



Kubernetes Cluster Development for OTT Provider

PROJECT DETAILS

 DevOps Managed Services, IT Managed Services, IT Strategy Consulting

 Apr. 2025 - Feb. 2026

 Confidential

 *"They were easy to work with, quick to adapt, and genuinely focused on finding the best solution for our needs."*

PROJECT SUMMARY

Netbadgers Ltd. designed and deployed a Kubernetes cluster to enable a migration from MySQL 5.7 to MySQL 8 for an OTT provider. The team consolidated critical infrastructure services, including authentication.

PROJECT FEEDBACK

Netbadgers Ltd. successfully completed the migration with zero downtime. The client centralized authentication via ZITADEL, achieved full observability with Percona Monitoring and Management and Zabbix, deployed secure VPN access, and validated a replication-ready architecture.



The Client

Please describe your company and position.

I am an executive at Lightcast.com

Describe what your company does in a single sentence.

Multi-platform OVP and full-stack OTT provider.

The Challenge

What specific goals or objectives did you hire Netbadgers Ltd. to accomplish?

- Design and deploy a production-grade Kubernetes cluster from scratch to enable migration from MySQL 5.7 to MySQL 8, while consolidating critical infrastructure services including authentication, monitoring, and secure remote access into a unified, maintainable platform

 Executive,
Lightcast.com

 Media

 Charlotte, North Carolina

CLIENT RATING

5.0

Overall Score

Quality: 5.0

Schedule: 5.0

Cost: 5.0

Would Refer: 5.0



The Approach

How did you find Netbadgers Ltd.?

Other

Why did you select Netbadgers Ltd. over others?

Referred to me

How many teammates from Netbadgers Ltd. were assigned to this project?

2-5 Employees

Describe the scope of work in detail. Please include a summary of key deliverables.

Design and deploy a production-grade Kubernetes cluster from scratch to enable migration from MySQL 5.7 to MySQL 8, while consolidating critical infrastructure services including authentication, monitoring, and secure remote access into a unified, maintainable platform.

Successful migration from MySQL 5.7 to 8 with zero downtime. Centralized auth via Zitadel. Full observability through Percona Monitoring and Zabbix. Secure VPN access deployed. Architecture validated as replication-ready for future cross-datacenter failover to secondary POP with encrypted S3 backups.

Designed and provisioned a Kubernetes cluster from the ground up tailored to the client's infrastructure requirements. The core objective was enabling a migration from MySQL 5.7 to MySQL 8, which required a modern orchestration layer capable of managing stateful workloads reliably.

Key deliverables included:

- Kubernetes cluster setup, configuration, and hardening
- MySQL 8 deployment on Kubernetes with data migration from legacy MySQL 5.7 instances





- Centralized identity and access management (authentication/ authorization)
- VPN deployment for secure remote access to cluster resources
- Percona Monitoring and Management (PMM) setup for database-level observability and performance tracking

The project encompassed architecture planning, environment provisioning, service deployment, data migration, security configuration, and post-launch validation. All components were deployed as containerized workloads within the cluster, ensuring consistency, scalability, and ease of maintenance.

The Outcome

What were the measurable outcomes from the project that demonstrate progress or success?

Successful migration from MySQL 5.7 to 8 with zero downtime. Centralized auth via Zitadel. Full observability through Percona Monitoring and Zabbix. Secure VPN access deployed. Architecture validated as replication-ready for future cross-datacenter failover to secondary POP with encrypted S3 backups.

Describe their project management. Did they deliver items on time? How did they respond to your needs?

They were very responsive and quick to adjust based on our feedback, which made the whole process smooth and easy to work through.

What was your primary form of communication with Netbadgers Ltd.?

Virtual Meeting

What did you find most impressive or unique about this company?





They were easy to work with, quick to adapt, and genuinely focused on finding the best solution for our needs.

Are there any areas for improvement or something Netbadgers Ltd. could have done differently?

Not much to point out.

