SUMMARY

The client had a growing adoption of the cloud, but their on-prem data center and edge locations continued to serve an important business role. To unify the developer experience across these environments, their platform team built a Kubernetes-based "container as a service" (CaaS) offering using EKS in the cloud and Rancher (RKE2) for the data center.

As the platform grew, managing the number of clusters became challenging. The platform team wanted to use Cluster API to help manage these clusters, but RKE2 didn't have a provider for Cluster API. Furthermore, getting enterprise support for RKE2 meant the client would need to establish contracts with new vendors.

SOLUTION

The client adopted EKS Anywhere (EKS-A) for all new clusters deployed to their on-prem environment. By using EKS-A alongside EKS, the client was able to continue their investment into AWS products and services. From a support perspective, they have been able to leverage their Technical Account Manager (TAM) to ask questions and provide feedback to the EKS-A team. The client also has a consistent process for opening urgent support requests.

Our team demonstrated our expertise by helping the client rebuild their cluster deployment process around EKS-A and Cluster API. By utilizing these tools, the client is able to create, update, and delete clusters in their on-prem environment within 30 minutes. This allows the client to react quickly to new business requirements and provision workloads globally across cloud, data center, and edge.

RESULTS

| **50+** Kubernetes clusters and growing | **73%** of clusters using EKS-A | **<1 day** Time to resolve critical issues with help from Amazon |