

stackⁿ

Nuvai Cloud Platform





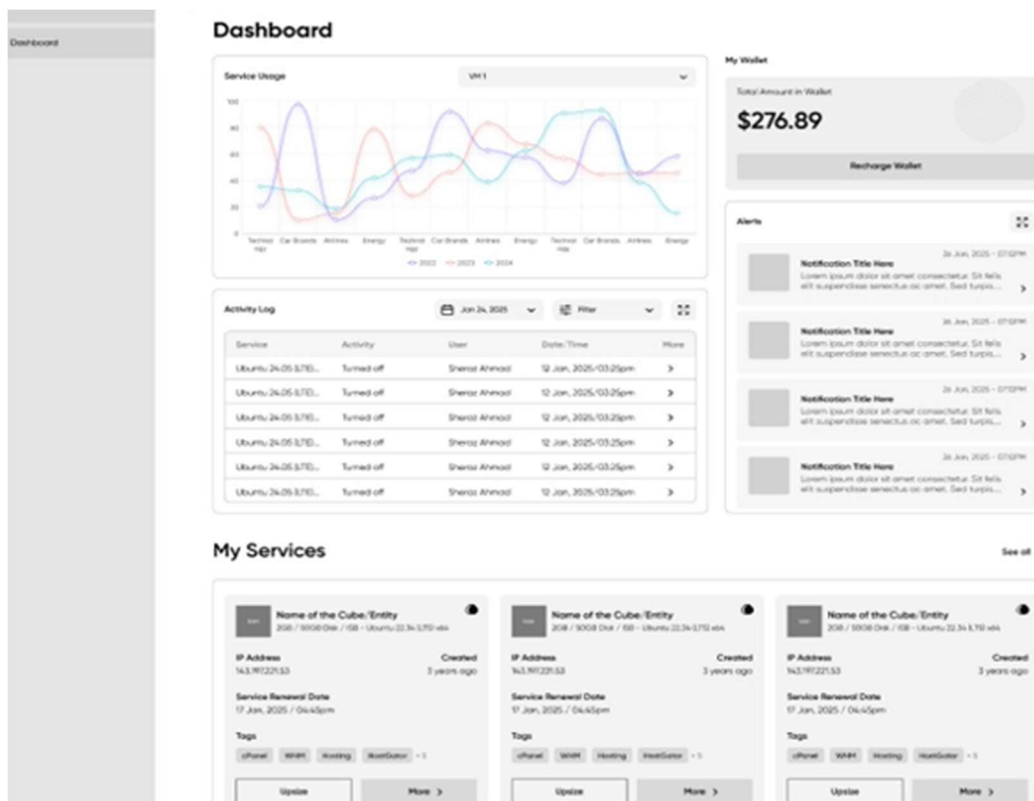
Nuvai Cloud Platform - stackⁿ

Overview

Nuvai Stackⁿ is a comprehensive, enterprise-grade cloud platform designed to support **public, private, and hybrid cloud** requirements while seamlessly integrating with **VMware and OpenStack** environments. Whether organizations are looking to modernize their existing infrastructure or transition away from costly proprietary environments such as traditional hypervisors and databases, Nuvai Cloud provides a flexible, scalable, and cost-efficient solution.

Beyond cloud deployment, Nuvai Cloud offers a full suite of **lifecycle services** to ensure long-term success. Our modernization services help businesses evolve legacy systems into cloud-native architectures, optimizing resource utilization and unlocking operational agility. Additionally, our consulting and **managed services** provide proactive monitoring, maintenance, and support, ensuring peak performance and reliability while reducing administrative overhead.

Security is at the core of our platform. We embed **enterprise-grade cyber security** solutions to safeguard data, enforce compliance, and mitigate risks. With advanced threat detection, encryption, and identity management, Nuvai Cloud ensures organizations can embrace digital transformation with confidence. Designed for **adaptability, cost-efficiency, and security**, Nuvai Cloud empowers enterprises to **accelerate innovation, enhance performance, and future-proof** their digital infrastructure—without disruption. Let's unlock the full potential of cloud together.

