

linode

Cloud Service Platform Review

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Idea for the Company

- This fundamental shift in how business and society interacted with computers began in 1999 when Salesforce.com started the Software as a Service (SaaS) revolution.
- But back then, building your own cloud was expensive. It required massive amounts of investment. Salesforce raised \$64.4 million when it was first starting out.
- To get the cost and scale benefits the cloud provided, companies needed deep pockets and even deeper technological know how.
- What the industry lacked was a way to make this new computing power accessible to others.

Linode & Linux

- Jeff Dike, an active Linux contributor, had developed a technology called User-Mode Linux.
- UML allowed developers to create virtual Linux machines within a Linux computer which paved the road for virtualized cloud we know today.
- The mission and belief system - to make things more affordable and accessible to everyone - became the corporate DNA of Linode.



- Christopher Aker, founder and CEO of Linode, saw the potential in technology and established this company
- Linode started journey at 2003, when Salesforce and Amazon were building their cloud. Linode was promised towards their goal to provide better services in lesser price to upcoming developers.



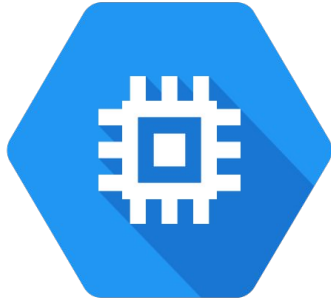


11 Global Markets

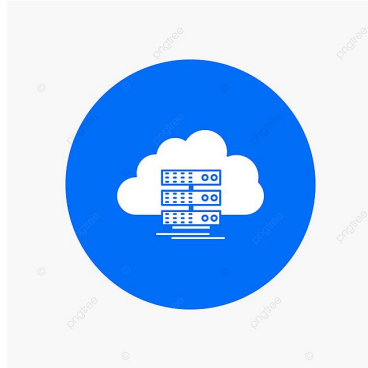
The global data center reach and
the local presence you need

Products:

Linode products are primarily divided into categories for the ease of customer:



Compute



Storage



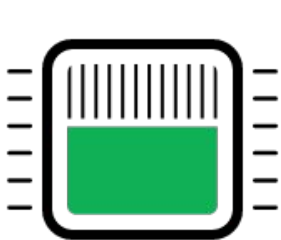
Network



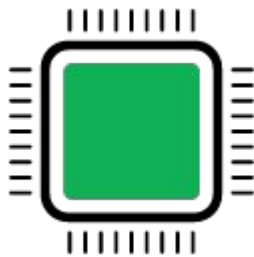
Developers
Tools

Compute

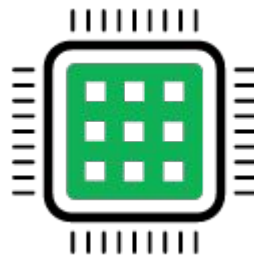
Linode provides compute resources for building, releasing, and scaling faster with virtual machines and tools for every workload. They provide such ease by following ways:



Shared
Instances



Dedicated
CPU



High Memory
Linodes



GPU



Shared Instances

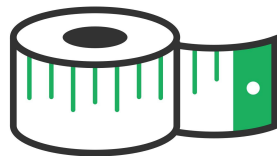


Perfect For Most Workloads

Suitable for any type of work whether high-end gaming or website hosting.

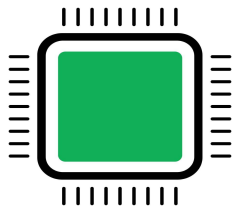
Tailor the Configuration

Start with 1v CPUs and scale upto 32v CPUs and 192GB RAM according to workload.



Price and Performance

Great Performance instances with reasonable price.



