

Full Premium Synthetic Sample Report

# Proxmox Migration Readiness

VMware -> Proxmox migration decision pack

## Northbridge Industrial Group

Synthetic industrial environment. No customer data. No production access. No migration execution.

### READINESS

**64/100**

Medium posture

### CONFIDENCE

**58/100**

Limited evidence

### STORAGE

**52/100**

Needs validation

### PREMIUM SAMPLE MODULES

Migration readiness, Storage Destination Readiness, Licensing & Cost Exposure, Business Continuity Risk, VM Risk Matrix, Senior AI Advisor, Project Memory and executive recommendations.

Professional Assessment: evidence-backed report and VM decision pack. Migration Blueprint: scoped waves, validation gates, rollback expectations and remediation planning.

# Executive Summary

A board-ready view of migration posture, confidence and go/no-go constraints.

Northbridge Industrial Group has a medium VMware -> Proxmox migration readiness posture. The inventory is usable for planning, but the evidence base is not strong enough to approve critical production waves.

## CAN ADVANCE

A controlled Wave 0 and selected low-risk Wave 1 workloads can proceed after import and rollback validation.

## MUST NOT ADVANCE

ERP, SQL, domain controllers and storage-heavy systems should not enter early waves without backup and dependency evidence.

## EXECUTIVE RECOMMENDATION

Use the premium report to approve a pilot, not a broad production migration.

## COMMERCIAL TAKEAWAY

Licensing exposure is meaningful, but savings should not override readiness and continuity risk.

## What executives should take from this page

- Readiness and evidence confidence are separate decision signals.
- Savings estimates remain directional until procurement and technical assumptions are validated.
- Critical workloads remain gated by backup, dependency, storage and rollback evidence.

## READINESS NOTE

Recommended decision: approve a controlled pilot, require backup restore evidence, finalize storage design and use go/no-go gates before production waves.

# Assessment Scope

What this synthetic premium sample includes and what evidence remains missing.

## Evidence evaluated

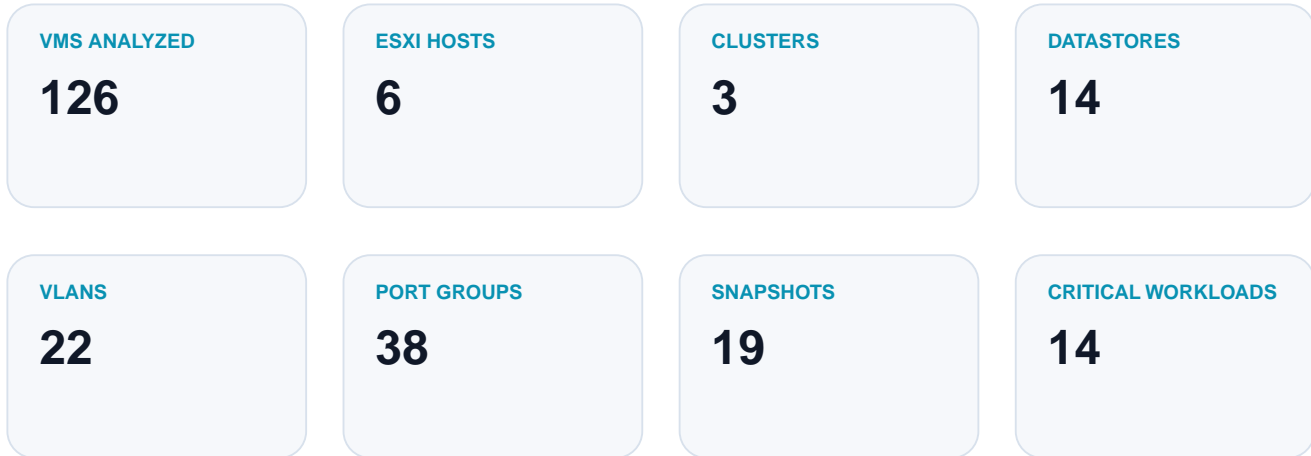
Evidence	Status	Confidence	Impact
<b>RVTools inventory</b>	Received	High	Inventory baseline is usable.
<b>Technical context</b>	Received	Medium	Enough for a first decision pack.
<b>Backup restore evidence</b>	Missing	Low	Blocks critical workloads.
<b>Application dependencies</b>	Partial	Low	ERP, SQL and identity dependencies need mapping.
<b>Performance history</b>	Missing	Low	Sizing confidence remains limited.
<b>Network / VLAN mapping</b>	Partial	Medium	Port groups known; target design pending.
<b>Proxmox target design</b>	Partial	Medium	Node count known; storage and network need validation.

