Druva for Hybrid Workloads

Organizations adopting a cloud-first approach encounter significant limitations with traditional data protection, including expensive on-premises infrastructure, complex management, escalating storage costs, and inadequate protection from advanced cyber threats like ransomware. Additionally, these legacy systems often fail to provide visibility, integrated security, and the agility required in today's hybrid environments.

Druva offers a radically simplified approach to protecting and managing data across diverse hybrid workloads. Built as a 100% SaaS solution, Druva delivers integrated backup, disaster recovery (DR), and data archival in a unified cloud-native platform, fortified with advanced cyber resilience capabilities.

Why Druva for Hybrid Workloads?

Unified Protection Across Diverse Workloads

Leverage Druva's unified platform to seamlessly protect data across physical servers, virtual servers (VMware, Hyper-V, Nutanix AHV), hybrid cloud infrastructure (VMware Cloud), NAS or cloud file storage, and databases (MS-SQL, Oracle, SAP HANA). Streamline data protection management from a single console.

DruAI for VMware

Harness the full potential of AI with DruAI-powered agents to intelligently guide and automate the VMware restore process — including investigation, policy validation, and execution.

Advanced Cyber Resilience

Druva's solution goes beyond traditional backup, delivering comprehensive ransomware protection and recovery capabilities, including:

Air-Gapped and Immutable Backups: Isolate backup data from primary environments to protect against ransomware, accidental deletion, and insider threats. Ensure data immutability with secure encryption and strict access controls.

Integrated Threat Hunting: Proactively scan backups for indicators of compromise (IoCs), enabling swift remediation. Automatically detect threats across backups to ensure rapid and secure data restoration.

Accelerated Ransomware Recovery: Rapidly recover clean, unaffected data, minimizing downtime through curated snapshots and automated anomaly detection. Quickly restore operations from trusted, verified recovery points.

Security Posture and Observability: Gain real-time insights into backup security, detect unusual data activities, and respond faster with integrated observability dashboards. Enhance security posture with continuous monitoring and actionable alerts.

Managed Data Detection & Response (MDDR): A fully managed service, get 24x7 security monitoring and threat detection across your backup environment. The Druva Incident Response team swiftly verifies threats, locks down access, and supports customers through incident response and recovery to minimize impact and accelerate resolution.

Key Features

Data Backup and Recovery

- Incremental-forever backups with unlimited restore points
- Global, source-side deduplication (reducing bandwidth usage by up to 80%)
- High-speed LAN-based backup and restore via CloudCache
- Granular file-level search and recovery across snapshots

Administration and Compliance

- Centralized, cloud-based management
- Unified interface for hot, warm, and cold storage management
- Automated long-term retention with auto-tiering for regulatory compliance
- Actionable, predictive analytics for storage optimization

Multi-Cloud and Hybrid Cloud Support

- Seamless integration with AWS and Microsoft Azure environments
- Cross-region and cross-cloud data protection capabilities
- Support for diverse deployments: cloud-native, hybrid, and multi-cloud

Enhanced Data Security

- Immutable, air-gapped backups with advanced encryption (AES-256, TLS 1.2)
- Zero-trust architecture with role-based access control (RBAC)
- SOC-2 Type II, HIPAA, Privacy Shield, and FedRAMP-moderate certifications

Disaster Recovery (DR)

- One-click failover and failback with automated runbook orchestration
- Rapid failover with minimal RTO and RPO
- DR into customer-owned VPCs or cloned VPCs across regions/accounts

Data Archiving

- Lower costs for compliance with both auto-tiering to cold storage and direct backups to archive storage
- No limitation to the number of aged snapshots
- Shared global dedupe index for lower-cost, long-term storage

Customer Benefits

Simplified Deployment

- Fully SaaS-based, Druva eliminates complex setups and deploys in minutes, safeguarding data quickly with no infrastructure or upfront costs.

Improved Visibility and Control

- Get complete oversight with a unified interface. Simplify monitoring, boost control, and make smarter decisions with detailed workload visibility.

Reduced Complexity and Cost

- Reduce total cost of ownership by up to 40% by eliminating hardware, employing global deduplication, auto-tiering to cost-effective storage, and leveraging a consumption-based model with no egress charges.