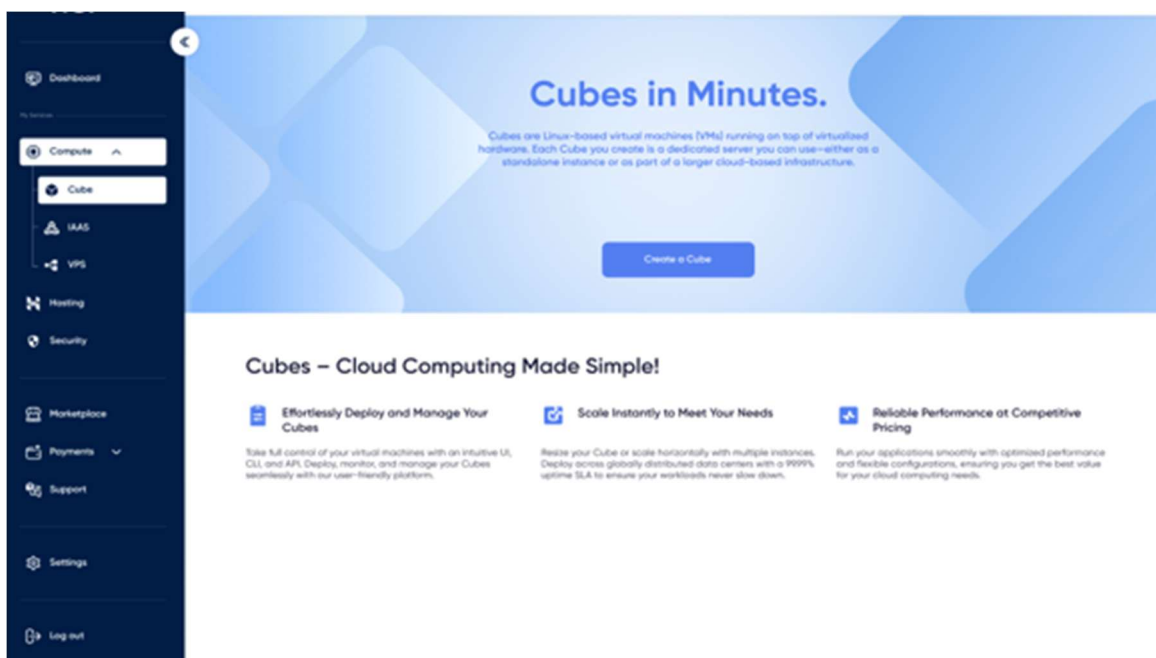




Key Features

Comprehensive Front-End Portal

- User-Friendly **Interface**: Intuitive and easy-to-navigate dashboard for managing cloud resources.
- Self-Service Portal: Allows users to provision and manage their own resources within the limits set by administrators.
- Customizable: Supports branding and customization to match your organization's needs.
- Multi-Tenancy: Securely segregate resources and users, ensuring efficient use of resources across multiple projects.



