![EjShift]

Why EjShift?

- Cut down migration complexity with intelligent automation

- Eliminate manual steps and reduce risk

- Enable informed decisions with detailed logging and dashboards

- Ensure business continuity with near-zero downtime migrations

Get in Touch:

Website:
https://www.cuttingej.com/challenges-in-v2v-migrations

Email:
mailto:connect@cuttingej.com

VMware to OLVM Migration Simplified

Overview:

EjShift is a product designed to simplify and accelerate the migration of virtual machines from VMware to Oracle Linux Virtualization Manager (OLVM). It reduces operational complexity and minimizes downtime, making enterprise migrations predictable, auditable, and efficient.

Planned Enhancements (Roadmap):

- Graphical migration dashboard

- Support for complex network setups in the target OLVM

- Dependency-aware group VM migrations

- Enhanced workload validation on guest VMs

Core Capabilities:

Key Features:

- Automated End-to-End Migration:
  - Pre-checks and validations before migration
  - Timestamped migration logs with audit details, errors, and warnings
  - Fully automated VM migration process with rollback support
- Flexibility in target environment network Configuration:
  - Retain original IP
  - Assign a new static IP
  - Use DHCP dynamically
- Delta Change Capture:
  - Copies only changed blocks before and after VM shutdown
  - Reduces data transfer and speeds up migration
- Minimal Downtime:
  - Downtime is limited to the period between VM shutdown and import
  - Achieves migration downtime as low as 5–10 minutes

Capability	Details
Networking Support	Supports DHCP, static IPs, NSX, and advanced policies
Storage Support	SAN, NAS, and iSCSI migration compatibility
Dependency Mapping	Identifies upstream/downstream dependencies for group/block migrations
Dashboard	Displays migration status, total downtime, rollbacks, and issues
UI & UX	Web-based UI with forms, reports, and guided workflows

VM Migration Process

Create Snapshot
Initial copy of the VM is created to ensure a starting point for migration.

Delta Sync
Synchronizes changes to ensure the latest data is captured.

Image Prep
Prepares the VM image for deployment by converting formats and injecting drivers.

OLVM Deploy
Deploys the prepared image into the OLVM environment, completing the migration.