Dedicated CPU



Use without Sharing

100% CPU only for you, increases performance



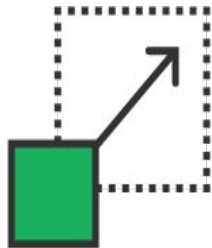
Perfect for CI/CD & Build Jobs

Create and destroy instances at your own choice



Predictable Performance

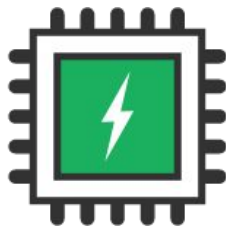
With Dedicated CPU instance, you can run latency-sensitive application



Convert to Dedicated CPU Anytime

You can scale-up or scale down any time

High Memory Linodes



Speed Up Data Retrieval

Keep frequently used data in High Memory Linodes for better performance.



Pay for what you need

On demand availability with payment of plan as you use.



In Memory Processing

High memory Linodes process your data completely in memory and quickly get query results.



Good Price to Performance Ratio

Tuned for Memory-Intensive Workloads

GPU



Multiple Plan Types

Can use 4 GPUs per instance.
Provides more power



Simplifying Complex Use Cases

Linode GPUs can be used for machine learning, AI, video streaming etc.



On Demand GPU

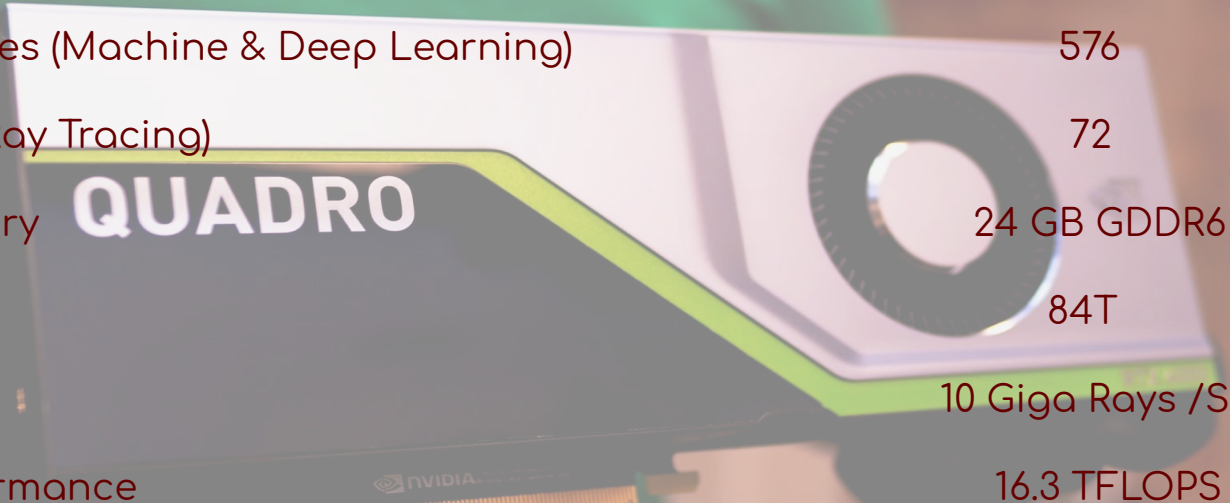
Get power of GPU anytime, as you require without high price investment for buying physically



Awesome Hardware

Linode GPU use Nvidia Quadro RTX 6000 units, one of the best in market.

Nvidia Quadro RTX 6000



A photograph of the Nvidia Quadro RTX 6000 graphics card. The card is white with a prominent green stripe running along its length. The word "QUADRO" is printed in large, bold, white letters on the green section. A circular fan is visible on the right side of the card. The card is shown against a blurred background of green and brown.

CUDA Cores (Parallel-Processing)	4,608
Tensor Cores (Machine & Deep Learning)	576
RT Cores (Ray Tracing)	72
GPU Memory	24 GB GDDR6
RTX-OPS	84T
Rays Cast	10 Giga Rays /Sec
FP32 Performance	16.3 TFLOPS

Coming Soon...

