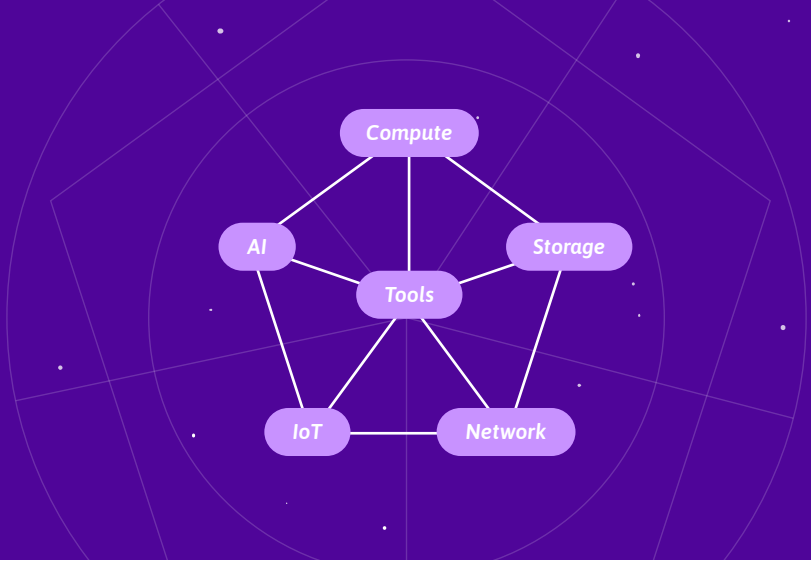


# Our Elements Ecosystem



Compute								
	Development Instance	General Purpose Instance	GPU Instance	Bare Metal	Kubernetes Kapsule	Container Registry	Serverless FaaS	Serverless CaaS
Storage								
	Object Storage	Block Storage	C14 Cold Storage	Database for PostgreSQL	Database for MySQL			
Network						 <small>Soon</small>	 <small>Soon</small>	 <small>Soon</small>
	Anti-DDoS	Load Balancer	Private Network	Domain	DNS	CDN	SMS	SMTP
IoT		 <small>Soon</small>						
	IoT Hub	IoT Edge						
AI								
	GPU Instance	AI Inference						
Tools								
	Console	API	CLI	Terraform	Cloud-init	SDK Go	SDK Python	Multi-user
	 <small>Soon</small>	 <small>Soon</small>						
	Cloud Projects	Monitoring						



# Load Balancer

Automatic traffic distribution of your applications to ensure a high infrastructure availability.



## Included Services



High Availability



Unlimited Transfer



Multicloud



Health Checks



Guaranteed Bandwidth



HTTPS Everywhere



Unlimited Backends



24/7 Ticket Support

**Bandwidth**  
Up to 1 Gbit/s

**Multicloud**  
On LB-GP-L offer

**Health Checks**  
HTTP(S), MySQL, PostgreSQL, LDAP, REDIS, TCP

**Balancing algorithms**  
Round-robin, sticky, least connexion

**Backend servers**  
Unlimited

**Redundancy**  
Active - Passive

**Service level**  
99.99% SLA

**HTTPS**  
Let's Encrypt & custom SSL certificates

Available regions:  Paris |  Amsterdam

## Use Cases

### ✓ Increase Availability

Load Balancer is the easiest way to build a resilient platform thanks to a primary-secondary architecture. All backend servers are monitored to ensure that traffic is distributed among healthy resources.

