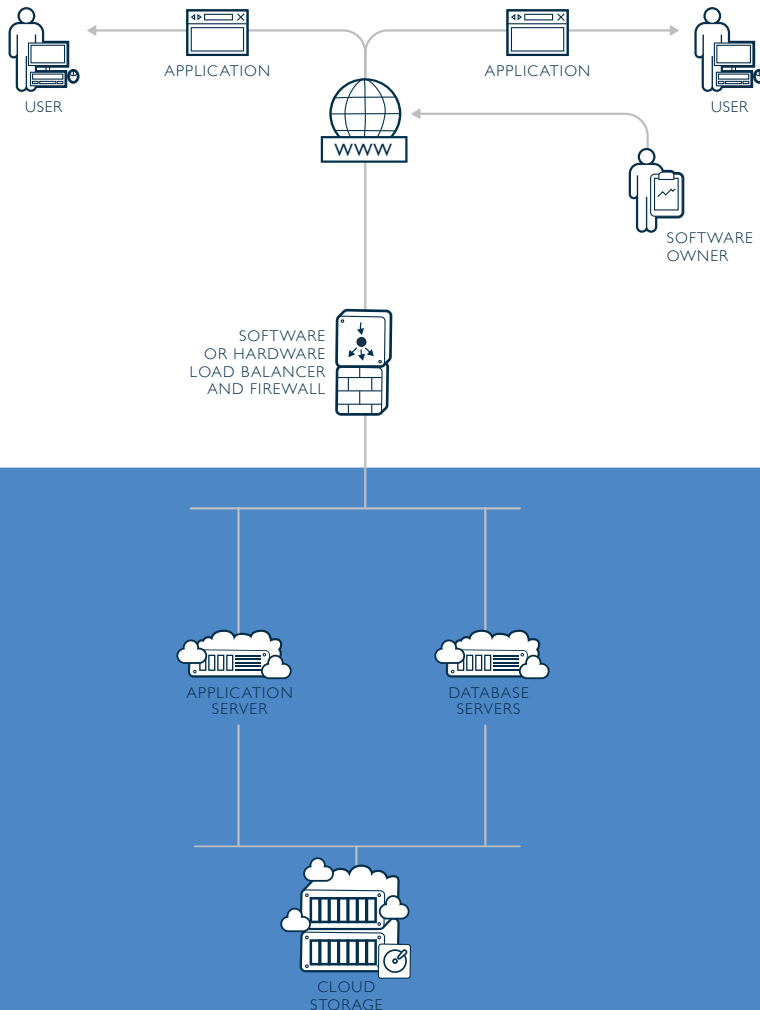


Infrastructure Blueprints for SaaS

Defining the right strategy and designing the right infrastructure for your SaaS business can be a difficult task. The following SaaS blueprints can help you get started.

① Starting out

This setup is designed for start-ups and smaller sized SaaS providers. The architecture is intended for a limited number of concurrent users, but provides the flexibility to scale up when needed.



A typical small setup consists of one or more cloud servers that are used for the application, database, and storage. Optional elements can include a software or hardware based load balancer and firewall. Depending on your needs, you may also want to get addition-

al DDoS protection beyond the standard level provided by the host. Small setups are usually fully self-managed, via a web interface in the hosting company's customer portal. Standard support is often included for free, and can be upgraded to basic service level support or

advanced support depending on your needs. This is a cost-effective solution for small dynamic environments. It is easy to scale as needs change and can be fully customized according to specific requirements.

Features

- ✓ Cloud servers
- ✓ Software or hardware defined networking (SDN): firewall and load balancer
- ✓ Management via customer portal
- ✓ Standard DDoS protection
- ✓ Fully self-managed

Perfect for:

- ✓ This architecture is best suited for a limited number of concurrent users at low cost

Benefits

- ✓ Cost effective solution for small dynamic environments
- ✓ Scale up as your needs change
- ✓ Customize the setup according to your needs

