

Matilda Migrate

Move it as it runs.

Cut over when you're ready.

0 code changes
on a rehost

Matilda Migrate moves your workloads to AWS, Microsoft Azure, Google Cloud or Oracle Cloud Infrastructure (OCI) as rehosts, database transitions or container migrations. A rehost needs no code changes. Block-level replication keeps every server securely in sync until you choose to cut over, so you test in the target cloud first. The move runs in the Matilda Cloud platform, off the same data that planned it.

Where Migrate fits

Start with Matilda Migrate by itself, or as the Move stage of a full Matilda Cloud program. Most programs move through the stages in order: See, where discovery and assessment show what you run; Plan, where dependencies decide the waves; Move; and Run, where CloudOps keeps the estate healthy after cutover. When the program comes through See and Plan, Migrate works from the same data that built the plan, so each wave moves the way it was planned.

For VMware data center exits, a Rapid Assessment can lead directly into Matilda Migrate.

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target clouds: AWS, Azure, Google Cloud and OCI

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source platforms: physical, VMware, Hyper-V and KVM

Minutes

as little as a few minutes of cutover downtime*

Find the problems before cutover night

Most migration plans look sound on paper. The trouble surfaces on cutover night: a server that won't boot in the new cloud, data that drifted after the last copy, or a dependency nobody wrote down. Fixing it then means extended downtime or a migration window that has to be rescheduled.

Matilda Migrate keeps each server replicated on a schedule you set and lets you launch and validate it in the target cloud before cutover, so problems show up in testing, not in production.

From source server to cutover

01	02	03	04
Connect	Replicate	Test	Cut over
Deploy the Migrate server in your data center or in the target cloud, then install a lightweight agent on each source server, one at a time or in bulk.	An initial full sync copies each server at the block level. After that, changed blocks replicate at intervals you set, until cutover.	Launch a test instance in the target cloud and validate the workload without touching production.	Run a final sync, shut down the source, bring up the target and clean up temporary resources, for one server or many at once.

What you gain

- **Cut over when you're ready.** Servers stay in sync until you choose the cutover window, and the switch-over waits only on the final sync.
- **Applications unchanged.** A rehost moves configurations, applications and data as they are, with no code changes.
- **Fewer cutover surprises.** Every workload can be launched and validated in the target cloud before production moves.
- **Programs that hold their schedule.** Waves, application groups and bulk operations move groups of servers together instead of one at a time.

*Cutover downtime depends on how much data remains for the final sync, network bandwidth and the size of each server.

Key capabilities

Block-level replication on your schedule	Replicate servers at the block level, then keep them current with changed-block sync at the intervals you choose. Schedule replication around business hours. If the network drops, replication resumes from the last known state.
Test before you commit	Launch test instances from replicated data, validate volumes, network configuration and application services, and get sign-off before the production cutover.
Automated cutover, one server or many	The platform runs the final sync, source shutdown, target start-up and cleanup. Cut over a single server, or many servers at once with bulk cutover.
Waves and application groups	Organize servers into application groups and scheduled waves, then replicate and test each group together. Waves planned in Matilda Discover carry into Migrate for execution.
Beyond rehost	Database transitions: MSSQL, Oracle, MySQL and MongoDB. Container migrations: on-premises Kubernetes workloads carried to EKS. Modernization in transit: guided by source code analysis of .NET and Java.
Built for large programs	Bulk operations: install agents, start and stop replication, and cut over in bulk. Multi-cloud profiles: manage AWS accounts, Azure subscriptions, Google Cloud projects and OCI tenancies side by side. Any scenario: on-premises to cloud, cloud to cloud, region to region, and Dev, QA, UAT and Prod on separate timelines. Parallel projects: run several migration projects at once.
Real-time visibility	Live dashboards show sync progress, replication health and failure alerts. Agent installation and migration logs are downloadable.
Supported environments	64-bit Windows Server and Windows desktop, and major Linux distributions including RHEL, Ubuntu, Oracle Linux, SUSE and Rocky Linux, on physical, VMware, Hyper-V and KVM sources. Full compatibility details: docs.matildacloud.com/docs/en/rehost-migrations

What you get

Migrate server and agents	Replication, testing and cutover for Windows and Linux servers
Pilot migration	A first run on a small set of non-production servers before full-scale migration
Migration expertise	Matilda specialists across the migration lifecycle: wave and application-group design, cutover strategy and best practices
Training	For administrators, cloud teams and migration teams

Secure by design

- **Workload data replicates** from source to target inside your environment. Because replication works at the block level, Matilda does not access individual files or folders; it processes only the metadata needed to run the migration.
- **Replication runs over TLS 1.2** or higher. Data is encrypted at rest in the target using the cloud provider's native encryption.
- **Credentials are stored** in HashiCorp Vault with AES-256 encryption.
- **Scoped access on source servers:** on Linux, passwordless sudo limited to a defined command list; on Windows, a local administrator account.
- **Role-based access**, with every migration operation logged.
- **Deploy the Migrate server** on-premises or in the target cloud.
- **SOC 2 Type II** attested for security, availability and confidentiality, covering the Matilda Cloud platform.
- **ISO/IEC 27001:2022** certified information security management system.



Start with the servers you plan to move.

An assessment shows what you have, where it should run and what it would cost, so your migration starts from a plan.

[Request an assessment →](#)