Rapid, Reliable Recovery

- Minimize downtime and protect critical data with Druva's advanced recovery, ensuring fast restoration and business continuity.

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Druva is the industry's leading SaaS platform for data security, and the only vendor to ensure data protection across the most common data risks backed by a $10 million guarantee. Druva's innovative approach to backup and recovery has transformed how data is secured, protected and utilized by thousands of enterprises. The Druva Data Security Cloud eliminates the need for costly hardware, software, and services through a simple, and agile cloud-native architecture that delivers unmatched security, availability and scale. Visit druva.com and follow us on LinkedIn, Twitter, and Facebook.

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Enterprise Data Security for Microsoft Entra ID

As the backbone of identity and access management (IAM) for Microsoft Cloud resources, Entra ID (formerly Azure Active Directory) is crucial for maintaining business continuity. Druva's 100% SaaS solution provides an efficient, automated, and simplistic way to protect and recover Microsoft Entra ID objects, ensuring your organization remains resilient against disruptions.

The challenge

Microsoft Entra data shows attempted password attacks increased more than tenfold in 2023, from around 3 billion per month to over 30 billion. This translates to an average of 4,000 attempted attacks per second targeting Microsoft Cloud identities[1]. If Entra ID isn't available, your users can't work in Microsoft 365 or Azure Cloud. To ensure resilience against Entra ID outages, compromises, and misconfigurations, your organization must have reliable access to its data.

Druva's Microsoft Entra ID solution enables organizations to take a policy-driven approach to protect their Azure Identity and Access Management, minimizing downtime and expediting the recovery of critical data and services.

Ensure Entra ID data is always secure and available

Druva's 100% SaaS Solution provides a simple and efficient way to ensure you can recover your Microsoft Entra ID objects quickly, avoiding costly disruptions and reputational damages to your organization. By storing data in logically air-gapped storage fully hosted by Druva, ensure your Entra ID directory services can be restored efficiently in the event of cyber threats, data loss, misconfiguration, or accidental deletion.

Boost your platform and data security

Druva's Entra ID support in the Data Security Cloud provides an essential addition to our suite of supported workloads. Druva delivers autonomous data security with a 100% SaaS, fully managed platform to safeguard your data from any threat. Get comprehensive protection across diverse environments — data centers, SaaS apps, cloud-native workloads, and end-user data. Our unique approach ensures robust security and improves Incident Response and Remediation (IRR). With Druva, data security becomes autonomous, all from a unified platform.

Get full coverage for all your Microsoft data

Level up your Microsoft workload security. In addition to Entra ID, safeguard your data across Azure VMs and Microsoft 365 applications — SharePoint, OneDrive, Exchange Online, Teams, and Planner — with ease. With the agility of SaaS, deploy rapidly, scale dynamically, and manage seamlessly alongside other data sources on a unified platform. Experience peace of mind with secure air-gapped storage and robust data governance at your fingertips.

Why Druva?

100% SaaS, fully managed solution

Druva's Microsoft Entra ID protection is a 100% SaaS, fully managed solution, offering efficient, secure, and logically air-gapped storage for backups of Microsoft Entra ID Objects, alongside Microsoft 365, and Azure VM, and other cloud resources.

[1] Microsoft Digital Defense Report 2023

Complete data security for Entra ID objects

Druva provides a policy-based approach to protect and secure common Entra ID objects, such as Users, Groups, Roles, Devices, Enterprise Applications, Application Registrations, Administrative Units, and Conditional Access Policies.

Go beyond basic object recovery

Druva doesn't just recover Microsoft Entra ID objects; it restores their settings and relationships too. Customers can breathe easy knowing vital relationships like group memberships are restored along with the objects.

Object comparative restores

Druva provides capabilities to compare objects between snapshots, enabling users to swiftly recover specific data points or compare the current state with previous backups through comparative restores.

