



Secure Hosting in the Jamf Cloud

Put your company and user data in reliable hands

Companies used to store their data in physical servers before the arrival of cloud hosting services transformed how we look at managing and securing devices.

Today's technology and device management plans routinely consider storing data in Infrastructure as a Service (IaaS) solutions, migrating on-premises servers to the cloud — and for good reason.

Despite initial skepticism regarding its security and compliance, the cloud has proven to be a necessary tool for digital transformation, company growth and innovation. The cloud is flexible, scalable, time- and cost-efficient and above all, secure.

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More time for innovation and progression

The benefits of Jamf's cloud infrastructure from AWS and Microsoft Azure go beyond the technical aspects. Eliminating the need for manual checks, Jamf takes care of everything behind the scenes and allows for more freedom and progressiveness in your IT department. But how exactly does Jamf Cloud save time?

Ongoing security and update management is a repetitive, manual task, required to be carried out over and over again by an IT admin. While this has long been part of an IT admin's job, the opportunity of switching to Jamf Cloud now means admins can focus their work on more forward-thinking and innovative ideas and tasks. Similarly, the administration costs of database administration, ongoing security checks — such as server monitoring and updates — as well as backup administration and testing are highly time-consuming. Particularly in the beginning, significant effort must be invested in finding an alternative location for disaster recovery and establishing a response team for this purpose.

These are time-saving factors which most organizations and IT teams will benefit from. Depending on specific requirements, the list could be significantly longer for your daily operations without you even realizing it. Eliminating such tasks improves your daily work routine and more importantly allows you to place a larger focus on future-focused efficiencies to your operations.

The best part? Automations also ensure human mistakes, often made in repetitive, manual tasks, cannot be made in the first place. This not only gives you and IT peace of mind when the stakes are high, but also ensures responsibility and accountability for data storage, infrastructure and security.

It is no exaggeration to state that migrating from an on-premises server to Jamf Cloud changes how admins work on a fundamental level by allowing its users to take the initiative to modernize workflows and meet the progressing technology and business needs of the organization.



Technical Advantages of the Cloud

Before we get carried away with the benefits of Jamf Cloud for you and your organization, let's take a step back and look at the differences between the two deployment methods in more detail. This overview illustrates how Jamf Cloud saves on employee resources, works across all skill sets and largely automates time-consuming tasks.

| |  CLOUD |  ON-PREMISES |
|------------------------------------|--|---|
| Software Distribution Point | Built-in cloud distribution service for global package distribution | Customer provides servers for distribution points |
| Server Uptime | Jamf guarantees 99.9% uptime with 24/7 availability | Uptime dependent on server hardware and environment |
| Regional Cloud Locations | Data centers in the United States and Germany (when hosted in Azure or AWS) as well as UK, Japan or Australia (AWS only) | Customer provides servers |
| Jamf Pro Upgrades | Automatically updated with every release | Manual update process required for each update (6-10 times per year) |
| Disaster Recovery | Daily backups stored for 30 days | Customer responsible for configuring, testing, maintaining backups |
| Service Monitoring | All cloud services are monitored 24/7/365 with robust, proven, industry standard tools by Jamf Cloud experts | Customer responsible for monitoring |
| Security | SOC2 Type 2, ISO 27001 and ISO 27701 certified industry standard controls ensuring service availability, security and confidentiality are maintained at highest levels | Customer responsible for securing and maintaining servers |

An introduction to AWS and Azure

Similar to how Jamf is a leader in managing and securing Apple in the enterprise, AWS and Azure are the standard for public cloud infrastructure platforms. These platforms are adopted by millions of organizations globally, providing comprehensive services for businesses of all sizes. From small startups needing scalable solutions to large government agencies requiring stringent security, AWS and Azure deliver reliable, flexible, and innovative cloud-hosting options.

With data centers in many geographical regions and availability zones, Amazon and Microsoft both provide large global networks, enabling highly redundant and resilient cloud services. Both platforms provide the infrastructure and tools to meet diverse business needs, empowering organizations to run workloads seamlessly, securely, and efficiently.

Benefits of Cloud Hosting

Easy to use

Both AWS and Azure make it simple for application providers, ISVs, and vendors to host applications, whether transitioning an existing solution or launching a new SaaS offering. AWS offers the AWS Management Console and APIs, while Azure provides an intuitive Azure Portal and extensive SDKs to access and manage resources efficiently.

Reliable

Take advantage of a scalable, reliable, and secure global computing infrastructure.

Flexible

Select the operating system, programming language, web application platform, database, and other services you need. The virtual environment lets you load the software and services your application requires. This eases the migration process for existing applications while preserving options for building new solutions.

Scalable and high-performance

Both AWS and Azure offer auto-scaling and load-balancing tools to handle fluctuating workloads. AWS' Auto Scaling and Elastic Load Balancing adapt to changing demands, backed by Amazon's global infrastructure. Azure delivers comparable capabilities with Azure Scale Sets and Application Gateway, ensuring applications maintain optimal performance regardless of demand.

Cost-effective

Pay only for the compute power, storage, and other resources you use, with no long-term contracts or upfront commitments.

Secure

AWS utilizes an end-to-end approach to secure and harden our infrastructure, including physical, operational, and software measures. Azure uses advanced encryption, compliance with numerous global standards, and services like Azure Security Center to enhance threat detection and response.

