AWS Infrastructure

- Node Group - Migration (T series to M or C, Update eks add-ons)
- Kubernetes **Cluster version upgrade**
- Scheduled pods to specific nodes - in case of special requirements of pods to be scheduled in specific node with particular labels.
- DB upgrade, change in custom parameter and options group.
- Server Reboot or restart in case of Kubernetes node taint: notready
- Setup Mongodb Atlas for Production use
- Setup vpc peering between two cloud Mongo and Aws and white-listed few IP's for communication

Kubernetes Cluster

- check liveness and readiness probes fail issue in application deployed.
- debug the liveness and readiness probes fail issue in DB i.e. MongoDB, MySql, Redis deployed in Kubernetes cluster.
- Changes in Env i.e. Configmap and Secrets change and then upgrade and helm cm push in respected helm repos.
- Grant cluster access (read-only) to developers in order to access the DB's in Kubernetes.
- Modify pods Memory and CPU requests/limits change according to usage.
- Increase storage of EBS volume for the statefullset deployment.
- Migrate the existing cron jobs from Cronjobs to Deployment of cron jobs.
- Patch the Monitoring stack in order to add the chunk (configuration chunk) and reload the same.
- Managed Helm charts Version upgrade i.e. Karpenter, metric-server, elk, DB's.
- Added Taints, Tolerance and node Selector for Providing static IP to Payment micro-service
- Attached Net-Gateway to Fantasy Cluster
- Deploy new tool "Istio" for GRPC call of microservice
- Istio-proxy Pull request Docker Hub rate limiting issue, Change Istio Repo from Docker to GCR officially register provide by Istio

CI/CD Issues

- Runner update
- Issue in CI/CD (image not updated, runner not available, Job Stucked due to longer waiting)
- Failed pipeline due to misconfiguration.