

Druva for Oracle

Cloud data protection that empowers database, backup, and cloud teams

The challenge

Organizations moving applications and databases to the cloud face the challenge of how to efficiently protect those workloads in multiple locations, while also meeting recovery-point and recovery-time objectives (RPO/RTO) SLAs. Simply shifting an on-premises data protection solution to the cloud creates another layer of infrastructure management as well as a stream of unpredictable costs. Or worse, a new Oracle instance in the cloud is protected using a combination of scripts and tools, making SLA, security monitoring, and long-term retention more difficult.

The solution

Druva simplifies the management of Oracle data protection with a single platform for protecting Oracle and Amazon RDS for Oracle. Organizations can achieve their data protection SLAs while leveraging the cloud for greater resiliency, security, and long-term retention.

Druva offers cloud backup integrated with RMAN that provides customers with the ability to send RMAN backup directly to the cloud or to a backup store that synchronizes with the Druva Cloud Platform for disaster recovery (DR), cloning, and long-term retention. With Amazon RDS for Oracle, Druva brings a similar level of control and visibility by enabling organizations to copy snapshots and DR plans across both accounts and regions.

Business challenges

- Multiple tools and silos to protect Oracle instances on-premises and in the cloud
- Increasing cost of Oracle backup infrastructure and storage
- Long-term retention requires additional storage and management effort
- Consistently achieving Oracle data protection SLAs (RPOs and RTOs)

Key benefits

- One platform for efficient protection of Oracle on-premises and in the cloud
- Accelerate and protect database re-hosting projects with direct-to-cloud backup
- Dramatic reduction in TCO for Oracle backup and recovery
- On-demand scale and storage in the cloud without complexity
- Meet aggressive RPO and RTO requirements without hardware lock-in

Cloud data protection for Oracle databases



How it works

For organizations seeking greater automation, especially for instances of Oracle on AWS EC2 infrastructure (or other IaaS clouds such as Oracle, Azure, GCP) Druva offers direct-to-cloud backup of Oracle using RMAN and backup sets.

- **Simplify database protection** – Deploys in minutes with no training or infrastructure required. Auto-discovers and backs up both online and offline databases. Simplifies data management with built-in security and long-term retention.
- **Fast backup and granular recovery** – Source-side, global deduplication accelerates backups. Automated, full database recovery and point-in-time recovery to alternate hosts provide needed flexibility.
- **Re-host and migrate databases with confidence** – Protect and recover on-premises and cloud database instances in the same manner.

For database administrators who want local recovery points available on-premises or in the cloud, Druva offers a backup store (an NFS software appliance based on ZFS) that can easily be deployed as an OVA or debian package. With this agentless approach, Oracle administrators use RMAN to back up to the backup store where data is subsequently deduplicated, compressed, and sent to the Druva Cloud Platform.

- **Meet small backup windows** – Leverage incremental merge and incremental forever (level-1 backups) to meet aggressive RPOs (15 minutes) and RTOs.
- **Flexible, fast, and granular recovery** – Recover from local target or secure snapshots in the cloud. With point-in-time synthetic fulls and log backups, users can recover to any point in time.
- **DBA control with IT visibility** – DBAs can initiate self-service backups, restores, and clones as needed with full visibility to IT teams.

The benefits

- **Single data management system for Oracle backups** – on-premises, in the cloud, and in Amazon RDS. Eliminate tools, storage silos, and excessive costs.
- **Business agility through on-demand scale and cloud storage** – Accelerate backup, recovery, and cloning with Oracle incremental merge

(using image copies) from the Phoenix Backup Store or RMAN backup sets from the direct-to-cloud technology.

- **Lower the TCO of Oracle backup and recovery** – Eliminate redundant infrastructure and data copies with cloud backup and disaster recovery. Reduce storage costs and bandwidth requirements with source-side, global deduplication.
- **Make DBA, backup, and IT teams more productive** – RMAN driven data protection and management for reliability, full CLI control for DBAs, and a simple user experience for IT and backup teams.
- **Fast recovery and cloning** – Restore application consistent backups instantly to meet stringent service-level agreements (SLAs) or send clone copies to other accounts or locations in the cloud. Or use roll-forward recovery to restore a damaged database to a more recent state.
- **Simplify long-term retention** – Store unlimited copies of Oracle backups offsite in cold storage to better meet compliance needs with reduced storage costs and centralized control.
- **Protect Oracle backups from ransomware and other threats** – Druva can encrypt backups and store them in the Druva cloud, which ensures that ransomware cannot reach backups.
- **Accelerate Oracle migrations to the cloud** – Leverage cloud backup to lift n' shift (or re-host) an Oracle database from an on-premises location to the cloud or to switch from one cloud region/account to another.

For more information

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Druva® delivers Data Protection and Management for the cloud era. Druva Cloud Platform is built on AWS and offered as-a-Service; customers drive down costs by up to 50 percent by freeing themselves from the burden of unnecessary hardware, capacity planning, and software management. Druva is trusted by thousands of companies worldwide, including over 50 of the Fortune 500. Druva is a privately held company headquartered in Sunnyvale, California, and is funded by Sequoia Capital, Viking Global Investors, CDPQ, Neuberger Berman, Tenaya Capital, Riverwood Capital, and Nexus Partners. Visit druva.com and follow us on [LinkedIn](#), [Twitter](#), and [Facebook](#).