapshot backup in NovaCloud. It lets you deploy a new server using the state of a system at a particular point in time.
Volume	You can use this choice to set up a new server by attaching it to an existing volume in NovaCloud. This option lets you restore your instance if any issues arise or you need to undo any changes.
One-Click Application	Great for software developers who want to save time. This method launches a server with pre-installed apps such as Docker, MSSQL, WordPress, LAMP, and more without manual setup.

2. Key differences between Image, Snapshot, Volume, and One-Click Application:

Aspect	Image	Snapshot	Volume	Pre-installed App
Definition	To launch a fresh new server with a choice of OS	A server is the state of a system at a particular point in time.	A server uses an existing disk and easily undoes any changes.	A server image with pre-installed apps and settings
Prerequisite	None	Have an existing snapshot in NovaCloud.	Have an existing volume in Nova-Cloud.	None
Limitation	Limited to the template's pre-configured settings.	Only captures disk state, not entire server settings.	May not be suitable for booting or OS.	Limited to the pre-installed apps.
Use Cases	Quick VM deployment with granular customization	Data backup and recovery	Data growth, cost control, and high-performance databases	Rapid deployment of app environments.

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