



VIBRATO

Case Study  
Autotrader

Greenfields  
Kubernetes on  
AWS | Autotrader



Autotrader is a new challenger brand in the Australian automotive market. It is intent on changing the way Australian's buy, sell and own cars and represents a smarter way to trade auto.

### Future-Ready Solutions

It was vital to Autotrader that they chose technologies that would power the experience well into the next decade while ensuring they had both speed to market and resiliency baked in. Specifically, they didn't want to limit themselves to what worked well in 2018, it had to be more blue-sky and so Autotrader engaged Vibrato to partner with them on that journey.

### Fully Automated Infrastructure & Empowered Teams

Autotrader's strong existing relationship with AWS made AWS the obvious choice for cloud, and with the anticipated release of EKS into Australia we were able to run our kubernetes clusters with the future possibility of a hosted platform. Utilising Infrastructure as Code practices such as CloudFormation to provision AWS services like Aurora and ElastiCache, and a Kops-provided kubernetes cluster with AWS integrated authentication and IAM integration we were able to create a resilient environment that could be as flexible as software.

We migrated the self-hosted source control and CI pipelines to a fully SaaS solution using Atlassian Bitbucket and CircleCI for testing and deployment. Through this journey, Autotrader engineers have become responsible for the full lifecycle of their applications including maintaining the helm charts, deployment and testing configurations and application monitoring.

*"We engaged Vibrato to partner with us and take us on a journey into the future of cloud computing. Within a short space of time, they were able to distil the business outcomes we desired into a rich set of tooling which we now own and maintain – and we couldn't be happier with the outcome."*

*- Jeremy Gupta, CTO, Carsguide & Autotrader*

Logs are handled by Logz.io shipped by fluentd and monitoring is provided via New Relic infrastructure providing real time monitoring of application and environment health.

Autotrader and Vibrato worked closely during an initial consultation to identify the tooling that could realise the business outcomes desired. This involved prototyping and failing early before eventually plumping for Kubernetes on AWS despite EKS not being available in their chosen hosting region.

### Business-Driven Outcomes

The results speak for themselves, Autotrader are now able to deploy quicker than ever, the platform is resilient, instrumented well for reliability and they have a massive differentiator that will underpin future growth.

At the end of the engagement there was an automated deployment that managed the entire AWS infrastructure, and a template for applications that could saw them progress through automated testing, developer environments, QA and production. New services can be added to this setup and deployed in minutes, providing comprehensive feedback, fast roll-back, and the ability to pivot to meet the market.



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Vibrato is a high end, expert-driven professional services provider. We aim to provide only trusted, experienced and proven people. We implement innovative digital solutions for efficient delivery, better user experience and faster time to market.

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