Bare Metal

A bare metal environment is a computer system or network in which a virtual machine is installed directly on hardware rather than within the host operating system (OS)



Linode Kubernetes Engine (LKE)

LKE is a fully-managed container orchestration engine for deploying and managing containerized applications and workloads.



Storage Resources

Linux provides dependable, easily-accessible storage and management in form of:



Block Storage



Object Storage



Backups

Linode Block Storage



Easily Add Storage

Flexibility to add or reduce storage volume or blocks as your need changes with very few simple steps.



High Speed Storage

Powered by combination of HDDs and NVMe drives, and thus provides a balance between price and performance.



Resilient and Fault Tolerant

Configured with 3x data replication. So that data is safe.



Manage Your Data Independently

Block storage are managed independently of Linode instances. Attach or detach storages anytime as required.

Linode Object Storage



Scale your Data Storage

250GB to 50TB object storage clusters making it easy to store data.



Free Transfer

No transfer charges upto 1TB outbound unlike AWS.



High Availability

Objects are replicated across servers so they're always accessible even if one of the servers goes offline.



Store Critical Data

Object storage is the best choice for data that doesn't change often. All accessible over Internet via URL.

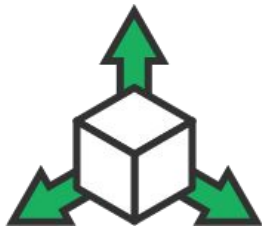


S3 Compatible

Linode provides Simple Storage Service(S3) which maintains performance over growing data.

No Virtual Machines Required

Storing and accessing data with object storage does not require the use of a Linode virtual machine..



Support Static Websites

Easily deploy a site and manage content without maintaining your own infrastructure.

Backups



Fully Managed

Linode backs up data at regular intervals to guard against accidental deletions or misconfigurations.



Enroll By One Click

Backup is just one click away.



Configurable Backup Window

You can choose when your backups are generated.

Services

Responsive, hands-on expertise from professionals who care.



Managed
Services



Professional
Services

Managed Services



Incident Response

Linode actively monitors each and every system and service. This makes faster recovery



Data protection At No Additional Cost

Complementary to any plan in Linode..



Dashboard Metrics For Your Linodes

Add urls, ports and a dashboard is automatically created for monitoring.



Free Site Migration

Allows you to move from any host to Linode with an easy, hands-free process.



Free cPanel

cPanel & WHM, the world's most popular control panel for managing websites, is free to Linode Managed Service customers.

Discount on Professional Services

Professional Services Team of Linode is always ready for solving any cloud solution

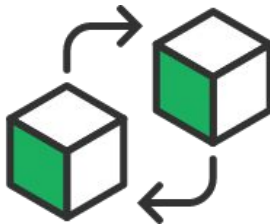


Professional Services



Tuning & Optimisation

Experienced in identifying performance bottlenecks and tuning your configuration to get the most out of your Linode.



High Availability Environments

Minimal Downtime makes work experience for user better.



Software Deployments

Execute pain-free software deployments that follow industry standards and best practices.

Networking

Secure your network, balance traffic, control your infrastructure with Linode.



DDoS Protection



Node Balancers



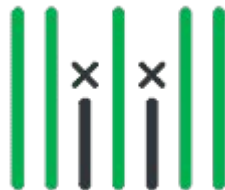
DNS Manager

DDoS Protection



Intelligent Threat Blocking

Rules are automatically created using machine learning from traffic across the global network.



No Increased Latency

Keep good traffic and block the bad, with no increased latency and no routing of your traffic to a third party.



Real Time Network Protection

Detects, analyzes, and blocks attacks on your infrastructure in real time.



Intercept a Range of Attack Methods

Protect your server applications from a range of DDOS attack methodologies including UDP, SYN, HTTP floods, and more.



No Cost or Maintenance for Customers

Always-on protection is automated and free to customers by Linode.

Node Balancers



Point-and-Click Availability

Linode intelligently route incoming requests to backend Linodes to help your application cope with any load increase.



