



A cloud-based security approach

How secure is it?

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WHAT IS BOREALIS?

Borealis is a cloud-based solution, managed from a web browser. Therefore, you can log in and manage your access control solution with ease from anywhere with internet connectivity and from virtually any type of device.

Borealis only requires an inexpensive hub and an internet connection. As it is a browser-based management suite, there is no software to install on your computer.



With Borealis, you don't need to worry about disk space, software, or backup storage as your data is stored on a flexible and secure cloud server that can scale up and down with your system size.

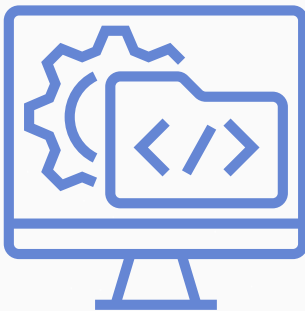
No software to install, no data loss.

- ✓ Keep your data secure and backed up with a guaranteed 'up time' of 99.99%
- ✓ Stop disruptions caused by computer or server problems.
- ✓ Cloud solutions keep themselves up-to-date without you having to worry about software updates or operating systems.



SaaS

Software as a Service or "SaaS" hosts the software application in the cloud, eliminating the need for expensive in-house servers and continual software updates. Customers can access and use the software, typically through a web browser, while the provider manages applications and updates.



With SaaS, you always have the latest version of the software. Providers regularly release updates and new features, which are automatically made available to customers. Also, you only pay for the software you use. There is no upfront cost for licenses or installation.

SaaS applications can be accessed from anywhere, at any time. An internet connection is all you need. With SaaS applications, team members can manage their access control solution easily and collaborate more effectively.



IS THE CLOUD REALLY THAT 'SPECIAL?'

81%

of all enterprises have reported that they have a multi-cloud strategy already laid out or in the works.

Source: TalkMarkets, May 25th 2022

A huge **94%** of businesses say they saw significant online security improvements after moving their data to the cloud. Source: Salesforce



91%

Furthermore, a massive **91%** state cloud tech provides immense help when dealing with government compliance requirements. Source: Salesforce

Borealis is powered by Amazon Web Services (AWS)



76%

Amazon Web Services (AWS) had a **76%** share of the enterprise cloud adoption in 2020.

Source: Aitrends, September 30th 2021

IS TRUSTING THE CLOUD A GOOD IDEA?

Keri Systems Borealis utilizes AWS for our cloud storage.

Amazon web servers are some of the most secure in the world. That's because Amazon takes security very seriously and has implemented a number of features to ensure that its servers are protected from attack.

For instance, all data is encrypted when it is stored on Amazon's servers using the AES-256 encryption algorithm. In addition, Amazon employs a team of security experts who are continuously monitoring for potential threats. AWS is monitored 24/7 by a team of highly skilled security specialists to ensure that your data is always secure and protected from unauthorized access.

Amazon regularly updates its security protocols to make sure that its servers are always current with the latest protections. As a result, you can be confident that your data is safe when it is stored on Borealis.

AES-256 is the technology Amazon uses to encrypt data stored on AWS. It would take at least a trillion years to break using current computing technology.

[Source: AWS. June 11th 2020](#)



AWS has a number of advantages over storing data on a physical computer at your facility. AWS servers are highly reliable and backed up regularly and, AWS servers are located in multiple geographic locations. This helps to ensure that your data is always available and easily recoverable, even if one of their servers goes down. This means that storing data on Amazon's servers is a far more reliable and secure option than storing the data on a physical computer at your facility that could fail.

AES-256 is strongest industry-adopted and government-approved algorithm for encrypting data.

Source: [Amazon](#)

With on-premise storage, your data is at risk of being lost, stolen, or locked by a ransomware attack until a ransom is paid should someone gain access to your servers. With cloud storage, your data is stored off-site and is therefore much more difficult to access, and can be recovered with ease in such events.

The security deployed by AWS is far more sophisticated and advanced than any antivirus or firewall software most companies can install on a physical computer. Pair this with AES-256 encryption and 24-7 monitoring by Amazon's security experts and you have one of the most secure experiences you can achieve.



THE BENEFITS OF CLOUD SECURITY

Cost Savings

An advantage of cloud security is the cost savings. When you store data on-site, you have to pay for the physical space, the electricity to power the servers, and the staff to manage them. But with cloud storage, you only pay for what you use. There's no need to invest in hardware or infrastructure, and you can scale up or down as needed. This can lead to significant cost savings over time, and reduce logistical challenges.



Increased Efficiency

Another benefit of cloud security is increased efficiency. When your data is stored off-site, it's easier to access and share. You can give employees and partners access to specific operator permissions, and they can access them from anywhere in the world. This increases collaboration and helps business efficiency/on-boarding.



Cloud storage also offers the ability to scale up or down as needed, so you can always have the right amount of storage for your needs.