Budget range

€100–1000
per month

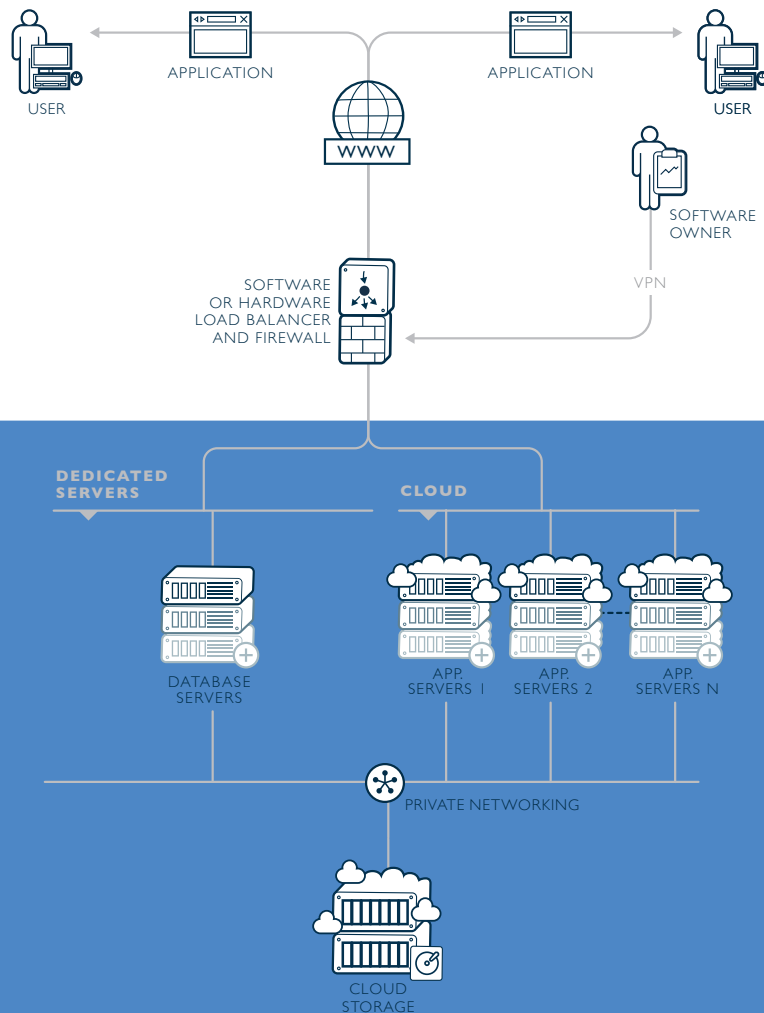
② Growing your business

Power and flexibility are key to a growing business. This can be achieved through a hybrid infrastructure that uses private networking to combine the advantages of dedicated servers and public cloud.

This setup is aimed at maximizing performance and flexibility. This is achieved by using dedicated bare metal database servers to provide raw compute power. Applications are stored in separate server silos, in a public cloud environment, while data can be hosted in

cloud storage. The dedicated servers and cloud are connected through a secure and unmetered private network. A VPN can be used to securely manage applications and infrastructure. A software based firewall and load balancer can also be added to the network.

Much like in the first setup standard DDoS protection is usually included, but you may want to consider advanced DDoS protection or a Web Application Firewall (WAF).



Features

- ✓ Hybrid Infrastructure combining the power of dedicated servers with public cloud
- ✓ Applications stored in separate server silos
- ✓ Secure and unmetered private network between servers
- ✓ VPN allows you to securely manage infrastructure and applications
- ✓ Software or hardware based firewall & load balancer

Perfect for:

- ✓ This architecture can support thousands of concurrent users

Benefits

- ✓ Rapid deployment of additional capacity
- ✓ Combination of maximum performance and scalability

