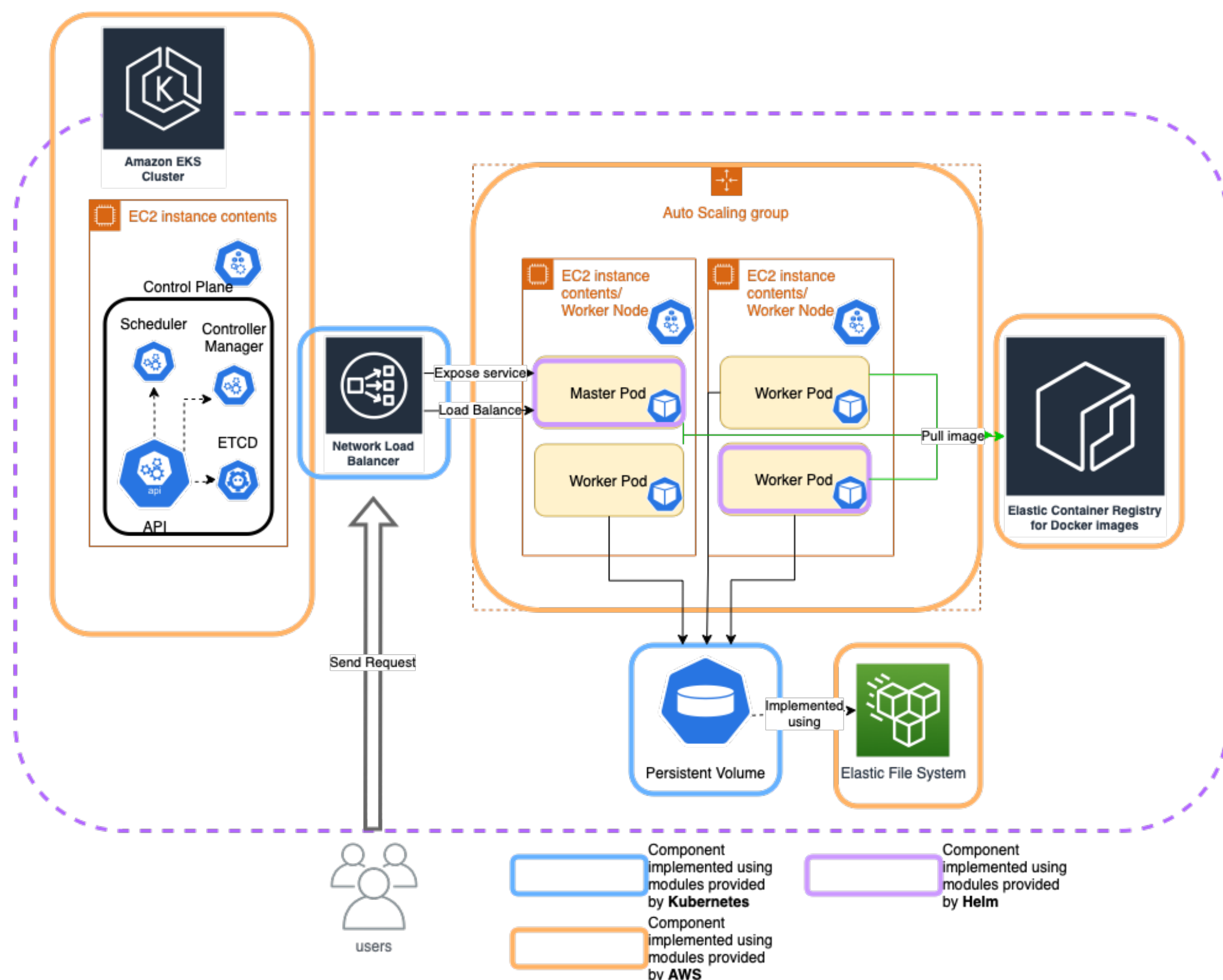


Deploying ASR System for Scalability and Robustness on AWS

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Project Objectives:

The objective of this project was to design a reliable and pragmatic solution to provision and un-provision the infrastructure on the Amazon Web Services. While ensuring the flexibility to adjustments, the steps required to build the infrastructure were streamlined and the required inputs from users were minimised.

Summary of Solution:

The solution was implemented using Terraform by Hashicorp which enabled the provision of infrastructure as code, consolidating configurations in source control and bringing transparency and replayability to a previously manual workflow.

Alongside Terraform, the solution also used Helm which would implement software built for Kubernetes. Helm streamlined the installation and management of Kubernetes applications.