## Premium modules represented

- VMware -> Proxmox Migration Readiness and migration wave planning.
- Storage Destination Readiness with Ceph/shared storage considerations.
- Licensing & Cost Exposure with VMware billable cores and Proxmox annual cost.
- Business Continuity Risk, Senior AI Advisor Q&A and Project Memory decisions.

# Environment Overview

Synthetic industrial estate with partial 24/7 operations and mixed criticality.



## Workload categories

Category	Count	Interpretation
<b>Web / utility</b>	34	Good Wave 1 candidates after pilot validation.
<b>SQL / database</b>	12	Requires backup restore evidence and performance review.
<b>ERP / line of business</b>	4	Hold until dependency and rollback plans are signed off.
<b>Domain services</b>	6	Special sequencing, identity rollback and replication checks required.
<b>File / storage-heavy</b>	18	Storage target and throughput validation required.
<b>Legacy / unknown owner</b>	11	Discovery and retirement review recommended.

# Migration Readiness Score

Readiness and evidence confidence are intentionally separate.

## MIGRATION READINESS SCORE

**64/100**

Medium readiness

## EVIDENCE CONFIDENCE SCORE

**58/100**

Limited confidence

## BUSINESS CONTINUITY

**46/100**

Needs work

A 64/100 readiness score means there are viable migration candidates, not that the full environment is production-ready. Confidence is limited because backup restore evidence, dependency maps and performance history are incomplete.

### READINESS NOTE

A readiness score is not a migration approval. It is a decision signal that must be paired with evidence confidence, continuity risk and owner sign-off.

# Evidence Confidence Score

How missing evidence changes the migration recommendation.

The assessment confidence score is 58/100. RVTools-style inventory and technical context are enough to plan a pilot, but not enough to authorize critical workload migration.

## Evidence confidence matrix

Evidence	Signal	Confidence	Action
RVTools inventory	Received	High	Inventory baseline is usable.
Technical context	Received	Medium	Enough for a first decision pack.
Backup restore evidence	Missing	Low	Blocks critical workloads.
Application dependencies	Partial	Low	ERP, SQL and identity dependencies need mapping.
Performance history	Missing	Low	Sizing confidence remains limited.
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## Recommended next evidence

- Backup export and representative restore test result.
- Application dependency map with owners and maintenance windows.
- Target Proxmox storage and network design assumptions.
- Performance history for SQL, ERP, file and identity workloads.

### READINESS NOTE

Backup evidence, dependency mapping and performance history are the highest-impact confidence gaps.

# VMware -> Proxmox Technical Readiness

Technical blockers and pilot candidates.

## PILOT CANDIDATES

Monitoring, web utility systems and low-dependency workloads can be used for import testing.

## MANUAL REVIEW

SQL, ERP, domain controllers and file servers require workload-specific validation.

## BLOCKERS

Unknown dependencies, untested restores and storage capacity risk block broad migration.

## RUNBOOK NEED

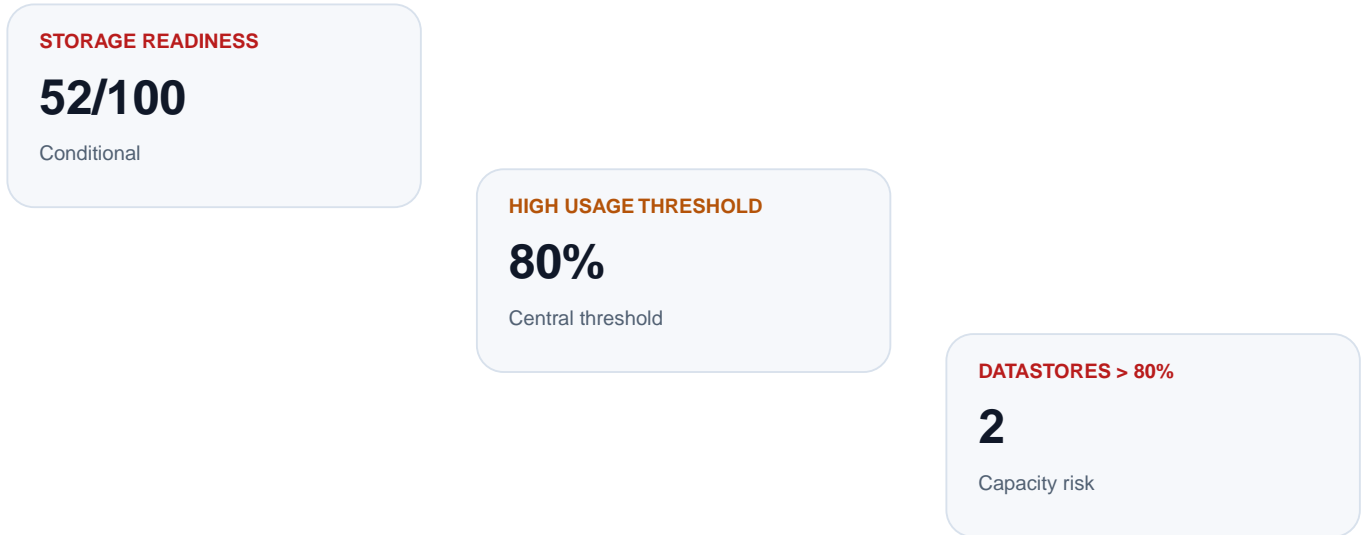
Every wave needs rollback steps, owner approval and acceptance criteria.