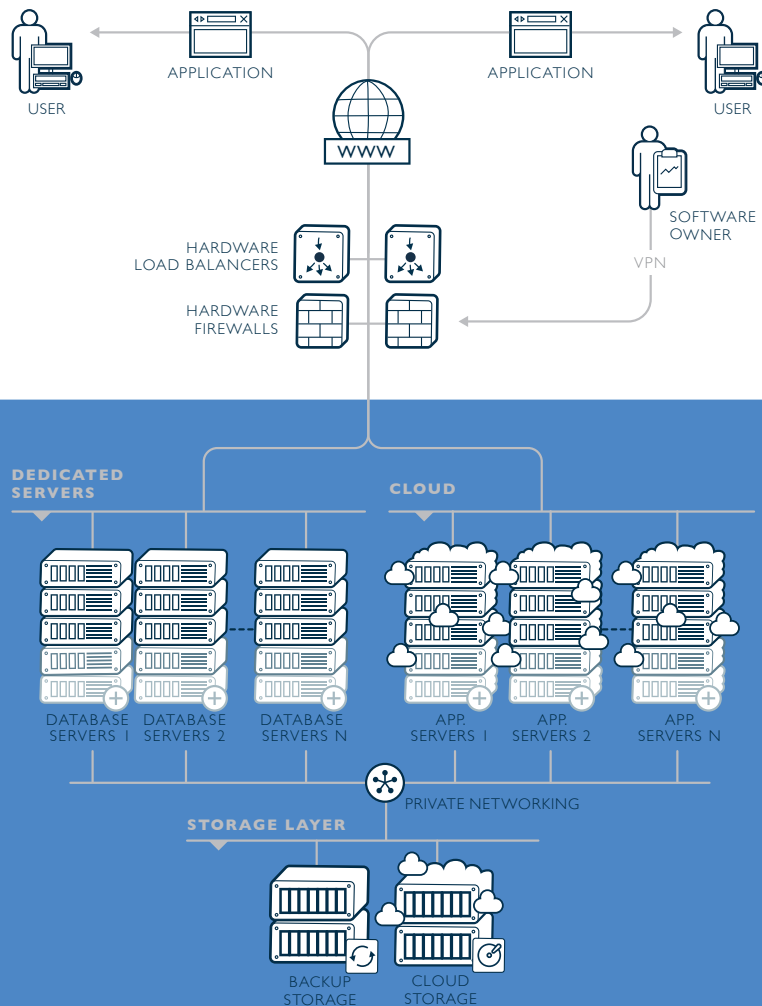
Budget range

€500–2000
per month

③ Enterprise capable

Enterprises need to be able to handle millions of concurrent users. This demands a hybrid architecture that makes use of dedicated servers for raw processing power in one or more private racks and private cloud for increased scalability.

Enterprise level setups are built to meet the most demanding requirements. Like the second setup this one also relies on dedicated servers for raw processing power, but adds in the security and scalability of private cloud. Applications are stored in separate server silos, storage is usually based on a SAN/NAS solution, and the racks are connected by a private network. A VPN allows secure management of the infrastructure, while redundant hardware, firewall, and load balancer provide increased security and reliability. Most setups of this size will have custom DDoS protection along with a Web Application Firewall (WAF). Other aspects to consider when building an enterprise setup are the addition of a CDN for enhanced speed, and SLAs to ensure that your business always has the support it needs.



Features

- ✓ Hybrid Infrastructure, scalable private cloud coupled with the raw power of dedicated servers
- ✓ Redundant hardware firewall & load balancer
- ✓ SAN/NAS storage solution
- ✓ Custom DDoS and domain protection
- ✓ Managed (IaaS) services

Perfect for:

- ✓ This architecture can support millions of concurrent users

Benefits

- ✓ Combining the raw power of dedicated servers with the scalability of a secure private cloud.
- ✓ Grow in model for migration at low cost

Budget range

€2000+
per month

SaaS

Powered by  leaseweb

When your company lives in the cloud, you don't just need a hosting provider with the best performance, you need one with the experience and knowledge to help you meet the unique challenges and customer requirements you face every day. Our years of experience working with leading SaaS companies around the world, combined with our comprehensive infrastructure solutions and lightning fast global network mean that we can find the perfect solution to help you keep your customers happy, and your business growing.

Top Tier Network

It doesn't matter how good your software is if your customers can't access it quickly and reliably. That's why our cloud hosting solutions reside on our lightning fast global network with 99.9999% core uptime, that incorporates 44 points of presence and 27 Internet Exchanges around the world.

Enterprise Grade Hardware

As a SaaS company, many of the processing requirements that were once carried out on a customer's own PC are now dependent on your servers. This high degree of processing power, requires the right hardware. That's why we only use industry leading servers including Dell, HP, and IBM, powered by the latest versions of Intel's Xeon processors.

Global Presence

The global economy demands global access. With the rapid rise of new markets, you need a hosting provider that can help you reach your customers where they are. With 16 data centers, and offices in Europe, North America, and Asia, our global cloud hosting solutions connect you with the world, while providing you the local knowledge and support.

Always on Support

As a SaaS company, every minute of downtime means lost revenue, and a decrease in customer satisfaction. That's why we have expert support engineers with a deep understanding of the technical and business needs of SaaS companies, and a range of comprehensive SLAs to guarantee that your business is always up and running.

Flexible Solutions

With a comprehensive product portfolio ranging from VPSs and dedicated servers, to fully customized private cloud solutions, we offer you the flexibility to quickly scale your infrastructure to meet the changing demands of your business. This lets you easily grow to meet customer demands, while keeping down costs and increasing your bottom line.

Efficient and Affordable

The need to continually invest in new technology along with ever shifting market demands mean that on premise hosting can quickly become a major financial burden for most SaaS companies. Our global cloud hosting solutions remove the weight of capital expenditures, reducing costs, increasing efficiency, and ensuring that you always have the latest technology.

Some of our customers