Distribute Any Load

Balance any load from small blog site to large application site



Built-in Health Monitor

Detects, analyzes, and blocks attacks on your infrastructure in real time.



Perform maintenance without Traffic

Take backend Linodes in and out of rotation via the Cloud Manager, API, or CLI.

DNS Manager



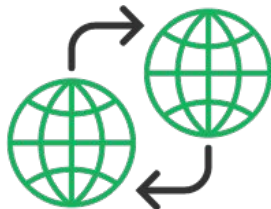
Importing Zones Is Easy

The DNS Manager will easily import zones from your current provider as-is.



Manage DNS Automatically

Simplify and automate the management of zones through the Linode Cloud Manager or the API.



Highly-Available Records

Records are cached worldwide, DNS lookups are faster to return.

Coming Soon ...

Native-Cloud Firewall Protection

Linode cloud firewall makes it simple to control network traffic. This will make Linodes to become more secure from cyber attacks and data theft.



Linode VLAN

Streamline broadcast traffic with a free VLAN service from Linode. It will optimise traffic, increase security and reduce network transfer costs.



Tools

Fully equipped with Developer tools to get best out of your Linodes



Cloud
Manager



API



CLI



Integrations



Users &
Permissions



Marketplace



Images



StackScripts



Monitoring

Cloud Manager



Infrastructure Management made easy

Effortlessly create and configure your infrastructure with Cloud Manager



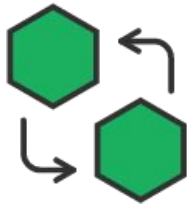
Deploy One-Click Apps

One-Click Apps make it quick and easy to get up and running on your Linodes.



Importing Zones Is Easy

The DNS Manager will easily import zones from your current provider as-is.



Self-Service Data Center Migrations

Move your Infrastructure conveniently between data centers.

Linode API



An Endpoint For Everything

Access to every part of your Linode platform.



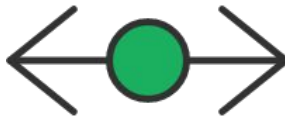
Third Party Integrations and Plugins

A range of third-party integrations consume the Linode API.



Programmatically Manage Your Account

Automate account management.



Paginate And Filter Large Responses

Comb through data with the X-Filter and build complex filters using logical operators.



Build The Apps You Want

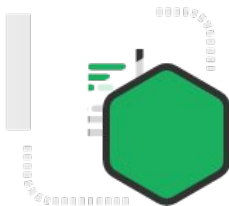
Create your own dev tools to automate infrastructure management.

Linode CLI



Accelerate Common Tasks

Create Linodes and NodeBalancers, and attach block or object storage volumes without leaving your terminal.



Customizable Output

The Linode CLI prints easily readable output by default.



Easy Scripting

Everything you can do with the Linode Cloud Manager can be done through the CLI.

Images



Snapshot The Perfect Image

Capture your golden image and deploy an identical copy to any Linode on your account.



Long-Term Image Storage

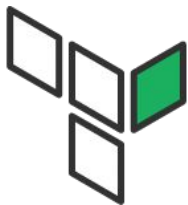
Linode Images are stored even if your account has no active Linodes.



Deploy Across Data Centers

Linode Images allows you to deploy the same image across data centers.

Integrations



Terraform

Describe your infrastructure as code with our Terraform provider.



Rancher

The Rancher integration for Linode allows you to manage multiple Kubernetes clusters across your cloud infrastructure.



Ansible

Ansible's "linode_v4" module can automatically provision Linode resources.



Pulumi

The Pulumi Linode resource provider makes it possible to control Linode resources directly from your code.

StackScripts



Quick & Easy Customisation

StackScripts run the first time your Linode instance is booted, allowing you to automatically customize the default Linux distribution.



Create Your Own StackScripts

Writing new StackScripts is simple. If you can't find the right StackScript for your Linode, author your own using the StackScripts guide.