## Technical considerations

- Domain controllers require identity replication, DNS and rollback sequencing.
- SQL workloads require restore tests, performance baselines and maintenance windows.
- ERP workloads require dependency maps, business owner approval and go/no-go criteria.
- Storage-heavy file servers require target throughput and capacity validation.

# Storage Destination Readiness

Storage is treated as a first-class migration risk, not an afterthought.



## Storage signals

Datstore	Type	Used	Risk	Action
ds-prod-san-01	SAN	88%	High	Above 80%; capacity and migration window risk.
ds-vsant-cluster-a	vSAN	82%	High	Above 80%; validate evacuation and target design.
ds-file-nfs-02	NFS	76%	Medium	Near threshold; monitor growth.
ds-archive-local	Local	41%	Low	Retire/archive candidates possible.
ds-sql-san-03	SAN	79%	Medium	Below threshold but SQL-heavy.

**READINESS NOTE**  
 Storage sizing is not a quote. Storage design requires validation, and storage does not directly impact licensing cost.

# Ceph / Shared Storage Considerations

Ceph is evaluated, never assumed as the default target.

## CEPH CANDIDATE?

Conditional. It may fit if node count, network, disks and failure domains are validated.

## NFS / SAN

May be appropriate if existing shared storage is retained or target storage is externally managed.

## ZFS LOCAL

Potential fit for smaller waves or non-HA workloads, depending on RTO/RPO requirements.

## PBS / BACKUP

Backup architecture must be validated before production cutover.

## Ceph validation requirements

- At least three suitable nodes and clear failure domain design.
- Dedicated storage network and latency/throughput testing.
- OSD layout, disk class and capacity headroom validation.
- Operational ownership for monitoring, recovery and expansion.

# Licensing & Cost Exposure

Directional economics, not a contractual quote.

## Licensing model

Item	Calculation	Note
<b>VMware sockets</b>	6 hosts x 2 sockets = 12	Inventory-derived estimate
<b>VMware billable cores</b>	$\max(288 \text{ raw cores, sockets} * 16 = 192) = 288$	Current model
<b>VMware annual estimate</b>	288 cores x \$350 = \$100,800	Reference estimate
<b>Proxmox annual cost</b>	12 sockets x \$1,102 = \$13,219	Normalized unit price USD
<b>Annual savings estimate</b>	\$87,581	Directional only

### READINESS NOTE

FX assumption: EUR->USD 1.08. VMware pricing is an estimate/reference, Proxmox pricing is an estimate by tier, and storage does not impact licensing cost.

# Business Continuity Risk

What can interrupt service during migration waves.

## Continuity risk review

Risk	Level	Why it matters	Required control
<b>Downtime risk</b>	High	Critical systems lack approved windows	Wave-level maintenance and rollback plan
<b>Backup maturity</b>	Critical	Restore tests not supplied	Evidence of successful restore tests
<b>Rollback maturity</b>	High	No signed rollback plan for SQL/ERP	Rollback runbook and owner approval
<b>Dependency mapping</b>	High	Application links partially known	Dependency map before Wave 1
<b>Performance risk</b>	Medium	No historical IOPS/CPU trend	Collect baseline before sizing sign-off
<b>Key person risk</b>	Medium	Operational knowledge may be concentrated	Assign owners and decision log

# VM Risk Matrix

A consultative matrix connects evidence to action.