Provisioning and Orchestration System

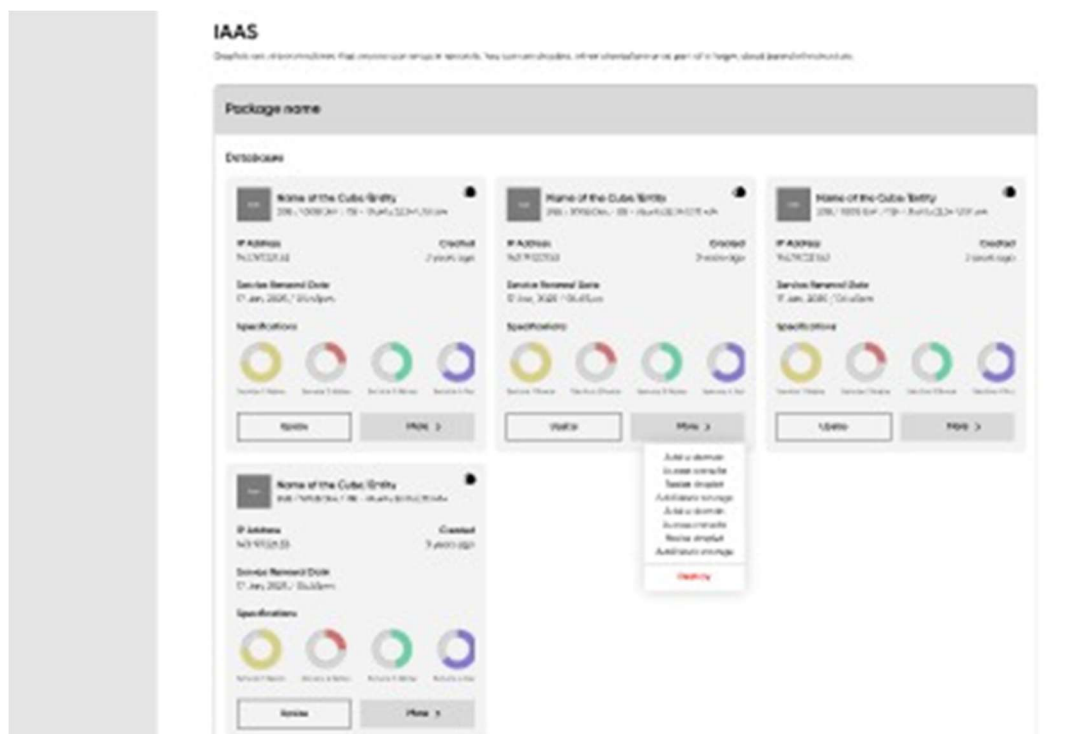
- Automated Deployment: Utilizes tools for automation like Terraform or Ansible for configuration management. Also Jenkins based automation and CI/CD pipelines
- Scalability: Easily scale resources up or down based on demand.
- Resource Optimization: Efficiently manage compute, storage, and networking resources.
- Lifecycle Management: Comprehensive management of the entire lifecycle of cloud resources from provisioning to decommissioning.
- Policy-Based Management: Define and enforce policies for resource allocation, usage, and security.

Diverse Set of Services

- Compute: Manage virtual machines, bare metal, and containers.
- Storage: Block storage, object storage, and file storage solutions.
- Networking: advanced capabilities for flexible and scalable network management.
- Identity and Access Management: Secure and manage user access with IPA/Keystone
- Monitoring and Reporting: Centralized monitoring and reporting tools for performance and usage analytics.



- Backup and Disaster Recovery: Robust backup solutions and disaster recovery options to ensure data integrity and availability.