Benefits of Cloud Computing

Agility

Get easy access to a broad range of technologies to innovate faster and build nearly anything that you can imagine. Quickly spin up resources as you need them– from infrastructure services, such as compute, storage, and databases, to Internet of Things, machine learning, data lakes and analytics, and much more. Deploy technology services in a matter of minutes, and get from idea to implementation several orders of magnitude faster than before. This gives you the freedom to experiment, test new ideas to differentiate customer experiences, and transform your business.

Elasticity

You don't have to over-provision resources up front to handle peak levels of business activity in the future. Provision the amount of resources that you actually need, and scale resources up or down to instantly grow and shrink capacity as your business needs change.

Cost savings

Trade fixed expenses (such as software, data centers and physical servers) for variable expenses, and only pay for IT as you consume it. Plus, the variable expenses are much lower than what you would pay to do it yourself because of the economies of scale.

Deploy globally in minutes

Expand to new geographic regions and deploy globally in minutes. Because AWS and Azure have infrastructure all over the world, you can deploy your application in multiple physical locations with just a few clicks. Putting applications in closer proximity to end users reduces latency and improves their experience.

Cloud security

All companies need effective data security. Through advanced infrastructure and data protection functionalities such as ongoing logging and monitoring, security threats to organizational data can be detected. Once detected, automated incident response and instant recovery features allow quick responses to remediate threats and hence prevention of their impact. Such automations, in addition to human action, further allows for a full remediation.

It is not only the security capabilities and their compliancy, Amazon and Microsoft conduct consistent monitoring, auditing and adjusting of how data is secured. This is particularly important as Jamf Cloud is scalable, meaning security is never compromised by your organization's growing data volume and complexity.

The Shared Responsibility Model for Jamf Cloud security

The cloud provider, Jamf and you.

Data security is about more than just the sum of its parts, meaning it's more than just a secure cloud infrastructure used in combination with a customer's data.

It's possible for a model or service that is secure to be non-compliant because it is not set up or utilized correctly, making the service itself no longer compliant.

This principle can be explained by the **Shared Responsibility Model**. Cloud security is made up of numerous aspects one can easily get lost in. While Amazon and Microsoft are responsible for security of the cloud itself (i.e., its infrastructure), Jamf is responsible for the security of the content in the cloud, and it's the responsibility of the customer to follow the rules of usage to ensure compliance.

Amazon and Microsoft are responsible for security of the cloud:

- ▶ Regions, availability zones, and edge locations
- ▶ Physical server level
- ▶ Storage device decommissioning according to industry standards
- ▶ Personnel security
- ▶ Network device security

Jamf is responsible for security in the cloud:

- ▶ Database Infrastructure
- ▶ Caching Servers
- ▶ Application Servers
- ▶ Load Balancers
- ▶ Cloud Storage
- ▶ Cloud Delivery Network

The customer is responsible for content in the cloud:

- ▶ Sites, software and licensing
- ▶ On-premises firewalls
- ▶ Maintaining IP whitelists

Jamf provides the following cloud-operations security measures:

Monthly patching ensures the infrastructure is up-to-date, stable and safe from security threats

Internal security scanning identifies vulnerabilities and assures customer resources are not exposed to the internet

Security incident management monitors, identifies, responds to and contains security threats

Continuous checks whether the Jamf Cloud is available and running as it should, at all times

Our existing Jamf Cloud customers who have migrated from an on-premises solution, can testify to the outlined benefits of Jamf Cloud.

For a full explanation on how bol.com migrated to the Jamf Cloud, check out their [customer story](#).

“ Together with Jamf, we checked in devices, ensured the policies worked properly and took a look at the performance enrollments. Everything worked, and we celebrated the success that we migrated to Jamf Cloud within three hours! What a great service from the migration services team! Now we're managing 600 Macs in Jamf Cloud and have full remote control over our devices, no matter where they are in the world. What a win! ”

– **Thijs Xhaflaire**,
System Administrator at bol.com

Would you too like to benefit from hosting Jamf Pro with Jamf Cloud and take advantage of our Migration Services?

Your Jamf Cloud subscription includes:

- ▶ Hosted Jamf Pro server with immense scalability
- ▶ Managed updates for Jamf Pro and underlying services
- ▶ Cloud distribution service for global package distribution
- ▶ Daily backups retained for 30 days
- ▶ 99.9% uptime and 24/7 availability
- ▶ Disaster Recovery alternate location
- ▶ Service monitoring with status dashboard
- ▶ BYOD supported

Your one-off Migration Services includes:



All upgrades to the Jamf Pro Server



Exporting all of your data and bringing it into the new Jamf Pro Server environment



Migration project management



Expectations meeting

If you are an existing customer using Jamf Pro, contact your delegated Jamf expert to discover how you can migrate to the Jamf Cloud. [Contact us](#)

You can use your committed spend in the AWS and Azure Marketplace toward Jamf offerings.

If you are not yet a customer and are interested in Jamf and the Jamf Cloud, request a free 30-day trial to get started today.

Request Trial

Ready to get started?

To learn more about how Jamf Cloud can make an impact on your Apple device management and security visit jamf.com/products/jamf-cloud

