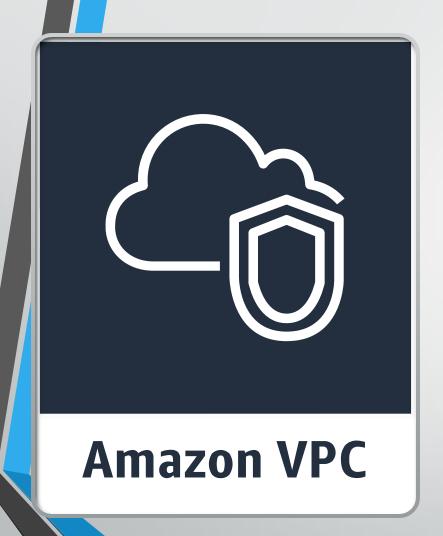
AppInCloud

A managed infrastructure solution to host your web applications.

Technical Solution

 A suite of AWS tools to manage the network, database, security, application and CI/CD so you can focus on your app development!





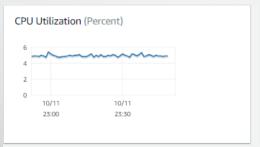
Network

- Dedicated VPC for your applications infrastructure.
- Multiple availability zones for both private and public resources.
- Bastion Host to bridge public / private network.

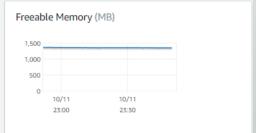
Amazon RDS

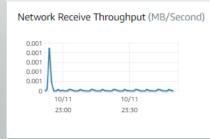
Database

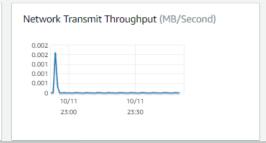
- Aurora DB MySQL 5.6.10a
- Metrics and Alarms
- Daily snapshots

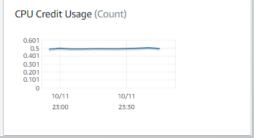














AWS Identity and Access Management



Security

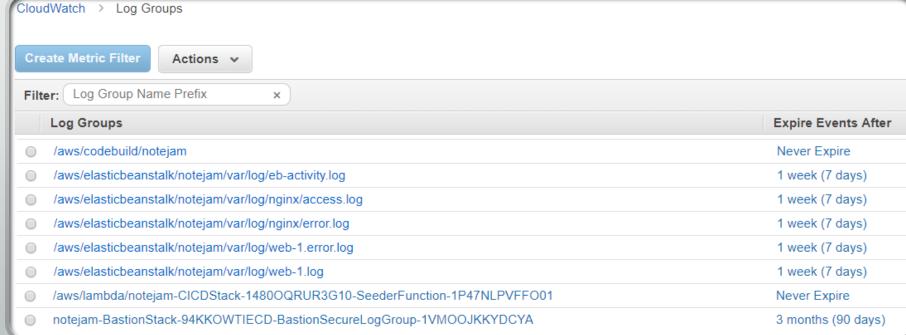
 All communication between resources is limited by IAM roles and policies. All compute resources are protected by RSA keys.

Logging

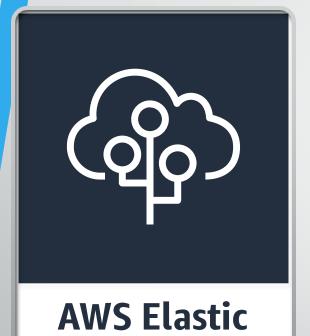


CloudWatch

- Centralized Logging
- Event Driven Alerts
- Ready to stream to Analytics (ELK)

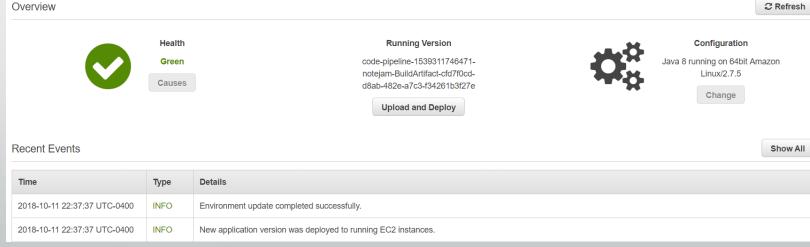


Application



Beanstalk

- Metric Based Autoscaling
- Rolling Updates and Deployments
- Application Versioning





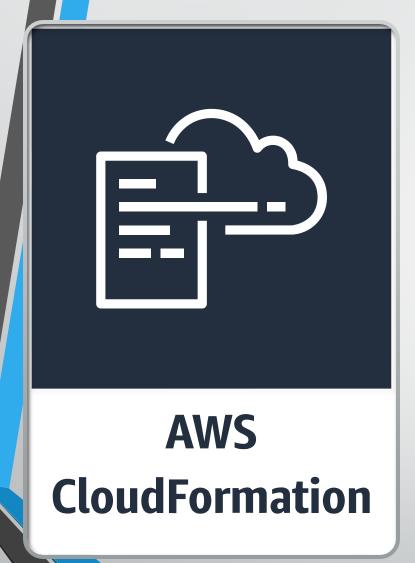




Continuous deployment

- Commit application updates with git.
- Automated test/builds on commits.
- Automated deployments to Beanstalk.

10.50.0.0/16 Architecture **Private Subnet** 10.50.0.0/24 10.50.2.0/24 Database Primary Scaling VPC(VPCNATgateway) Gateway Elastic Load Public Balancer Website **Public Subnet** Private Subnet Database 10.50.1.0/24 10.50.3.0/24 Secondary Standby **Bastion** Scaling Code updates CodePipeline CodeBuild Elastic Beanstalk CodeDeploy



Deployment

- Launch EC2 instance in AWS
- Clone Seed Repository
- Run deployment script
- Clone new application Repository
- Start Codding!