A Library of StackScripts

Customize your Linode with one of the many StackScripts in our library or discover a community-sourced script.

Monitoring

Real-Time Graphs of System Performance

See how your Linodes are performing now and historically over time. Know when to scale up or down for better application performance.

☐ Notification Thresholds

☒ CPU Usage

Average CPU usage over 2 hours exceeding this value triggers this alert.

Usage Threshold %

☒ Disk IO Rate

Average Disk IO ops/sec over 2 hours exceeding this value triggers this alert.

IO Threshold IOPS

☒ Incoming Traffic

Average incoming traffic over a 2 hour period exceeding this value triggers this alert.

Traffic Threshold Mi/s

☒ Outbound Traffic

Average outbound traffic over a 2 hour period exceeding this value triggers this alert.

Traffic Threshold Mi/s

☒ Transfer Quota

Percentage of network transfer quota used being greater than this value will trigger this alert.

Quota Threshold %

Save



Custom Threshold Notification

Create custom usage threshold alerts so you know when you're close to exceeding resources and know when it's time to scale up your resources.

Users & Permissions



Global Permissions

Give users the ability to add Linodes, products, and domains, plus access to create images, use StackScripts, and more.



Billing Permissions

Grant users full or limited access to view, edit, or manage invoices and payment options for all services and products.



User-Based Permissions

Optionally set separate user permissions for each of your Linodes, storage volumes, NodeBalancers, and other resources.

Pricing

[Why Linode](#) ▾[Products](#) ▾[Solutions](#)[Marketplace](#)[Pricing](#) ▾[Community](#) ▾[Sign Up](#)

Configuration



CPU	Memory	Storage	Transfer
1	1GB	25GB	1TB

Additional Storage



+0 TB

Additional Transfer



+0 TB



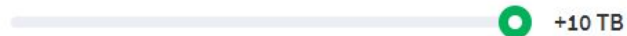
Activate Windows
Go to Settings to activate Windows.

Configuration



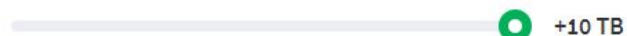
CPU	Memory	Storage	Transfer
32	192GB	13840GB	30TB

Additional Storage

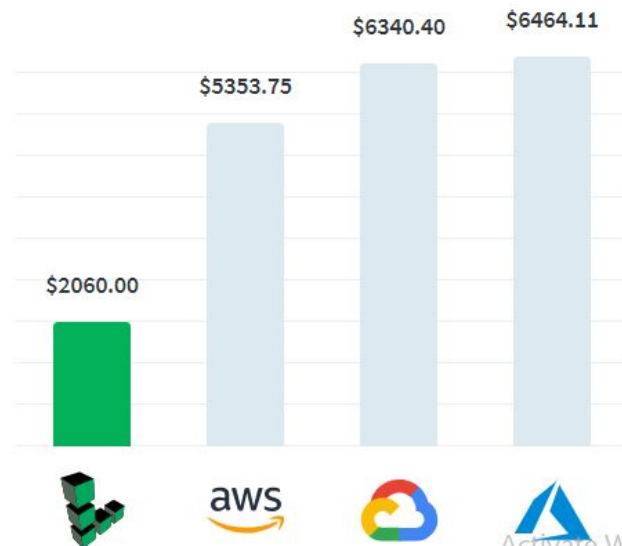


+10 TB

Additional Transfer



+10 TB



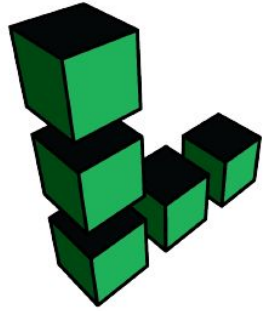
aws



Activate Windows
Go to Settings to activate Windows.

QnA ...

Check out:



linode

<https://www.linode.com/>

Thank You