



# GREG SOLUTIONS

DevOps & Blockchain Partner:  
The Answer to Your Engineering Dilemma

## **Case: 70% Infrastructure Cost Reduction**





Client



DERMPRO

DERMPRO is a hosted e-commerce and marketing platform designed specifically for the aesthetics services industry.

[dermpro.com](https://dermpro.com)



## Goals

- 1 Reduce the infrastructure cost
- 2 Handle the infrastructure complexity
- 3 Decrease application build and deployment time
- 4 Automate new Magento shop provisioning
- 5 Automate routine processes

  
Service

DevOps as a service

by



GREG SOLUTIONS

[greg-solutions.com](http://greg-solutions.com)



## Results

- Decreased infrastructure cost by

**70%**

- Automated the new shop provisioning

**2 hours**

- Increased build speed by

**60%**

- Improved the audit process and monitoring
- Provided automation for critical operations

## Decreased infrastructure maintenance cost

Migrated the AWS infrastructure from AWS ECS to a hybrid setup:

- non-production environment: **cost-effective** Rancher2 / Kubernetes clusters, and **EC2 Spot Instances**.
- production environment: **high availability** Amazon Elastic Kubernetes Service clusters.



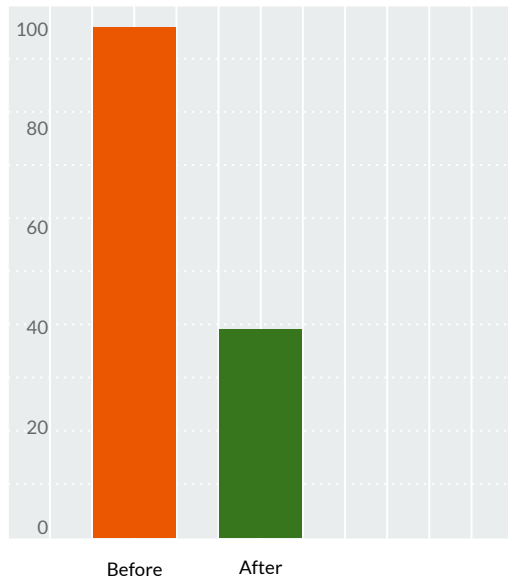
70%

Decreased monthly cost spent on the AWS infrastructure



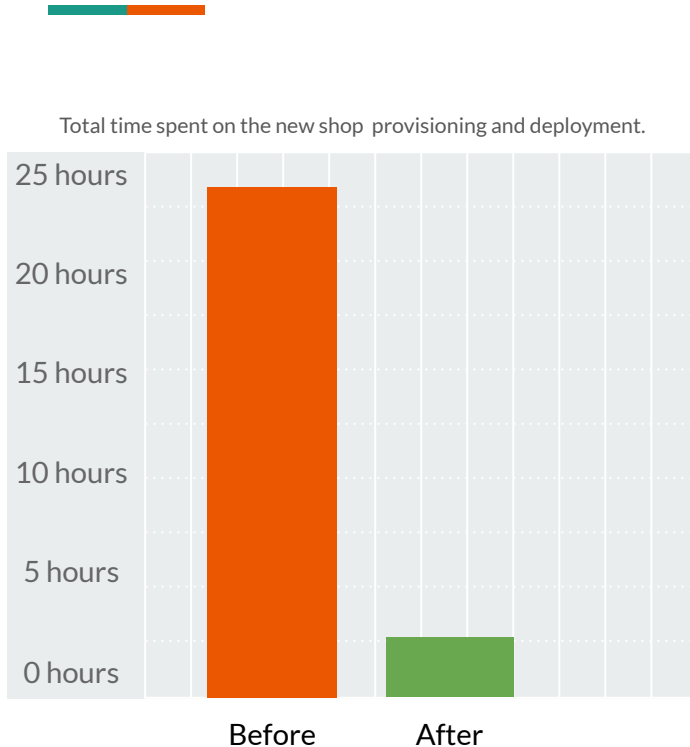
## Increased Build Speed by 60%

Total time spent on build and release.



- **Optimized the CI** process with Jenkins (migrated from Amazon CodeBuild) - increased bui
- Created **lightweight Docker** images for the applications
- Introduced parallel functional tests execution
- Deployed **self-hosted Composer** dependency manager

## Automation



- Automated database backups
- Automated the new shop provisioning and deployment:
  - before: a few days
  - after: 2 hours

.....  
Used Terraform, Amazon Elastic Kubernetes Service,  
Jenkins & GoCD pipelines





## Improvements

- **Improved the audit process**  
Integrated centralized logging
- **Integrated monitoring:**
  - AWS infrastructure
  - Kubernetes clusters
  - Client applications
  - Business metrics





## Simplifications

- **Simplified infrastructure management & provisioning**
- **Improved disaster recovery**

Used Packer and Terraform as an Infrastructure as Code tool.



  
**Technical stack**



AWS



Terraform



Rancher2



Kubernetes



Jenkins



MySQL



Nginx



Grafana



Prometheus



Packer



Magento



Elasticsearch



## Client Feedback

“Greg Solutions team provides high-quality DevOps and Cloud Engineers that help speed up the development, decrease infrastructure costs and improve our platform. They’ve delivered a great improvement to our process and scalability.”



Jay Oyakawa

Managing Director at DERMPRO



# Thank you!

[Read more about the case](#)

Contact us at [info@greg-solutions.com](mailto:info@greg-solutions.com)

