Spictera Unified Storage

Simple Secure, Enterprise Compliant

AT A GLANCE

Spictera Unified Storage® is a platform suite that simply and securely enables and manage storage content on any device by integrated access control. It is available as an annual subscription or perpetual on-premises license.
Spictera Unified Storage® integrates with applications using an open frame-work that is easy to adjust to the customers need. With Spictera Unified Storage®, organizations can evolve the siloed storage and infrastructure investments, enabling all applications, device and content across the organization to accelerate the digital transformation to new modern platforms by enabling new storage methods.

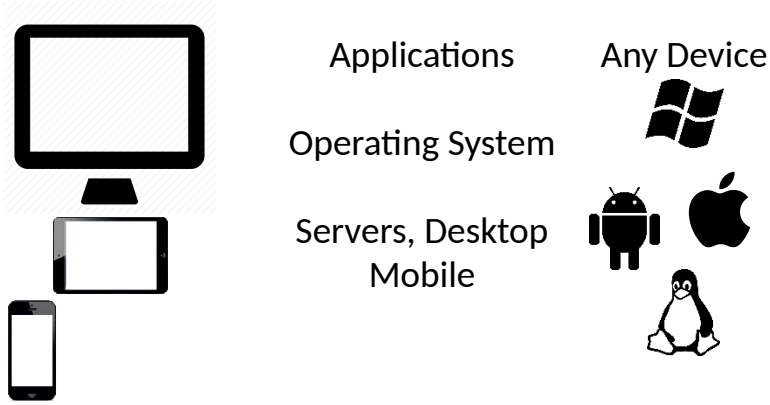
KEY BENEFITS

Spictera Unified Storage® can drastically improve experiences and tasks that were previously costly, time consuming, and resource intensive. With Spictera Unified Storage® IT organization can:

- Onboard new applications or devices without a need of involving helpdesk
- Set and enforce access, information lifecycle and data-retention policies across all applications, and devices in one place.
- Secure your data using your own security policies

Key Market Trend

The rapid trend to use new modern applications – such as software-as-a-service (SaaS) applications– coupled with the proliferation of new devices, operating systems, applications and appliances has introduced new challenges. The modern applications sit often outside of the traditional corporate network, and they have to be supported and compliant with regulatory and company requirements. The growing proliferation of mobile apps also gives rise to inconsistencies in security posture and requirements that must be addressed to manage cost. To be productive whenever and wherever, employees have gone around traditional rigid and old policies. Organizations face the critical decision to either ignore these trends at the peril of unintended security breaches and data losses or embrace a new way of securing it business and mission critical data, leveraging a new management framework to protect its information.



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LEARN MORE

Find out more about Spictera Unified Storage® by visiting spictera.com/index.php/solutions/spictera-unified-storage

FOR MORE INFORMATION OR TO PURCHASE SPICTERA PRODUCTS

Email info@spictera.com , Call +46729224785, visit spictera.com/products, or search online for an authorized reseller.

What is Spictera Unified Storage?

Spictera Unified Storage® is a unified storage platform that enables flexibilities to connect any device to the storage using different protocols, opens the flexibility to connect different types of media to store the content, based on configured policies, with a centralized management console that enables security, data retentions, versioning, replications, tiering, encryptions, filtering, and access control. The information stored is ransomware protected using WORM technique, hindering the data previously written from being overwritten or removed.

It begins with consumer-simple access to storage, using a protocol that easily can transfer through any type of network. This enables the portability and flexibility to not be bound to just one type of device, and instead use any device. Spictera Unified Storage® is powered by intelligence and uniquely identifies content that can be bound to policies used to define data retention, versioning, media usage, replicated copies. This makes it possible to use Climate friendly storage devices that help reduce Carbon Oxide emissions. Spictera Unified Storage® has a unique technique to take unlimited number of space efficient snapshots on any device, stored offsite from the server, with the capability to restore this to any place nearly instantly. The snapshots are protected with WORM techniques. Each application consistent snapshots that has multiple volumes are grouped together making it easy to restore individual volumes as well as a whole application. Application consistent snapshot will not only save time to take backup, it will also save the resources needed to perform data copying to and from the backup device, the time to restore, as well as the amount of required backup storage needed to store all the backups.