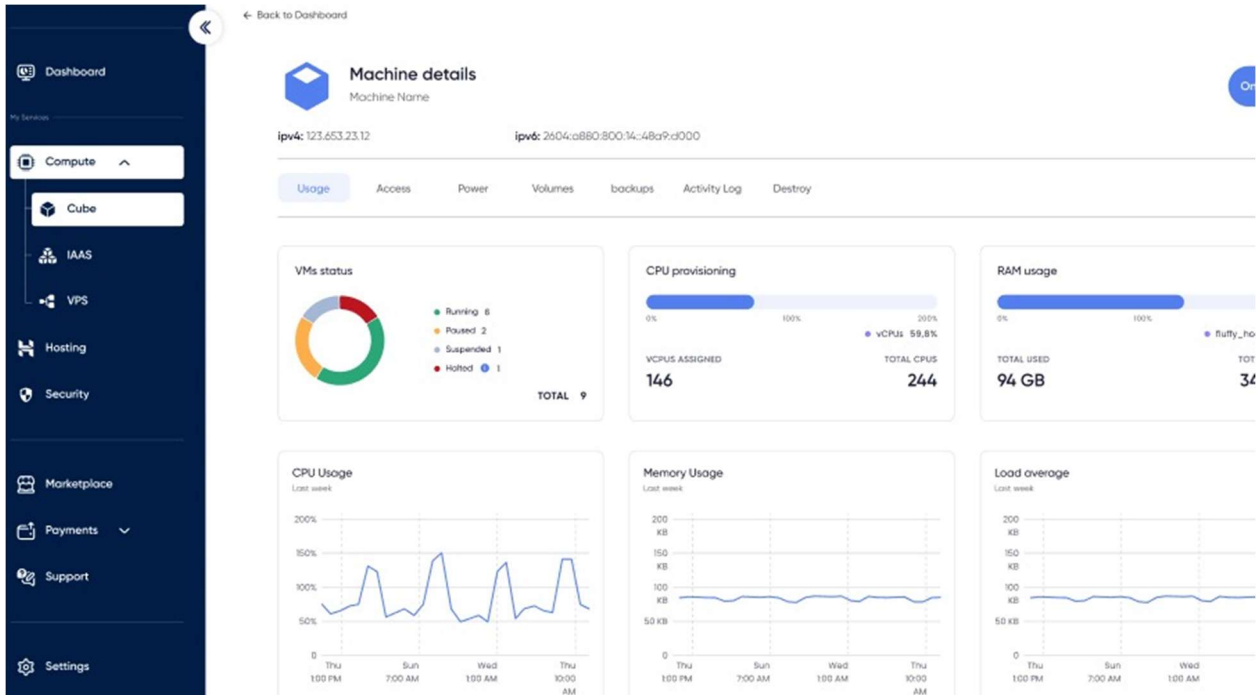


VMware Virtualization Alternative

- Cost Efficiency: Open-source nature eliminates licensing fees associated with proprietary solutions like VMware.
- Flexibility: Supports a wide range of hypervisors, including KVM, which provides comparable features to VMware.
- Avoid Vendor Lock-In: Open standards and interoperability with various hardware and software solutions.
- Seamless Migration: Tools and services to facilitate the migration from VMware to OpenStack-based solutions or XEN or Proxmox based solution
- Personalized Dashboards

Benefits

- Competitive total cost of ownership (TCO) by leveraging open source / open-stack where possible.
- Scalable: Easily scale resources to meet growing demands.
- Flexible: Customizable to fit your specific needs and integrate with existing infrastructure.
- Secure: Advanced security features and compliance with industry standards.
- Community Support: Benefit from a large, active community of developers and users.
- Cost Efficiency: Reduced operational costs through efficient resource utilization and automation.
- Interoperability: Seamlessly integrate with existing tools and platforms, enhancing overall productivity.