Key features

Protect containers with objects (including settings and relationships)

- **Users and relationships** — Druva provides a policy-based approach to automatically protect user objects and their associated metadata. Restores users along with their relationships, such as organizational hierarchy and reporting structures, ensuring continuity.
- **Groups and memberships** — Safeguards group objects and maintains the integrity of group memberships. Enables rapid recovery of groups with their exact member lists intact, crucial for maintaining access controls and operational workflows.
- **Roles and associations** — Protects role objects and their associations with users and groups. Ensures that role-based access controls are quickly restored, maintaining security and compliance post-recovery.
- **Devices (view / download only)** — Offers backup of device metadata and configurations. Provides capabilities to view and download device information to facilitate governance and compliance requirements.
- **Enterprise applications** — Protects enterprise applications by backing up application objects and their settings. Allows recovery of enterprise applications to their configured states, including permissions and connected services.
- **App registrations** — Secures application registration details, including client IDs. Restores app registrations with exact configurations, preserving essential integrations and access privileges across applications.
- **Export and Import backed-up data** — Ability to export the backed-up Entra ID as a JSON file and import it into a new Entra ID instance via PowerShell.
- **Administrative Units** — Protects administrative unit objects with their properties, memberships, and delegated roles, ensuring organizational structure and scoped administration are preserved.
- **Conditional Access Policies** — Safeguards conditional access objects with their properties, assignments, and access controls, enabling seamless restoration of security policies and enforcement rules.

With Druva, businesses can quickly restore Entra ID services, ensuring continuity and resilience against cyber threats and misconfigurations. Druva is among the first in the industry to meet this demand, filling a customer need, and addressing core IAM needs. Overall, the addition of Entra ID support strengthens Druva's comprehensive data security suite for Microsoft environments, enhancing user experience, operational efficiency, and market competitiveness.

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Security Posture and Observability

Druva's posture and observability capabilities provide a real-time overview of your data security posture and deep observability into how your data has changed. Fortify the security of data in your backup environment and accelerate incident response with enhanced security insights into your data.

The Challenge

Ransomware has evolved into one of the most disruptive threats facing enterprises today. Attackers are no longer satisfied with encrypting production systems — they are deliberately targeting backup environments, understanding that recovery is the last line of defense. By corrupting backups, delaying detection, and hiding in the environment for weeks or even months, adversaries ensure maximum damage when they strike.

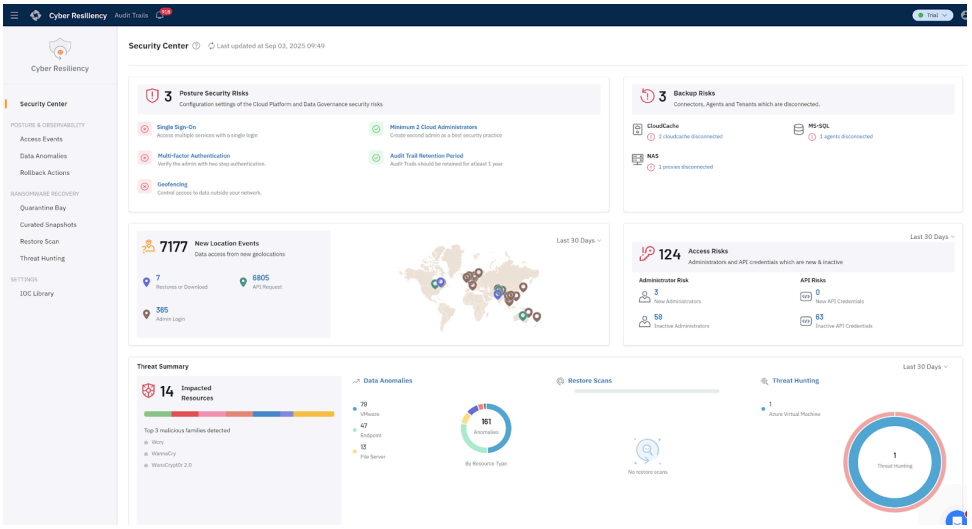
Unfortunately, most organizations are relying on traditional security tools that were designed to secure the perimeter, not enable fast recovery. These tools, often siloed from backup operations, can detect anomalies but rarely help IT teams identify which data is clean and recoverable. This disconnect means early warning signs are missed, and recovery is slowed when time is most critical.

IT and security teams now operate under an assume-breach mindset. They are investing heavily in detection and response, but without a direct connection to the backup environment, their response capabilities remain limited. When the attack's primary target is data itself, the ability to simply restore backups is no longer sufficient. Clean data must be rapidly identified, validated, and restored — all while coordinating with security workflows.

