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CloudDrove Inc.



| pared By: Anmol Nagpal vity Description IEW REPOSITORY,AWS Infra Review at access to current documentation and | Estimated Hours | Estimation Date: 19.09.2022 |
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| vity Description IEW REPOSITORY,AWS Infra Review It access to current documentation and | Estimated Hours | |
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| t access to current documentation and | | Estimate Comments |
| | | |
| ernal Meetings | | Meeting/Discussion with Developers |
| | 15 | The carry and a second |
| | | |
| UP QA ENVIRONMENT | | |
| epare DevOps Repository | 1 | Prepare the overall design and how to deployment will look like |
| epare Terraform for Kubernetes | 25 | Prepare & deploy kubernetes and related depandancy ie VPC/Subnet/netowrking etc for QA Environment |
| able apps logs to cloudwatch | 8 | Enable application (k8s) logs to cloudwatch |
| | | 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 |
| | | Setup pipelines for application deployment (k8s) |
| | | Simple Queue Service need to be deployed as per application requirement. Total 33 SQS. |
| | | There are 31 lambda functions, most of them are manaully setup and not even maintained, While migrating we have to upgrade to latest setup JenkinsFile. and do CI/CD |
| , , , | | Deploy another ingress for those application that need to be accessible publicly |
| | | Because we have 9+ TB of data which need to be migrated. |
| ~ | | Deploy RDS database, Configure Backups and Security Groups |
| · | | Deploy cognito and setup permissions |
| | | Setup Antmedia servers, configure firewall |
| · | | Deploy redis on ec2 for QA and restore database |
| | | Deploy SNS topics and enable subscriptions for email notification |
| | | Deploy sonarqube for application code scanning and terraform code scanning |
| | | Prepare jenkins pipelines for infrastructure deployment |
| | | Add users in AWS accounts/SSO Permission sets/VPN and share credentials with users |
| | | Demo for deploy applications/infra |
| | | Testing applications/infra before go live |
| String With Cheft | · · | Testing apprections/initia before go inte |
| UP STAGE ENVIRONMENT | | |
| | 25 | Prepare & deploy kubernetes and related depandancy ie VPC/Subnet/netowrking etc for Stage Environment |
| | | Enable application (k8s) logs to cloudwatch |
| | | 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 |
| | | Setup pipelines for application deployment (k8s) |
| | | Simple Queue Service need to be deployed as per application requirement. Total 33 SQS. |
| | | Setup pipelines for application deployment (k8s) |
| | | Deploy another ingress for those application that need to be accessible publicly |
| | | 9 TB has to be moved twice |
| | | Deploy RDS database, Configure Backups and Security Groups |
| | | Deploy cognito and setup permissions |
| | | Setup Antmedia servers, configure firewall |
| | | Deploy redis on ec2 for Stage and restore database |
| | | Deploy SNS topics and enable subscriptions for email notification |
| | | Deploy sonarqube for application code scanning and terraform code scanning |
| | | Prepare jenkins pipelines for infrastructure deployment |
| | | Add users in AWS accounts/SSO Permission sets/VPN and share credentials with users |
| | | Demo for deploy applications/infra |
| | | Testing applications/infra before go live |
| Samp their Great | • | |
| UP PROD ENVIRONMENT | | |
| | 25 | Prepare & deploy kubernetes and related depandancy ie VPC/Subnet/netowrking etc for Prod Environment |
| · | | Enable application (k8s) logs to cloudwatch |
| | | 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 |
| | | Setup pipelines for application deployment (k8s) |
| | epare Helm package for 27 Repo approx 5 epare CI/CD pipelines for apps deployment tup SQS (33) tup Lambda function (31) tup another ingress to public few apps igrate S3 data to New Account tup RDS tup Cognito tup Antmedia tup QA Redis on ec2 + enable backups tup SNS narqube Integration epare deployment using jenkins id Users and send login to users emo, how to deploy and how to run esting with Client UP STAGE ENVIRONMENT epare Terraform for Kubernetes able apps logs to cloudwatch epare Helm package for 27 Repo approx 5 epare CI/CD pipelines for apps deployment tup SQS (33) tup Lambda function (31) tup another ingress to public few apps igrate S3 data to New Account tup RDS tup Cognito tup Antmedia tup Stage Redis on ec2 + enable backups tup SNS narqube Integration epare deployment using jenkins id Users and send login to users emo, how to deploy and how to run esting with Client UP PROD ENVIRONMENT epare Terraform for Kubernetes able apps logs to cloudwatch epare deployment using jenkins id Users and send login to users emo, how to deploy and how to run esting with Client UP PROD ENVIRONMENT epare Terraform for Kubernetes able apps logs to cloudwatch epare Helm package for 27 Repo approx 5 epare CI/CD pipelines for apps deployment | epare CI/CD pipelines for apps deployment tup SQS (33) 90 tup Lambda function (31) 120 tup another ingress to public few apps 8 igrate S3 data to New Account 40 tup RDS 8 tup Cognito 8 tup Antmedia 32 tup QA Redis on ec2 + enable backups 12 tup SNS 6 narqube Integration 24 epare deployment using jenkins 30 du Users and send login to users 25 able apps logs to cloudwatch 8 epare CI/CD pipelines for apps deployment 40 tup SXG (33) 90 tup Lambda function (31) 60 tup SQS (33) 90 tup Lambda function (31) 60 tup Antmedia 132 tup SQS (33) 90 tup Lambda function (31) 60 tup SQS (33) 90 tup Lambda function (31) 60 tup Another ingress to public few apps 8 igrate S3 data to New Account 40 tup RDS 8 tup Cognito 8 tup SAGS Redis on ec2 + enable backups 12 tup SNS 6 narqube Integration 24 epare deployment using jenkins 30 id Users and send login to users 2 epare Clycopito 8 tup Stage Redis on ec2 + enable backups 12 tup SNS 6 narqube Integration 24 epare deployment using jenkins 30 id Users and send login to users 2 epare deployment using jenkins 30 id Users and send login to users 2 epare deployment using jenkins 30 id Users and send login to users 2 epare Terraform for Kubernetes 25 able apps logs to cloudwatch 8 epare Terraform for Kubernetes 25 able apps logs to cloudwatch 8 epare Terraform for Kubernetes 25 able apps logs to cloudwatch 8 epare Terraform for Kubernetes 25 able apps logs to cloudwatch 8 epare Terraform for Kubernetes 25 able apps logs to cloudwatch 8 epare Helm package for 27 Repo approx 5 |

| - 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 |
| | | |
| 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 | |
| | Migrate S3 data to New Account Setup RDS Setup Cognito Setup Antmedia Setup Prod Redis on ec2 + enable backups Setup SNS Sonarqube Integration Prepare deployment using jenkins Add Users and send login to users Demo, how to deploy and how to run Testing with Client PROJECT & CODE HANDOVER Security Audit Enable Montoring Prepare Handover Doc with all login keys and de Move DevOps code to Client Git repo | Migrate S3 data to New Account Setup RDS Setup Cognito Setup Antmedia Setup Prod Redis on ec2 + enable backups Setup SNS Sonarqube Integration Prepare deployment using jenkins Add Users and send login to users Demo, how to deploy and how to run Testing with Client PROJECT & CODE HANDOVER Security Audit Enable Montoring Prepare Handover Doc with all login keys and de Move DevOps code to Client Git repo 8 8 8 8 8 8 8 8 8 8 8 8 8 |