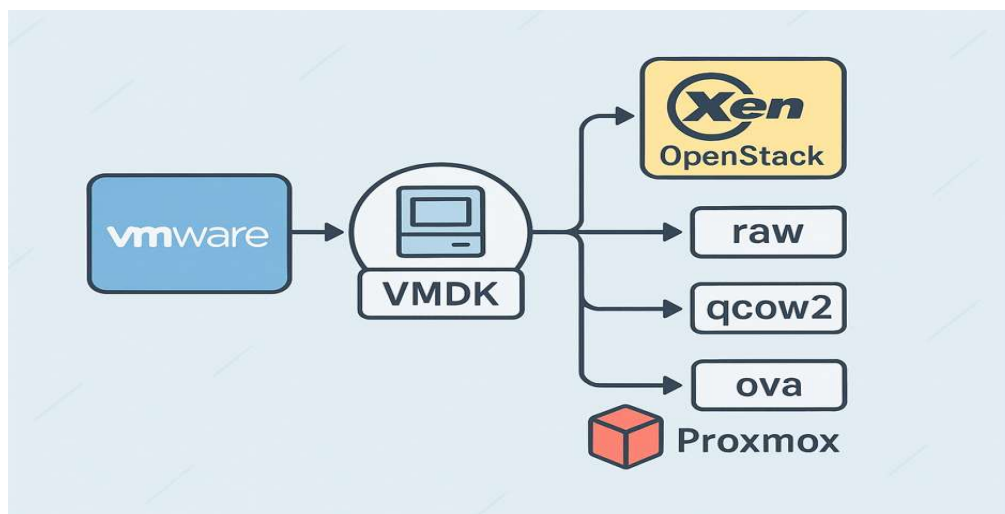


Use Cases

- Public Cloud: Deploy and manage public cloud environments with ease.
- Private Cloud: Build and maintain private cloud infrastructure for internal use.
- Hybrid Cloud: Seamlessly integrate public and private cloud resources.
- VMware Replacement: Transition from VMware to viable alternatives to reduce costs and avoid vendor lock-in.
- DevOps Integration: Support for DevOps practices, enabling faster development and deployment cycles.

VMware Migration

Unlock the next level of infrastructure flexibility with our end-to-end migration service from VMware (VMDK) to Citrix Xen, OpenStack, or Proxmox—tailored to your specific environment and use case.





What We Offer:

- Expert Migration from VMware to: Citrix Xen, OpenStack, Proxmox VE
- Disk Conversion Services:
 - Convert VMDK to RAW, QCOW2, or OVA as needed
- Preservation of VM Configuration (CPU, RAM, disk, internal networking)
- Zero Downtime Strategy for production systems
- Post-Migration Testing and Optimization
- Documentation & Support during every step of the way

Why Choose Us?

- Proven expertise with virtualization platforms
- Fast turnaround with minimal business disruption
- Scalable solutions for single VMs or full datacenter migrations
- Security-first approach for sensitive workloads

Service Offerings

Managed Services

- 24/7 Support: Round-the-clock support from experienced professionals.
- Proactive Monitoring: Continuous monitoring to detect and resolve issues before they impact your business.
- Regular Updates: Ensure your platform is always up-to-date with the latest features and security patches.
- Monitoring solutions:: We also provide a number of monitoring solutions leveraging Newrelic, Zabbix, Nagios, Grafana. APM etc.

Consulting Services

- Assessment and Planning: Comprehensive assessment of your existing infrastructure and development of a migration plan.
- Implementation and Integration: Assistance with the deployment and integration of the platform into your environment.
- Training and Workshops: Training sessions and workshops to equip your team with the skills needed to manage the platform.

Technical Architecture

- Modular Design: Built on a modular architecture that allows for easy extension and customization.
- High Availability: Designed for high availability with support for clustering and failover mechanisms.
- Security: Incorporates advanced security features such as role-based access control, encryption, and multi-factor authentication.
- Performance: Optimized for high performance with support for load balancing and resource allocation.

Deployment Options

- On-Premises: Deploy the platform on your own infrastructure for full control and customization.
- Cloud: Utilize public cloud providers for a flexible and scalable deployment.



- Hybrid: Combine on-premises and cloud resources for a hybrid deployment that offers the best of both worlds.

| Compute | Hosting | Storage | Security | DBaaS |
|----------------------|---------------------|--|--|----------|
| IAAS Cubes VPS | Web Email DNS | Block Object File Replication | SOC SIEM APP/ Web P/Testing DDoS Protection WAF End Point Security | Postgres |

Below is a listing of vendor platforms being managed currently by our cloud stack. Further integrations can be incorporated based on customer requirements

| Supported Environment | Technology/Vendors |
|-----------------------|---|
| Compute | X86 Architecture (Intel /AMD) <ul style="list-style-type: none">• HP• Dell• Cisco |
| Storage | Dell EMC, HP, Huawei |
| OS | Linux - Windows |
| Networking | Cisco, Juniper, Inhouse – Neutron and Customized |
| Hypervisors | Citrix XEN NG, Porxmox, LXC (Ubuntu), OpenStack |
| Databases | Postgres, mariadb, mysql |
| Security | Cisco, Fortinet |