The consequence of this gap is severe. Without deep integration between backup and security operations, recovery takes longer, downtime stretches into days or weeks, and the business faces escalating costs in lost productivity, revenue, and reputation. What should be an opportunity for resilience too often becomes an extended crisis.

Ensure Attack Readiness with Druva

Your backup data mirrors your primary data and is a rich source for improving your security posture and preparing for a potential attack. With Druva, continuously monitor your backup data and environment, respond to potential threats, and extend data to SIEM platforms for further insights with pre-packaged integrations.



Druva's Security Command Center dashboard ▶

The Benefits of Integrated Posture and Observability

- Easily monitor the security posture of your backup environment and detect problems before they cause damage.
- Automate detection of access events and data anomalies within your backup environment such as restore requests from an unusual location, data encryption, unusual data deletion patterns, and more.
- Prevent accidental or malicious deletion of business-critical backup data despite compromised credentials.
- Enhance SecOps time-to-value with out-of-the-box, prepackaged SIEM integrations.

Key Features

- **Access Events Dashboard and Alerting** — Get relevant situational awareness about backup activity. A security event dashboard makes it easy to see unusual activity or drill into details about who has accessed your backup environment and data — administrators, users, and APIs, whether access occurred from a usual location, what occurred (e.g., backups or restores), and investigate alerts for data anomalies.
- **Rollback Actions** — With traditional disk and cloud storage systems, once an administrator deletes your backup data, it is gone. Only Druva allows you to roll back the deletion of backup data, using self-serve capabilities. Druva Rollback Actions can restore deleted backup data from a secure cache for up to 7 days — accessible only to you.
- **Data Anomaly Detection** — Druva uses AI/ML to detect malicious backup activity—such as deletions, modifications, or encryption—by analyzing data behavior to uncover ransomware. This capability spans endpoints (workstations, servers, NAS), virtual machines (VMware ESXi/vSphere), and cloud workloads (M365, SharePoint). Deployment is flexible: agentless for zero-touch, cloud-based protection without credentials or complex setup, or agent-based for deep integration with storage and file server infrastructure.
- **Recovery Intelligence** — Allows users to visually identify ideal restore points based on anomalous data activity, presence of IOCs, and observance of encryption activity.
- **Pre-Packaged Security Integrations and APIs** — Extend security event alerts and data into SIEM tools with one of several pre-packaged integrations or with Druva APIs. Some examples include:
    - Monitor compliance to geo-based data access and restore policies and API requests from new locations
    - Track user access patterns to recover data and unauthorized login attempts
    - Create alerts from pre-built rules to trigger pre-configured playbooks
- **Security Command Center** — Gain real-time visibility into your security posture with comprehensive risk assessments, including a Cyber Resilience Scorecard that validates proper configuration of critical resilience features. Unlock deep insights into risks across cloud platform security (e.g., administrators without MFA), data compliance, backup reliability (e.g., disconnected agents), and data access (e.g., users, APIs). Take swift, corrective action directly from a centralized command center.

You can not prepare for today's advanced threats and tomorrow's risks without including security posture and observability into your daily operations and security toolset. Trying to build and maintain this capability on your own becomes one more integration effort to maintain. The Druva Data Security Cloud delivers automation, unique data insights, and pre-built interactions to ensure your organization is attack-ready.

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paloalto NETWORKS | splunk>
Trellix | Microsoft Entra ID
sumo logic | BetterCloud
okta | servicenow
exterro | BOCADA

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Druva is the leading provider of data security solutions, empowering customers to secure and recover their data from all threats. The Druva Data Security Cloud is a fully managed SaaS solution offering air-gapped and immutable data protection across cloud, on-premises, and edge environments. By centralizing data protection, Druva enhances traditional security measures and enables faster incident response, effective cyber remediation, and robust data governance. Trusted by nearly 7,500 customers, including 75 of the Fortune 500, Druva safeguards business data in an increasingly interconnected world. Visit druva.com and follow us on LinkedIn, X (formerly Twitter), and Facebook.

Keep Sensitive Data Secure and Compliant

Druva's sensitive data governance solution offers a holistic approach, empowering organizations with enhanced visibility, consistent policy enforcement, and proactive risk mitigation to navigate data governance confidently.

