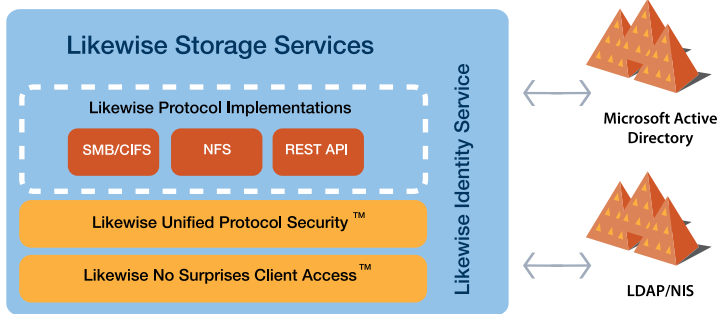


# Likewise Storage Services

DATASHEET

## High-Performance, Cross-Platform Storage Software

Likewise Storage Services provides a multiprotocol, identity-aware platform for network access to files used in OEM storage products built on Linux- and Unix-based devices. Whether you're building a cloud storage offering, cloud gateway, traditional NAS device, cloud caching device, network acceleration device, or another application where you need to provide secure access to files across a network, Likewise Storage Services can help.



**Multiprotocol access.** The Likewise Storage Services platform supports both the SMB/CIFS and the NFS protocols, making it usable simultaneously by Windows and Unix or Linux clients. A cross-platform, multi-protocol file server solves the interoperability problem that separates the data of Unix users from the data of Windows users, providing a consolidated approach to storage for users of all types of computers. Consolidating storage frees you from the silos of platform-specific storage, reducing the cost of storing and managing data.

**Expert development team.** Likewise offers dedicated resources to quickly and efficiently work through coding challenges, bug fixes, and support issues. Save the time and high cost of hiring developers by working directly with Likewise's dedicated support resources.

**Consolidated data management.** Data silos bring data management issues. Consolidating silos reduces the costs of data management, software, and hardware.

## Multiprotocol File Server for SMB/CIFS, NFS, and HTTP/REST

**Unparalleled Security.** With Likewise Storage Services, you can create security permissions by applying Microsoft Access Control List (ACL) security descriptors to file objects across multiple protocols, ensuring consistent and unparalleled data security. Unauthorized access is prevented through the Likewise Identity Service, a highly secure, cross-platform access control engine that authenticates users with a directory service. The result reduces security holes and simplifies provisioning of user access to stored data.

## OEM Partner Benefits

- Reduce time-to-market
- Reduce ongoing development efforts and costs
- Improve customer satisfaction
- Accelerate sales cycles

## End-User Benefits

- Reduce security holes across platforms
- Simplify provisioning of user access controls
- Lower the cost of data management, software, and hardware
- Decrease administrative complexity and increase resources for allocation
- Flexible, reliable, scalable, high-performance

## Why OEM Likewise Storage Services

Commercial licensing and professional support make Likewise Storage Services the preferred choice for OEMs wanting to add multi-protocol platform support to their next storage project. The modular code base includes multiple levels of publicly accessible APIs to provide the foundation for interoperability in a variety of storage products. If you are considering replacing your existing protocol support or

building a new Linux- and Unix-based storage product, you will benefit from the scalable, high-performance SMB/ CIFS, NFS, and HTTP/REST protocol support provided by a single, unified platform. Our extensible software architecture makes it easy to implement third-party device drivers. As a Likewise OEM partner, you receive dedicated support resources to quickly and efficiently work through coding challenges, bug fixes, and support issues.

### Technical Features

- Microsoft server-side protocol support for SMB/ CIFS 1.0, 2.0, and 2.1
- NFS v3 remote file protocol support
- Cloud enabled with available REST API based on SNIA CDMI 1.0.1 specifications
- Multi-threaded, modular, user-space architecture
- Multi-tenant support for authenticating users in different Microsoft Active Directory domains
- Support for all the Windows access control list rights
- Consistent access semantics across different network protocol clients
- Remote management capabilities from Windows applications
- RPC compatibility with Windows applications, including commonly used network transports such as TCP/IP and dynamically loadable named pipes
- Support pending for SMB 2.2, NFS 4.1, and NFS 4.1 with pNFS

### Next Steps

Likewise Storage Services is a scalable, high-performance solution, suitable for multiple types of workloads in both small and large environments. To obtain more information or to try Likewise Storage Services, contact [oem@likewise.com](mailto:oem@likewise.com) or visit [www.likewise.com](http://www.likewise.com).

### About Likewise

Likewise makes an integrated software platform for identity, security and storage used by market-leading storage vendors such as HP and EMC. Likewise enables organizations to provide both access to and control of their assets across mixed network environments.

Feature	Likewise Storage Services	Other Options
Commercial Licensing	✓	✗
Professional Support	✓	✗
NFS 3.0	✓	Unknown
HTTP/REST	✓	Unknown
SMB 2.1	✓	Unknown
SMB 2.2	Coming Soon	Unknown
Storage virtualization layer for multiple protocols	✓	✗
Identity federation	✓	✗
Global authentication	✓	✗
Consistent security policy and permissions across multiple protocols when running in mixed-mode	✓	✗
Single-process, multi-threaded architecture	✓	✗
Support for advanced analytics and governance for audit, reporting, and entitlement management	✓ *	✗

\*The Likewise Data Analytics and Governance application is available as an add-on application for OEM storage vendors seeking to differentiate their product. OEM storage vendors can include advanced analytics and governance of unstructured data with robust event collection, auditing, entitlement management, dashboards, and reporting.