Voter Registration - Runbook
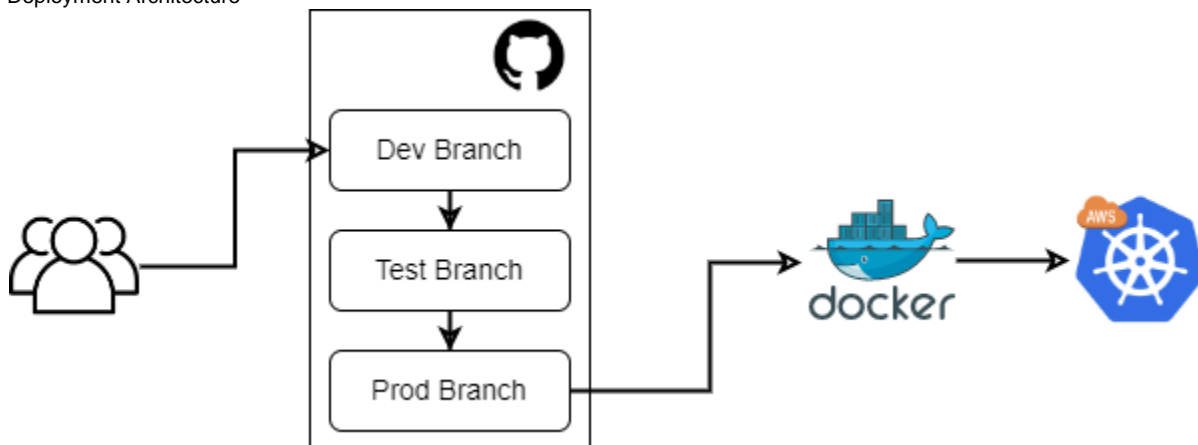
Runbook name	Runbook_20211565
Runbook description	Runbook for voter registration system
Owner	@ Nushan Rajapaksha
Version	1.0
Version date	31 Dec 2022

🏛 Architecture

Solution Architecture
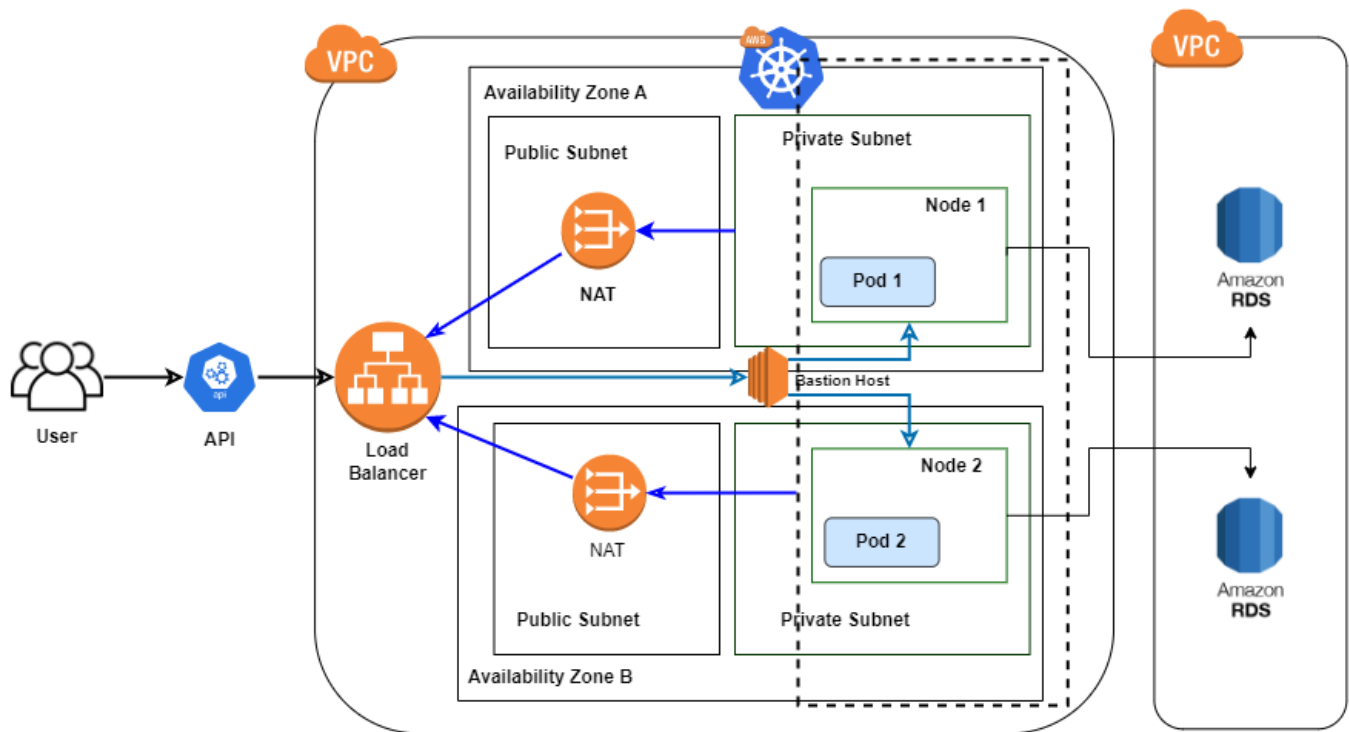
Deployment Architecture

💬 Support contacts

Expertise level	Team	Contact info

	Product Owner / Developer	Nushan Rajapaksha	nushanrajapaksha@gmail.com

![icon] Process

	Step instructions	Execution location	Run environments	Run Instructions	Documentation
1	Configure AWS CLI	Local Machine	PowerShell CLI	Install AWS CLI version 2	
2	Configure eksctl	Local Machine	PowerShell CLI	choco install -y eksctl	
3	Install and Configure Kubernetes CLI	Local Machine	PowerShell CLI	choco install kubernetes-cli	
4	Create EKS Cluster	Local Machine	AWS	eksctl create cluster --region us-east-2 --node-type t3.small --nodes 2 --nodes-min 1 --nodes-max 4 --name california-voter-cluster --kubeconfig=C:/Users/nushan_09113/.kube/config.yaml	
5	Create RDS for Micro Services	AWS	AWS		
6	Create Micro Services	Local Machine	Git Hub / Docker		https://github.com/Nushan23/VoterAPI https://github.com/Nushan23/ManagementAPI https://github.com/Nushan23/MonitoringAPI
7	Deploy Application	Local Machine	EKS	kubectl apply -f C:/Users/nushan_09113/.kube/deployment.yaml	https://github.com/Nushan23/Resources