CLOUDYNAMIX CASE STUDY
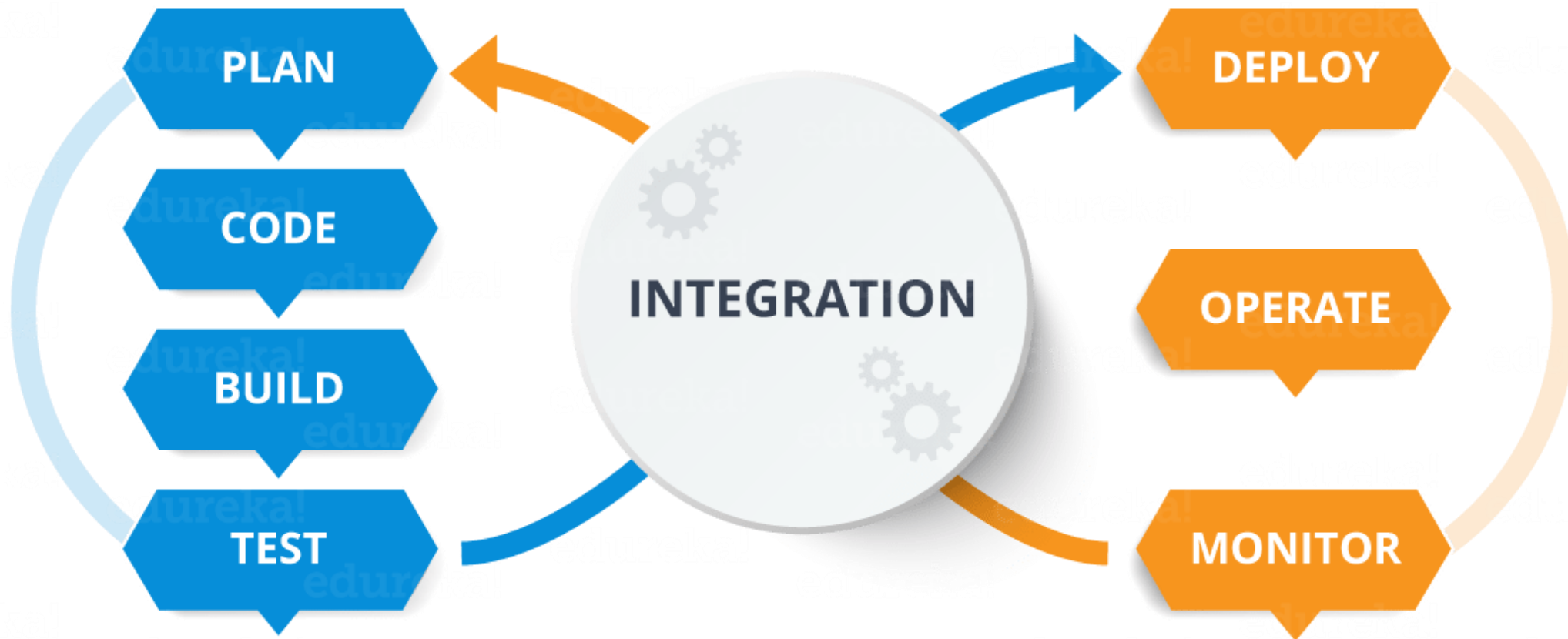
CUSTOMER INFORMATION

Customer have played a pioneering role in transforming traditional ideas of charity and introducing the concept of philanthropy to make a real difference to communities. Through grant-making, direct implementation and co-partnership strategies, Customer support and drive innovation in the areas of natural resources management and nutrition; rural livelihoods; enhancing civil society and governance. The Customers engage with competent individuals and government bodies, international agencies and like-minded public sector organizations to nurture a self-sustaining eco-system that collectively works across all areas.

CHALLENGES

Customer has a catalogue solution, used to manage rich microdata sets, data collected by member countries through agricultural surveys and also disseminate agricultural microdata or assist member countries in doing the same. This required an careful consideration of Deploying such an Architecture which will be sustain if Any of the component of the Application/Infrastructure is down while initiating the self Healing in the backend Automatically.

WHY CLOUDYNAMIX ?

Customer Shortlisted CLOUDYNAMIX to plan and setup Catalogue solution on AWS using cloud native services with capabilities of auto scaling and auto healing, Fault Tolerance and performant Architecture, CLOUDYNAMIX had come-up with architecture and DevOps strategy to meet customer's solutions requirements.

BENEFITS TO THE CUSTOMER

1) CLOUDYNAMIX introduced an One-click Deployment idea for customer infrastructure ,Wherein customer will input his Infrastructure requirements in a CloudFormation form and whole infrastructure would be Deployed along with Application in few seconds.

2) Customer need not to worry about code deployment and new release updates ,as it is handled automatically

3) Customer need not to worry if any of the Infrastructure component fails , as it is self healing Architecture

4) Customer need not to worry about Data Privacy ,Everything in this Architecture is with Security best practices.

5) Customer Engineer still has access to logs for Application/Infrastructure health checks.

SOLUTION STACK

Catalogue solution setup/host on AWS cloud environment:	AWS SSM
CIS Hardened Amazon linux 2 AMI	Elastic Load balancing
Bit bucket	Simple Storage Service
PHP Setup	Route 53
MySQL -Aurora RDS	AWS Inspector
Apache HTTP server	AWS Parameter Store
Catalogue Solution integration with Cognito for Single Sign on	AWS IAM
Email connectivity to Customer's email router for self-registration notifications of end users.	AWS KMS
Cloudformation	