


18 King Street East Suite 1400 Toronto, Ontario M5C1C4		CloudDrove Inc.		
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	15	Meeting/Discussion with Developers	
	- Internal Meetings			
2	SETUP QA 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 dependancy ie VPC/Subnet/netowrking etc for QA Environment	
	- Enable apps logs to cloudwatch	8	Enable application (k8s) logs to cloudwatch	
	- Prepare Helm package for 27 Repo approx 5	135	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 (33)	90	Simple Queue Service need to be deployed as per application requirement. Total 33 SQS.	
	- Setup Lambda function (31)	120	There are 31 lambda functions, most of them are manually setup and not even maintained, While migrating we have to upgrade to latest setup JenkinsFile. and do CI/CD	
	- setup another ingress to public few apps	8	Deploy another ingress for those application that need to be accessible publicly	
	- Migrate S3 data to New Account	40	Because we have 9+ TB of data which need to be migrated.	
	- Setup RDS	8	Deploy RDS database, Configure Backups and Security Groups	
	- Setup Cognito	8	Deploy cognito and setup permissions	
	- Setup Antmedia	32	Setup Antmedia servers, configure firewall	
	- Setup QA Redis on ec2 + enable backups	12	Deploy redis on ec2 for QA and restore database	
	- Setup SNS	6	Deploy SNS topics and enable subscriptions for email notification	
	- Sonarqube Integration	24	Deploy sonarqube for application code scanning and terraform code scanning	
	- Prepare deployment using jenkins	30	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 STAGE ENVIRONMENT			
	- Prepare Terraform for Kubernetes	25	Prepare & deploy kubernetes and related dependancy ie VPC/Subnet/netowrking etc for Stage Environment	
	- Enable apps logs to cloudwatch	8	Enable application (k8s) logs to cloudwatch	
	- Prepare Helm package for 27 Repo approx 5	135	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 (33)	90	Simple Queue Service need to be deployed as per application requirement. Total 33 SQS.	
	- Setup Lambda function (31)	60	Setup pipelines for application deployment (k8s)	
	- setup another ingress to public few apps	8	Deploy another ingress for those application that need to be accessible publicly	
	- Migrate S3 data to New Account	40	9 TB has to be moved twice	
	- Setup RDS	8	Deploy RDS database, Configure Backups and Security Groups	
	- Setup Cognito	8	Deploy cognito and setup permissions	
	- Setup Antmedia	32	Setup Antmedia servers, configure firewall	
	- Setup Stage Redis on ec2 + enable backups	12	Deploy redis on ec2 for Stage and restore database	
	- Setup SNS	6	Deploy SNS topics and enable subscriptions for email notification	
	- Sonarqube Integration	24	Deploy sonarqube for application code scanning and terraform code scanning	
	- Prepare deployment using jenkins	30	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	
4	SETUP PROD ENVIRONMENT			
	- Prepare Terraform for Kubernetes	25	Prepare & deploy kubernetes and related dependancy ie VPC/Subnet/netowrking etc for Prod Environment	
	- Enable apps logs to cloudwatch	8	Enable application (k8s) logs to cloudwatch	
	- Prepare Helm package for 27 Repo approx 5	135	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 (33)	90	Simple Queue Service need to be deployed as per application requirement. Total 33 SQS.
	- Setup Lambda function (31)	60	Setup pipelines for application deployment (k8s)
	- setup another ingress to public few apps	8	Deploy another ingress for those application that need to be accessible publicly
	- Migrate S3 data to New Account	40	9 TB has to be moved twice
	- Setup RDS	8	Deploy RDS database, Configure Backups and Security Groups
	- Setup Cognito	8	Deploy cognito and setup permissions
	- Setup Antmedia	32	Setup Antmedia servers, configure firewall
	- Setup Prod Redis on ec2 + enable backups	12	Deploy redis on ec2 for Prod and restore database
	- Setup SNS	6	Deploy SNS topics and enable subscriptions for email notification
	- Sonarqube Integration	24	Deploy sonarqube for application code scanning and terraform code scanning
	- Prepare deployment using jenkins	30	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
5	PROJECT & CODE HANDOVER		
	- Security Audit	2	Audit security tools like cloudtrails, GuardDuty, waf etc for all enviroments
	- Enable Montoring	2	Enable monitoring/alerts for application and Billing alerts
	- Prepare Handover Doc with all login keys and de	4	Documentation with diagram and details
	- Move DevOps code to Client Git repo	10 Mins	
	Grand Total	1752 Hours	