

Magento Cluster Hosting Checklist 2026

When & How to Move from Single Server / VPS to High-Availability Cluster

Use this checklist to assess whether your store is cluster-ready and what you need.

Based on real-world AWS setups from mgt-commerce.com.

Need help with your setup? → mgt-commerce.com/magento-hosting/

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Phase 1: Assessment

Does your store actually need a cluster?

	Yes	No
CPU usage during normal traffic >70%?	<input type="checkbox"/>	<input type="checkbox"/>
Page load time under load >3 seconds?	<input type="checkbox"/>	<input type="checkbox"/>
Monthly revenue >\$50,000? (downtime costs real money)	<input type="checkbox"/>	<input type="checkbox"/>
Flash sales, Black Friday, or seasonal peaks? (>100–500 concurrent users)	<input type="checkbox"/>	<input type="checkbox"/>
Required uptime 99.9%+? (less than 9 hours/year downtime)	<input type="checkbox"/>	<input type="checkbox"/>
Monthly visitors >10,000–20,000?	<input type="checkbox"/>	<input type="checkbox"/>
Catalog >5,000–10,000 SKUs?	<input type="checkbox"/>	<input type="checkbox"/>
Peak concurrent users >100–200?	<input type="checkbox"/>	<input type="checkbox"/>
Database replication lag >1s or slow queries during peaks?	<input type="checkbox"/>	<input type="checkbox"/>
Current server: Single Server / VPS? → Cluster recommended	<input type="checkbox"/>	<input type="checkbox"/>

Score Calculation:

- 0–4 Yes answers → Single server / VPS is still sufficient
- 7+ Yes answers → Cluster urgently recommended
- 5–6 Yes answers → Cluster setup recommended

Your Score: ___/10

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Phase 2: Current Setup Check

Preparation: *Is your current system ready for the transition?*

- Magento version $\geq 2.4.6$
OpenSearch compatible

- Current PHP version ≥ 8.3

- Redis for cache & sessions active

- Varnish Full Page Cache configured

- OpenSearch running (≥ 2.19 recommended)
Elasticsearch deprecated since 2.4.8

- Database: MySQL / MariaDB with replication

- Monitoring tools active
CloudWatch, New Relic / Datadog

- Backups: Daily + geo-redundant

Record peak values (CPU, RAM, Disk I/O via New Relic or AWS CloudWatch):

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Phase 3: Cluster Requirements & Architecture

Which components does your cluster setup need?

- Load balancer (ALB / HAProxy / NGINX) planned

- Auto-scaling group for web servers (NGINX + PHP-FPM)

- Varnish as separate layer (in front of web servers)

- Redis as cluster (ElastiCache / Valkey)
Valkey recommended (free Redis fork, fully compatible)

- OpenSearch dedicated node / cluster

- Database: Amazon Aurora MySQL (primary + read replicas)

- Shared storage: S3 for media + EFS for var/pub/media

- CDN: Fastly / CloudFront active

- WAF (AWS WAF / Cloudflare) in front of load balancer

- Message queue: Amazon MQ (RabbitMQ, for >50k orders/month)

- Graviton4 instances (C7g/m7g) for web servers **saves 20–40%**

- Kubernetes / Docker for very large setups (>100k visitors/month) Optional

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Phase 4: Migration & Transition

Steps for a controlled switch to cluster

- Hosting provider selected (e.g. MGT-Commerce)

- Migration assistance from provider arranged

- Staging cluster built & tested

- DNS switch planned (lower TTL beforehand)

- Zero-downtime strategy defined
Blue-green deployment or DNS with low TTL + cache warmup

- SSL certificates migrated / LB SSL termination tested

- Post-migration: monitoring alerts set
CPU >80%, response >2s

- Costs calculated: base + auto-scaling
\$500–\$2,000+/month typical

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Phase 5: Post Go-Live

Your cluster is running. These are the next steps.

- Performance tests completed
Load testing with Locust / JMeter

- Cache warmup & reindex after launch

- Uptime monitoring active
Pingdom / UptimeRobot

- Security scan after launch
AWS Inspector, Sucuri, or equivalent

- PCI-DSS / GDPR compliance verified
WAF rules, encryption, data handling

- Monthly review: analyze scaling events

As of March 2026 – based on Magento 2.4.8, AWS Graviton4 & real-world setups from 5,000+ stores.

More details: mgt-commerce.com/blog/magento-cluster-hosting/

Sources: AWS Whitepaper 2026, Adobe Reference Architecture & mgt-commerce.com real-world data

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