## Risk matrix

Risk	Severity	Area	Evidence	Recommended action	Phase
<b>Backup evidence missing</b>	Critical	Business continuity	No restore tests supplied	Run restore validation before SQL/ERP/DC waves	Wave 0
<b>Application dependencies incomplete</b>	High	Migration sequencing	ERP and SQL links partially known	Build dependency map and owner sign-off	Wave 0
<b>Datastores above 80%</b>	High	Storage capacity	2 key datastores above threshold	Validate target capacity and evacuation plan	Before Wave 1
<b>Old snapshots detected</b>	High	Operational hygiene	19 snapshots in RVTools-style evidence	Clean up or approve exceptions	Before pilot
<b>Network target incomplete</b>	Medium	Cutover risk	VLAN mapping partial	Confirm Proxmox bridge/VLAN design	Wave 0
<b>Performance history missing</b>	Medium	Sizing confidence	No time-series utilization evidence	Collect CPU/RAM/IOPS history	Before production

# Workload Classification

Example workload-level migration recommendations.

## Workload decisions

VM	Role	Complexity	Recommendation	Wave	Reason
web-portal-01	Web app	Low	Migrate after pilot	Wave 1	Low dependency and rollback-friendly.
fileserver-02	File server	Medium	Validate storage first	Wave 2	Storage-heavy and user-facing.
sql-prod-01	Database	High	Manual review	Wave 3	Requires restore test and performance baseline.
dc-main-01	Domain controller	High	Special plan	Wave 3	Identity sequencing and rollback required.
erp-prod	ERP	Critical	Hold	Hold	Do not move until dependencies and backups are proven.
backup-proxy	Backup service	High	Rebuild or redesign	Wave 0	Backup chain is part of rollback posture.
monitoring	Monitoring	Low	Pilot candidate	Wave 0	Useful for observing migration tests.
legacy-app	Unknown legacy app	Medium	Retire/rehost review	Retire	Ownership and business use unclear.

# Proxmox Target / Sizing Preview

Sizing is directional until performance evidence is added.

RECOMMENDED NODES

3-4

HA-capable target

RAM TARGET

1.8-2.5 TB

Allocation-based

USABLE STORAGE

70 TB+

Validate growth

## Target readiness

Dimension	Preview	Validation required
<b>Backup capacity</b>	90 TB	Retention, restore testing, PBS design
<b>HA readiness</b>	Conditional	Shared storage or replicated design
<b>Network readiness</b>	Requires mapping	Bridge/VLAN, MTU and storage traffic separation
<b>Subscription tier</b>	Premium sample assumption	Confirm support tier and socket count

READINESS NOTE

Sizing without performance history has limited confidence. Capacity, IOPS and growth assumptions must be validated before purchase or production migration.

# Recommended Migration Path

Phased go/no-go gates keep the migration controlled.

## Migration path

Phase	Purpose	Candidate scope	Evidence to unlock
<b>Wave 0</b>	Validation / pilot	Monitoring, utility workloads, import test	Restore test, target network, rollback plan
<b>Wave 1</b>	Low-risk workloads	Web, utility, low-dependency services	Pilot success and owner approval
<b>Wave 2</b>	Standard production	File services and standard apps	Storage throughput, backup proof, dependency map
<b>Wave 3</b>	Critical systems	SQL, ERP, identity	Executive go/no-go, restore tests, maintenance windows
<b>Hold</b>	Blocked workloads	ERP and unknown-owner systems	Dependency evidence and rollback maturity
<b>Retire</b>	Decommission candidates	Legacy/unused workloads	Business owner confirmation

### READINESS NOTE

Do not use estimated savings alone as a go/no-go criterion. Each wave should pass evidence, rollback and owner approval gates.

# Remediation Roadmap

Prioritized fixes before production movement.

## Roadmap

Action	Priority	Impact	Effort	Owner	Due before
<b>Backup restore validation</b>	P0	High	Medium	Infrastructure / backup owner	Before Wave 0 exit
<b>Application dependency map</b>	P0	High	Medium	Application owners	Before Wave 1
<b>Storage target design review</b>	P1	High	Medium	Platform team	Before Wave 1
<b>VLAN and bridge mapping</b>	P1	Medium	Low	Network team	Before pilot import
<b>Snapshot cleanup</b>	P1	Medium	Low	VM owners	Before production waves
<b>Performance baseline collection</b>	P2	Medium	Medium	Operations	Before sizing approval

# Senior AI Advisor Insights

Synthetic premium advisor narrative, not a real customer conversation.