THE BENEFITS OF CLOUD SECURITY

Improved Disaster Recovery

One of the biggest concerns for businesses is data loss. Whether it's due to a natural disaster or a cyberattack, data loss can be devastating. But with cloud storage, you can quickly and easily recover your data. Keri Systems in conjunction with AWS offers backup and disaster recovery services so you can rest assured that your data is safe and secure.



Enhanced Security

By using cloud based architecture, your security will be enhanced. When your data is stored off-site, it's more difficult for hackers to access. Only those who have been granted permission can view or manipulate data. That's because most cloud providers use military-grade encryption to protect your data so even if your account is hacked, your data will remain safe and secure.



PROTECTING YOUR SECURITY PROCEDURES

Access control systems are an essential part of any security strategy. They can help prevent unauthorized access to physical facilities and assets. But how do you prevent unauthorized access to the server your data is stored on?

Cloud storage is much more secure than traditional on-premise storage methods. By using a cloud-based system, you minimize the risk of your data being lost or stolen by removing the ability to physically access the server and your stored data. Since the data is stored on the cloud, not on the physical server itself, it becomes much more difficult to access without the correct permission.

Additionally, cloud-based solutions like Borealis can provide additional security features such as two-factor authentication to truly validate who can access your data.

Overall, using cloud storage for data recovery is the best option for most businesses when security is paramount. It is more efficient, more secure, and more flexible than traditional storage methods. If you are not already using cloud storage for data recovery, now is the time to make the switch.

**Built with the
Highest
Standards for
Privacy and
Data Security**



DATA RECOVERY - CLOUD V PHYSICAL STORAGE

Any individual or business can be devastated by losing important data. That's why data recovery is so important. And when it comes to data recovery, using a cloud service is much safer and cost-effective than storing your data on physical on-premise storage devices.

There are many benefits of using cloud storage for data recovery.

- 1** Cloud storage is much more scalable than physical storage. You can easily and cost effectively add or remove capacity as needed, without having to purchase new hardware.
- 2** Cloud storage is more resilient than physical storage. If one server fails another automatically takes over ensuring your data is still safe and accessible from that new server.
- 3** Cloud storage is more accessible than physical storage. You can access your data from anywhere in the world, at any time, as long as you have the appropriate privileges.
- 4** Cloud storage is more secure than physical storage. Your data is encrypted and stored in a secure data center and is therefore much more difficult to access.

One of the biggest concerns for businesses is data loss. Whether it's due to a natural disaster, equipment failure, or a cyberattack, data loss from on-premises devices can be devastating.

Advanced data recovery can cost up to \$2,000 to restore data from a failed hard-drive



Using cloud storage for data recovery is often the best option for most businesses. It is more efficient, reliable, more secure, and more flexible than traditional storage methods. If you are not already using cloud storage for data recovery, now is the time to consider making the switch.

By using Borealis your data will always be safe and recoverable, which is a critical aspect of your security solution.

Data unrecoverable?

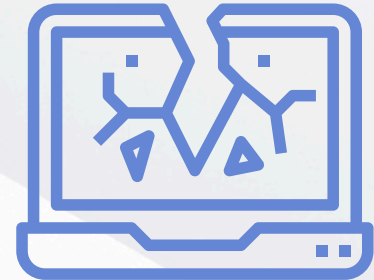
How costly to your business operation would it be to recreate your access control system from scratch and re-enroll possibly thousands of credentials? And how much time will it take?

With cloud storage, you can quickly and easily recover your data.

ERADICATE THE RISK OF MALWARE AND RANSOMWARE

Malware and ransomware are two of the biggest threats to businesses today. How exactly can cloud security help?

Malware is a type of software that is designed to damage or disable computers, where-as ransomware is a type of malware that encrypts files and demands a ransom for the decryption key.



Cloud-based security solutions can provide an extra layer of protection against malware and ransomware.



Borealis uses AWS ultra-secure servers to store your configuration and data, therefore there is nothing physically on the device that can be encrypted and kept to ransom.

This would allow you to remove the infection on your device without the worry of losing your access control data as this is stored in the cloud, allowing your business to resume as normal.

By using a cloud-hosted solution, you are being proactive against these attacks, as your data is stored away from any infected devices.

LOOKING TO MOVE YOUR ACCESS CONTROL SYSTEM TO THE CLOUD?

Here are the benefits:

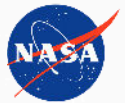
- 1 Remotely unlock doors from a mobile device.
- 2 Modern and intuitive user interface
- 3 Existing installs can be converted easily
- 4 Multi-factor authentication
- 5 The cloud architecture means no software needs to be installed or updated. The Borealis access control solutions is automatically updated, when required.

DONT JUST TAKE OUR WORD FOR IT

For mission-critical applications, or sensitive data, large organizations choose to use the cloud.

LARGE ENTITIES THAT TRUST THE CLOUD

For Security and Compliance, Customers Choose AWS



[View Who](#)

Secure your data with the help of professionals that spend billions of dollars on privacy & security.

Contact Us

Protect what matters most
with help from local Keri Systems security experts



We're a global operation, we're always
accessible no matter where you are

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