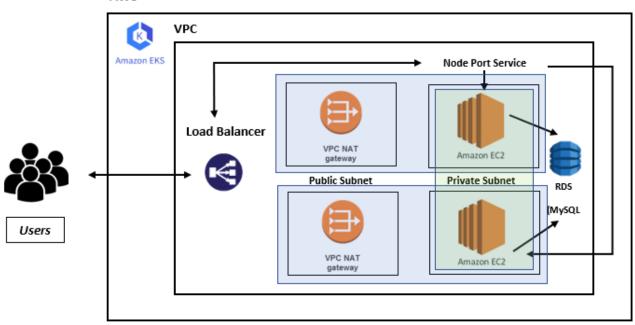
SpaceX Sparlink Project

Runbook name	SpaceX Starlink Project
Runbook description	Setup Satellite API
Owner	@ WASANA PERERA
Version	V1
Version date	14.01.2021
On this page	Architecture Support contacts Process

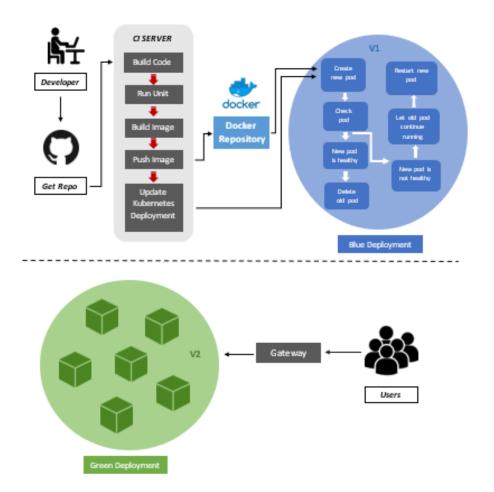
III Architecture

Solution Architecture

AWS



Deployment Architecture



Support contacts

Expertise level	Team	Team lead	Contact info
Level 1	Reshani Gunasinghe	Team Lead	077-45678980
Level 2	Noel Fernando	Devops Engineer	076-90786784
Level 3	Leshani Perera	Business Analyst	077-45678901

Process

	Step instructions	Execution location	Run environments	Run conditions	Documentation
1	AWS CLI configuration	Local Machine CLI			https://docs.aws. amazon.com/cli/latest /userguide/cli-chap- configure.html
2	Setup eksctl	Local Machine CLI		<pre>choco install -y eksctl</pre>	Building Kubernetes (EKS) with eksctl by Joaquín Menchaca () Medium
3	Install Kubernetes CLI	Local Machine CLI		<pre>choco install -y kubernetes-cli</pre>	Building Kubernetes (EKS) with eksctl by Joaquín Menchaca () Medium

4	Create EKS cluster	AWS Configured CLI in local machine		eksctl create cluster region us-west-1 node-type t2.micro nodes 2nodes-min 1nodes-max 4 name satellite-cluster kubeconfig=C: \CloudComputing_CW\ KubeConfiguration /satellite-kube-config. yaml	https://docs.aws. amazon.com/cli/latest /userguide/cli-chap- configure.html
5	Create RDS Satellite API		AWS		https://aws.amazon. com/getting-started /hands-on/create- mysql-db/
6	Set environemt variable for KUBECONFIG	AWS Configured CLI in local machine	AWS	set KUBECONFIG=C: \CloudComputing_CW\ KubeConfiguration /satellite-kube-config. yaml	https://docs.aws. amazon.com/cli/latest /userguide/cli-chap- configure.html
7	Services Deployment	AWS Configured CLI in local machine		kubectl apply -f satellite_deployment. yaml	https://github.com /kweperera/starlink- deployment/blob/main /satellite_deployment. yaml