Key capabilities

With consumer-simple access to the Spictera Unified Storage, web, mobile, Windows, Linux onboarding of new application can be seamlessly be installed. Once authentication through the Spictera Unified Storage applications and devices can instantly access their information across platforms.

CAPABILITY	DESCRIPTION
Deliver access to information across platforms	The uniformed protocol makes the access to information accessible from any place configured, whether it is inside a corporate network, or externally, using a centralized access policy and network security

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	restrictions.
Ransomware protection using WORM techniques	Each written object, whether it is a file, directory, bucket, is protected from ransomware or malware using Write Once Read Many (WORM) techniques. Saving or sending an object with a name that already exists will not overwrite the data, but will instead add a newer version of the same object.
Ransomware detection	Any attempt to change mime-type of a file or object will be rejected and reported, unless approven.
Reusable storage	Snapshots from a production environment can easily be loaded to a quality assurance or test environment for validations.
Climate Smart	Data reductions, such as de-duplication and compression techniques, can be used to reduce storage capacity needs. Moving inactive data to media with lower energy consumption, such as tape, can help reducing not only the costs but also the Carbon Oxide emissions. Selcting the right sort of media for your requirements, where active data can be placed on one type of media, and inactive data can be placed on other type of media, or based on type of data (Eg audio/*, or based by name or path, Eg *.mp3). Advanced filter can also help to use the right media for the content stored (for example audio/* should be stored on Tape) Using snapshots instead of legacy backup techniques reduces the resources

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	needed for data copying as well as the capacities needed to store the storage.
Continuous data protections	Integrated backup will improve the restore point objectives (RPO) by having the transactional data being protected continuously. Information stored can be replicated to different remote site locations using optimized data transfer protocols; this reduces the risks of data loss.
Easy enrollment and automations	The backup can be included in the packages (Backup as a code), which makes automation and enrollment easier.
Flexibility to connect any device	Connection to information can go over local area network, wide area network, storage area network, whether it is using file storage, object bucket storage or as a VTL
Improved availability of information	Information stored on different sites will be accessible using a built-in automatic failover and fall back technique, ensuring that the information is reachable even if either location is unavailable.
Secure your data by using your own private encryption key	Data is protected in transit, but can also be protected at rest using encryption on the hardware selected, or the storage pool, or before being transferred to the targeted media using the own private key for the encrypted data. It is possible to decide which of the data should be encrypted based on path, name, or type of data (Eg audio/*).
File data access	Accessing data via paths is possible if the data is mounted as a drive or file-

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	system
Archive	The information stored can be kept as an archive. This can be useful for long time storage
Backup	The information stored can be kept as backup, where the last file/object is kept forever until a newer version replaces the file/object, or someone performs a remove (rm/del) request. The behavior of a remove request can be controlled centrally, where a remove can either remove the object (file) immediately or mark it as liable for being removed based on retention policies.
Virtual Tape Library	Virtual Tape Library access for those who have this as a requirement. This can be useful to replace physical tapes with virtual tapes so that the same storage solution can keep all types of data.
Bucket (S3)	Modern storage solutions often uses buckets, or Content Addressed Storage (CAS). The solution can be used to setup your own buckets
Flexibility to protect any type of data	Use your favorite tool to protect your data, whether it is pg_dump, pgprobackup etc it will still work. This reduces the educational need to learn how to use an agent, as one can use the already known skills
Compliant	A vendor software solution often comes with a supported method to protect its data. This often involves backup to a bucket or to a file/directory path. Replacing this with an agent to protect the data might break the supportability from the

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	software solution vendor, which also might affect external routines, etc. Why is replacing the supported way to protect the systems with new? You can easily use either of the following methods to protect the data without breaking the vendors support contract.
Data loss prevention	Authentications, authorization, and encryption are examples of security mechanisms to protect the data stored.
GEO fence	Setting rules based on the device geographical location, allowing or rejecting access based on the device location, whether it is an address, country or multiple GPS coordinates in a polygon that illustrates a location on map.

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