

Likewise Data Analytics and Governance Application

DATASHEET

Unstructured data challenges

Unstructured data accounts for half of the data stored today – and will grow to 80 percent by 2012. It often includes sensitive information like financial data, medical records and business intelligence. The need to secure, manage and understand the data is a requirement. Heterogeneous environments and poor systems for managing data often add both cost and risk. Access barriers, security gaps and a lack of governance make matters worse. A CIO needs to give employees access to their data while enforcing regulatory controls.

Auditors, records managers, and data owners need to lock down sensitive data and demonstrate compliance with verifiable reports. Information workers need easy access to their data while working within corporate policies.

Likewise Data Analytics and Governance

Likewise Data Analytics and Governance manages unstructured data by addressing the challenges posed by a mixed network. Working at the intersection of identity, security and storage, the application enables organizations to secure, analyze, govern, and audit unstructured data.

Organizations can consolidate user access across data silos, enforce consistent access policies, and manage entitlements from a single point. The result reduces risk; increases productivity through visibility; identifies root causes of security, performance, and access issues; and reduces costs.

Key features

Centrally manage entitlements

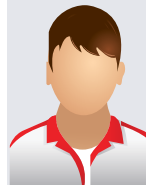
- Identify and contact data owners to address under- or over-provisioned users or groups.
- Automate and simplify provisioning of entitlements and empower data owners to manage their own entitlements.

Unstructured Data: A Company Wide Problem



CIO

“I need to enable the business to access data but need regulatory and legal compliance controls to keep me out of jail”



Data Steward

“Where is my business-critical data and how do I control access to my data and get audit reports to prove compliance to corporate policies?”



Employee

“I am unsure what is required for compliance to corporate policies – but I do need consistent access to my data from anywhere”

- Centrally view users, groups and netgroups in Microsoft Active Directory, LDAP, or Sun Microsystems’ Network Information Service (NIS).
- Use previously defined user or group privileges to set access policies and understand permissions.
- Identify all multi-tenants on NAS systems and data owners for all data.

Audit user access for compliance

- Understand user access and identify patterns of access to unstructured data.
- Event-based notification that meet audit thresholds and customizable notification for escalation.

- Identify and monitor sensitive data that falls under legal, regulatory or other compliance requirements.
- Generate compliance audit reports – including tools to create reports for HIPAA, ITAR, PCI DSS, Sarbanes-Oxley, GLBA, and FISMA.
- Feed relevant information to existing SIEM or reporting tools.
- Secure chain of custody guarantees that you will pass an auditor's scrutiny of your processes.

Increase security and proactively remediate

- Consolidate management of entitlements across data silos by setting blanket security policies for user and group access and file security descriptors, eliminating gaps in security.
- Provide policy-driven exception-based monitoring with real-time event alerting. Send alerts through a variety of alerting mechanisms, including email, SNMP, and other methods.
- Proactively remediate directly from the Likewise application interface. Centrally manage entitlements in only one location.
- Provide a central repository for change management of security policies and configuration policies. Keep track of when a change was made and who made the change. Back out unexpected changes.

Modern architecture

- Architected as a big data solution, delivered as a virtual appliance and deployed as a private cloud, it offers significant advantages over traditional approaches in terms of scale, performance, security, administration, and cost.
- Emphasis on performance and scalability for large enterprises that create a tremendous amount of data about their data. Our commercially hardened SQL and NoSQL infrastructure with polyglot persistence is the only solution on the market today that can scale beyond a departmental deployment.
- Leverages low-cost commodity hardware that scales out rather than scales up as your requirements expand.
- Eliminates the need for costly database administrators with an easy-to-manage virtual appliance.

- Extensible to a wide range of events or log data through a predefined RESTful API for moving and writing data to the application for analysis and reporting.
- Support for NAS devices using the Likewise Storage Services platform as well as NetApp and EMC NAS devices with events or logging enabled.

Better manage your unstructured data with advanced analytics

- Contextual information on users and groups, file security settings, data sensitivity, and access patterns improves management of storage infrastructure, including performance and utilization, service level agreements, and chargebacks.
- Robust analytics capabilities support a variety of predefined and ad hoc queries for both real-time operational and historical reporting.
- Out-of-the-box, customizable dashboards help you get started quickly by highlighting potential problems. Simply and easily monitor usage, ownership, and classification of data. Easily identify unusual usage patterns and perform internal audits.
- Easily export relevant information from dashboards in a variety of formats to third-party toolsets.
- Identify NAS users that are over-utilizing valuable NAS resources on a given system and help to quickly identify users or applications that are causing a NAS controller to reach its write-pending limit.
- Run configuration queries against multiple NAS devices to identify configuration differences to understand behavioral differences.
- Identify workloads on a NAS system to isolate over-utilized NAS systems versus under-utilized NAS systems from a resource perspective or disk-utilization perspective.

Next steps

The Likewise application is available in limited release as part of a customer beta program. The benefits of joining the beta program include discounted software and an opportunity to become a go-to-market strategic partner. To find out more, contact oem@likewise.com or visit 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.