CloudDrove Inc.

CLOUD DROVE

We design, deploy & manage your cloud

Project Costs, Preliminary Estimate		
Prepared By: Anmol Nagpal		**Estimation Date:** 19.*09.2022*

#	Activity Description	Estimated Hours	Estimate Comments
1	**REVIEW REPOSITORY,AWS Infra Review**		
	- Get access to current documentation and Code	15	
	- Internal Meetings		
2	**SETUP STAGE ENVIRONMENT**		
	- Prepare DevOps Repository	1	Prepare the overall design and how to deployment will look like
	- Prepare Terraform for Kubernetes	25	Prepare & deploy kubernetes and related depandancy ie VPC/Subnet/netowrking etc for Stage Environment
	- Enable apps logs to cloudwatch	8	Enable application (k8s) logs to cloudwatch
	- Prepare Helm package for 13 Repo approx 5 hours	65	Currently we are using all docker images which are running in few ec2 and setup manully, now we are moving all of them to k8s
	- Prepare CI/CD pipelines for apps deployment	60	Setup pipelines for application deployment (k8s)
	- Setup SQS (20)	40	Prepare, Deploy & Setup 20 SQS
	- Setup Lambda function (29)	116	There are around 29 labda where we have to setup + upgrade serverless to latest version with CI/CD
	- setup another ingress to public few apps	8	Some DNS will be public & some will be private so need to setup 2 Ingress in K8s
	- Migrate S3 data to New Account	40	Need to migrate 9+ TB of data
	- Setup MongoDB cluster	12	Need to setup Mongo Cluster using 3 nodes with backups
	- Setup Cognito	8	Deploy cognito and setup permissions
	- Sonarqube Integration	24	Deploy sonarqube for application code scanning and terraform code scanning
	- Prepare deployment using jenkins	40	Prepare jenkins pipelines for infrastructure deployment
	- Add Users and send login to users	2	Add users in AWS accounts/SSO Permission sets/VPN and share credentials with users
	- Demo, how to deploy and how to run	4	Demo for deploy applications/infra
	- Testing with Client	4	Testing applications/infra before go live
3	**SETUP PROD ENVIRONMENT**		
	- Prepare DevOps Repository	0	
	- Prepare Terraform for Kubernetes	25	Prepare & deploy kubernetes and related depandancy ie VPC/Subnet/netowrking etc for Stage Environment
	- Enable apps logs to cloudwatch	8	Enable application (k8s) logs to cloudwatch
	- Prepare Helm package for 13 Repo approx 5 hours	65	Currently we are using all docker images which are running in few ec2 and setup manully, now we are moving all of them to k8s
	- Prepare CI/CD pipelines for apps deployment	40	Setup pipelines for application deployment (k8s)
	- Setup SQS (20)	60	Prepare, Deploy & Setup 20 SQS
	- Setup Lambda function (29)	100	There are around 29 labda where we have to setup + upgrade serverless to latest version with CI/CD
	- setup another ingress to public few apps	8	Some DNS will be public & some will be private so need to setup 2 Ingress in K8s
	- Migrate S3 data to New Account	40	Need to migrate 9+ TB of data
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4	**PROJECT & CODE HANDOVER**		
	- Security Audit	2	Audit security tools like cloudtrails, GuardDuty, waf etc for all enviroments
	- Enable Monitoring	2	Enable monitoring/alerts for application and Billing alerts
	- Prepare Handover Doc with all login keys and details	4	Documentation with diagram and details
	- Move DevOps code to Client Git repo	10 Mins	
	Grand Total	**920 Hours**	