The Senior AI Advisor layer summarizes the decision pressure, highlights unresolved evidence gaps and proposes next actions. In a real assessment it supports, but does not replace, deterministic scoring or expert review.

## ADVISOR SUMMARY

The environment is a good pilot candidate but not ready for broad critical workload migration.

## FOCUS AREA

Backups, dependencies and target storage design are the three strongest blockers.

## DECISION POINT

Approve Wave 0 only if import tests and rollback evidence are tracked.

## ADVISOR WARNING

Do not let licensing savings accelerate ERP or SQL before continuity evidence exists.

# Senior AI Advisor Q&A Highlights

Synthetic Q&A examples showing consultative value.

## Advisor Q&A

Question	Synthetic advisor answer
<b>Which workloads should we migrate first?</b>	Start with web, monitoring and low-dependency utility workloads. Exclude SQL, ERP and domain controllers from early waves until restore tests and rollback paths are validated.
<b>Is our current backup posture enough?</b>	Not for critical workloads. Restore tests, backup evidence and rollback validation are missing, so production waves should remain gated.
<b>What should we fix before production?</b>	Dependency map, backup restore points, VLAN mapping, target capacity, pilot import test and snapshot cleanup.

# Senior AI Advisor Q&A Highlights

Ceph and management approval questions.

## Advisor Q&A continued

Question	Synthetic advisor answer
<b>Can we use Ceph as destination storage?</b>	Only after capacity, performance, failure domains, disk class and dedicated storage networking are validated. Ceph is not the default recommendation.
<b>What should management see before approval?</b>	Readiness score, confidence gaps, licensing exposure, annual savings estimate, VM Risk Matrix, pilot plan, remediation roadmap and explicit go/no-go criteria.

### READINESS NOTE

These are synthetic Advisor examples. They are not a real customer chat log and do not include customer data.

# Project Memory / Decisions Captured

Premium continuity value across assessment decisions.

## Decision memory

Type	Captured item
Decision	ERP is excluded from Wave 1 until dependency and rollback evidence are approved.
Decision	SQL workloads require backup restore validation before production migration planning.
Decision	Wave 0 will be used for import testing and operational runbook rehearsal.
Pending	Confirm final Proxmox node count, CPU/RAM headroom and subscription tier.
Pending	Review Storage Destination Readiness design before choosing Ceph, NFS or SAN.

Project Memory helps teams preserve why decisions were made, what remains pending and which assumptions must be revisited before the next wave.

# Assumptions & Disclaimers

Boundaries that keep the sample safe and honest.

## Sample boundaries

- Synthetic sample only. No customer data, no production access and no real customer conversation.
- Shift Evidence does not migrate VMs and does not guarantee zero downtime.
- Pricing is an estimate/reference, not a financial quote or vendor contract.
- FX is static for this sample: EUR->USD 1.08.
- VMware billable cores and Proxmox annual cost are shown for directional planning.
- Storage design requires validation and does not directly impact licensing cost.
- Backup and dependency gaps reduce confidence and can block production migration waves.
- Advisor output supports deterministic scoring and expert review; it does not replace them.

# Appendix / Calculation Notes

Transparent assumptions behind the synthetic sample.

## Calculation notes

Area	Assumption
<b>VMware billable cores</b>	VMware billable cores = $\max(\text{raw cores}, \text{sockets} * 16)$ .
<b>Proxmox annual cost</b>	Proxmox annual cost = sockets * normalized unit price USD.
<b>Storage threshold</b>	Datastores at or above 80% are flagged as high usage.
<b>Savings</b>	Annual savings estimate = VMware annual estimate - Proxmox annual estimate.
<b>Confidence</b>	Missing backup, dependency, network and performance evidence reduce confidence.

# Ready To Assess Your Own Environment?

Use the premium sample to understand the deliverable before uploading approved evidence.

Start your own readiness assessment, upload approved VMware evidence and use the premium report to support internal decision-making before migration spend or production movement.

## WATCH 90-SECOND SIMULATION

See the value path quickly before opening the full demo workspace.

## EXPLORE DEMO WORKSPACE

Review synthetic scenarios, risk matrices, Advisor notes and demo PDFs.

## START PROFESSIONAL ASSESSMENT

Create a workspace and upload approved evidence for your environment.

## REQUEST MIGRATION BLUEPRINT

Use expert review when waves, gates and rollback assumptions require deeper planning.

[shiftevidence.com/demo/replay](https://shiftevidence.com/demo/replay)

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