The challenge

Organizations face mounting challenges in data governance. Stricter compliance requirements from courts and governments increase the compliance burden, alongside high costs and risks of penalties for non-compliance. Litigation is becoming more common and highlights the need for robust data governance. Fragmentation of data sources across physical and cloud environments compounds the issue, hindering centralized data management. Existing point solutions often lack comprehensive oversight.

Non-compliance of sensitive data can devastate your business in the following ways:

- **Financial** — Cost of litigation, investigation, and regulatory fines
- **Legal** — Legal action associated with customer data loss/theft
- **Trust and reputation** — Loss of customer trust and/or reputational damage
- **Operational** — Downtime and/or revenue loss as a result of data breach

What is sensitive data governance?

Sensitive data governance provides visibility of compliance breaches associated with end-user data in your organization. It enables your team to proactively track, monitor, and get notified of data compliance risks in your organization, across endpoints including laptops, desktops, and mobile devices, emails, and cloud platforms like Microsoft 365 and Google Workspace.

Druva empowers your team with deep data visibility and complete control

Druva enables sensitive data governance via a holistic approach, empowering organizations with enhanced visibility, consistent policy enforcement, and proactive risk mitigation to navigate data governance confidently.

The solution helps organizations monitor, track, and notify users of data compliance risks. It can report compliance violations for sensitive data in email bodies, subjects, and attachments. The feature can also help organizations:

- Comply with regulatory and compliance requirements
- Stay ahead of compliance violations
- Manage legal holds
- Reduce the time and cost associated with eDiscovery requests

Druva allows administrators to report compliance violations for sensitive data found within emails' bodies, subjects, and attachments. This capability is accessible through the Sensitive Data Governance Dashboard, which displays emails containing sensitive data and enables administrators to download these emails in EML file format for further review.

Once enabled, Sensitive Data Governance provides several key functions. Administrators can define what constitutes sensitive data and scan user data for compliance violations or potential risks. The feature allows for the location of end-user data that has breached compliance policies, facilitating the generation of non-compliance reports. These reports include visual representations to help indicate the company's adherence to compliance regulations, making it easier to maintain and monitor data governance standards.

Accelerated response to policy violations

- **Non-compliant file and email reports** — Druva enables the simplified and automated generation of reports to identify the users, data sources, and files that violate your organization's compliance policies. These reports will help you investigate potential risks of a data breach. They also help you to get in touch with the respective end users to get them to protect their sensitive data. For more information, read more on generating a report.
- **Legal hold** — Based on the investigations conducted following the non-compliance report, you may choose to place relevant users on Legal Hold within Druva, if they have access to at-risk sensitive data. For more information, learn more about creating a legal hold policy.

Key features

- **Centralized sensitive data governance dashboard** — Provides an easily navigable federated view by file name, date modified, user ID, sensitive data matched, and policy violated. This dashboard lets you quickly access and track compliance violations.
- **Non-compliance reporting** — Subscribe to compliance reports that automatically email to subscribers when potential data risks are discovered.
- **Predefined, customizable compliance templates** — Choose from predefined templates such as HIPAA, GLBA, and PCI, or customize your own. Druva will automatically scan, identify, and alert the organization of risks.
- **Intuitive dashboard, simplified administration, and powerful admin controls.**
  - Tamperproof audit trails with complete visibility of administrative changes to compliance policies.
  - Thresholds for sensitive data enabling the immediate response to critical violations.
  - Ability to scan files based on MIME types to cover against rogue or malicious end users.
- **Take actions to resolve compliance violations as per your incident response process.**
  - Ability to quarantine violations which will disable downloads and restores of files and email for Druva end users from the web.
- **Global and regional support with pre-defined templates.**
  - Support for sensitive data relevant to the US, UK, Germany, Australia, and South Africa, as well as sensitive data classified per global regulations.
- **Download files or emails for offline review.**
  - Download files and emails for offline review before taking remedial actions to avoid potential data breaches.

Druva's Sensitive Data Governance solution minimizes the risk of non-compliance and associated penalties while improving data quality. The solution ensures organizations have heightened visibility and control over gathered data, facilitating integration, interoperability, and effective management throughout the data lifecycle. Additionally, it provides valuable insights, empowering businesses to optimize their data strategies for maximum impact.

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