### ✓ Manage Peak Loads

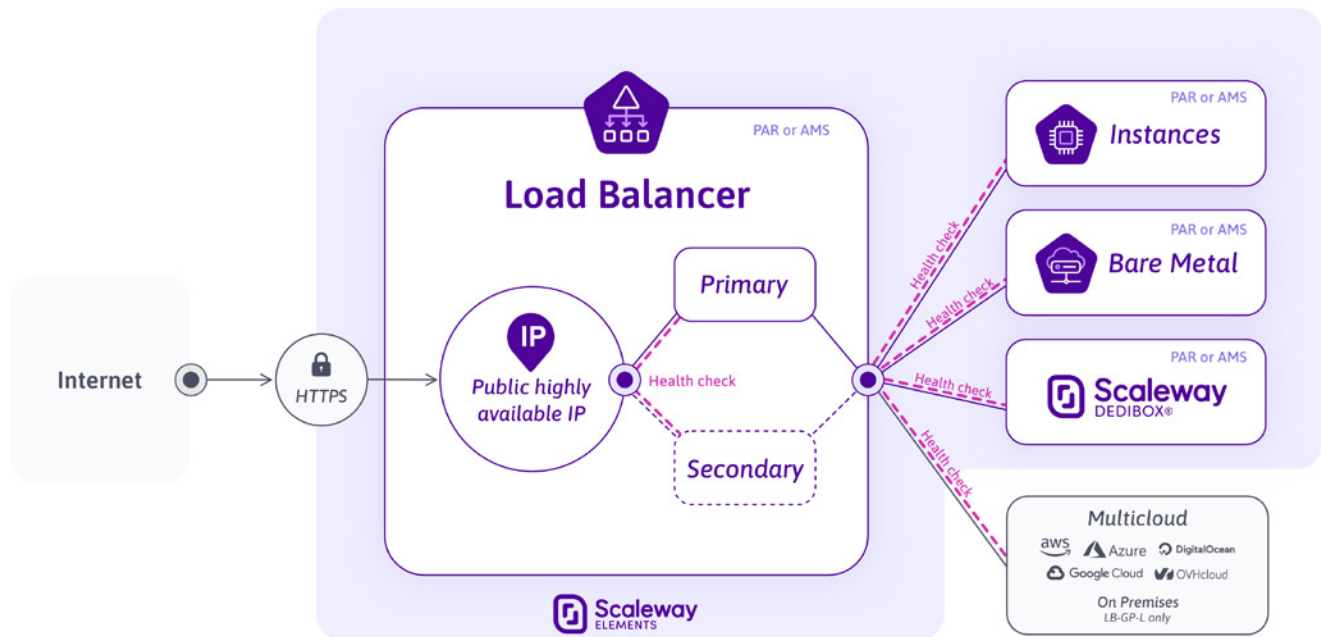
Avoid dips in performance by adding as many backend servers as necessary. Increase your processing capacity in a few clicks from the Scaleway console or configure automatic scaling using the API.

### ✓ Scale Your Business

As your business grows, you need more resources to succeed. With Load Balancer, you can easily scale your business by adding new backend servers to improve your quality of service without any downtime.

## Technical architecture

Load Balancer is designed with a redundant architecture that ensures the high availability of your infrastructure through a single public IP. Health checks ensure your backend servers are always up and running, whether they are Instances, Bare Metal cloud servers, Dedibox dedicated servers or resources from other cloud providers.



## Our Strengths

### ✓ Dedicated Resources

Scaleway Load Balancers run on a pair of dedicated cloud instances and not on shared servers. This allows us to guarantee bandwidth and not to count the number of rules applied or the volume of requests processed.

### ✓ Redundant Infrastructure

Our redundant architecture allows us to ensure a very high level of availability. Failures of the primary instance or backend servers are automatically detected and addressed to avoid the breaks in service.

### ✓ Multicloud Ready

Scaleway's multicloud offer lets you build a decentralized infrastructure, distributed among several cloud platforms or on-premises servers. Improve the reliability of your services and avoid vendor lock-in with Load Balancer.

Find the benchmark on [scaleway.com](https://scaleway.com) ▶

### Our range

Name	Multicloud	Backend servers	Traffic	Bandwidth
LB-GP-S	No	Unlimited	Unlimited	200 Mbit/s
LB-GP-M	No	Unlimited	Unlimited	500 Mbit/s
LB-GP-L	Yes	Unlimited	Unlimited	1 Gbit/s

### ✓ In addition

- General Purpose Instance**  
For more reliability and power
- Bare Metal**  
For 100% dedicated resources
- GPU Instance**  
For your AI and graphics processing cluster
- Development Instance**  
To quickly scale your cluster at a lower cost