

Unlocking No Code-Low Code (Ceebit)

Leveraging AWS Services

Business Outcomes:

-  Reduced Time-to-Market
-  Achieved 90% Code Coverage
-  Reduced Risk and Downtime
-  Enhanced Security and Compliance
-  Securely Managed Customer Data



Overview

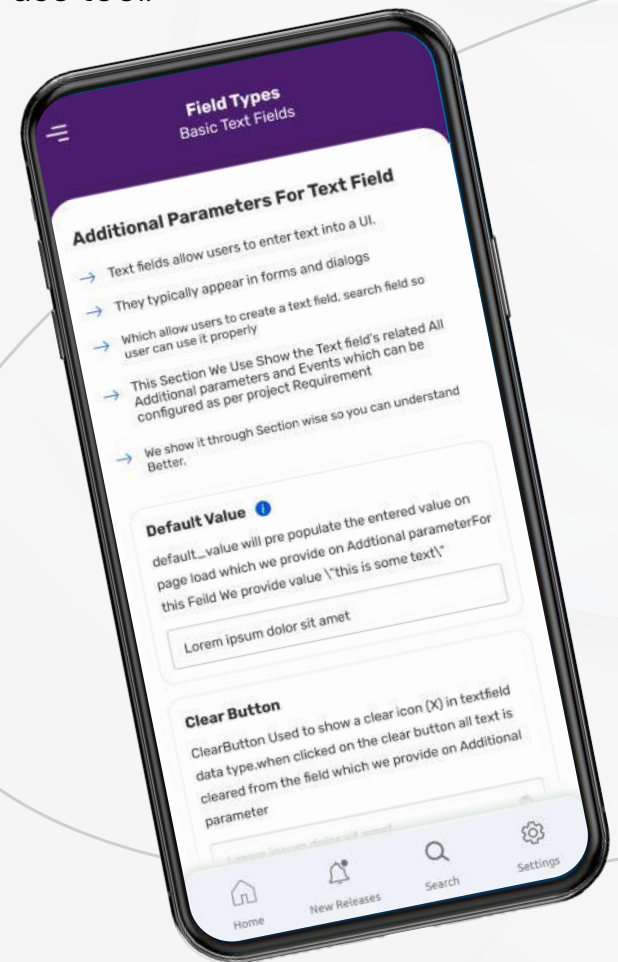
Inadev, a global enterprise, is the first to launch Ceebit, a platform that unites all aspects of enterprise application development and operations management into a single drop-in, ready to use tool.

Problem Statement

Ceebit needed a bundle of ready to use elements with its application delivery package.

- **DevSecOps pipelines**
- **IaC for cloud infrastructure**
- **Monitoring dashboards**
- **Effectively design and manage life-cycle for primary and archival data**

The goal was to establish a tested and fully functional application development infrastructure within a day to avoid spending weeks building, testing, and debugging complex custom IaC code and CI/CD pipelines. Dependency management of microservices for product release was also a major challenge.



Solution Provided

- Ceebit infrastructure provisioning automation is achieved using Terraform and Golang.
- Inadev built a robust CI/CD solution using the AWS EKS platform to deploy tools and services like Jenkins, SonarQube, Spinnaker, and the Grafana stack.
- AWS EFS service handles the persistent storage for EKS, while EC2, RDS and EBS storage services are also used. S3 is utilized for managing logs, data, and backups.
- The AWS Inspector service is enabled on Amazon ECR for the secure delivery of container images.
- Other services such as Lambda Function, Cognito, SES, and RDS databases are also used in this environment.



Ceebit – The Enterprise Development Ecosystem

Ceebit is an all-inclusive tool with a high-touch concierge approach to development. It can be utilized as a central nervous system that positions your team to be self-sustainable and equipped to tackle the challenges that come with modern enterprise development.



Speed to Market

Eliminate mundane coding tasks and get to market quickly with low-code, rapid application development.



Cross Platform Development

Build an application once and configure it for the platforms you need to achieve maximum exposure with your entire target audience.



DevOps Standardization

Build an application once and configure it for the platforms you need to achieve maximum exposure with your entire target audience.



Governance and Compliance

Achieve peace of mind with best-in-class governance and compliance that comes standard with Ceebit.



Storage strategies

Use backup EBS volumes using snapshots to protect against data loss. Implement robust backup and disaster recovery strategies for critical data by using AWS.

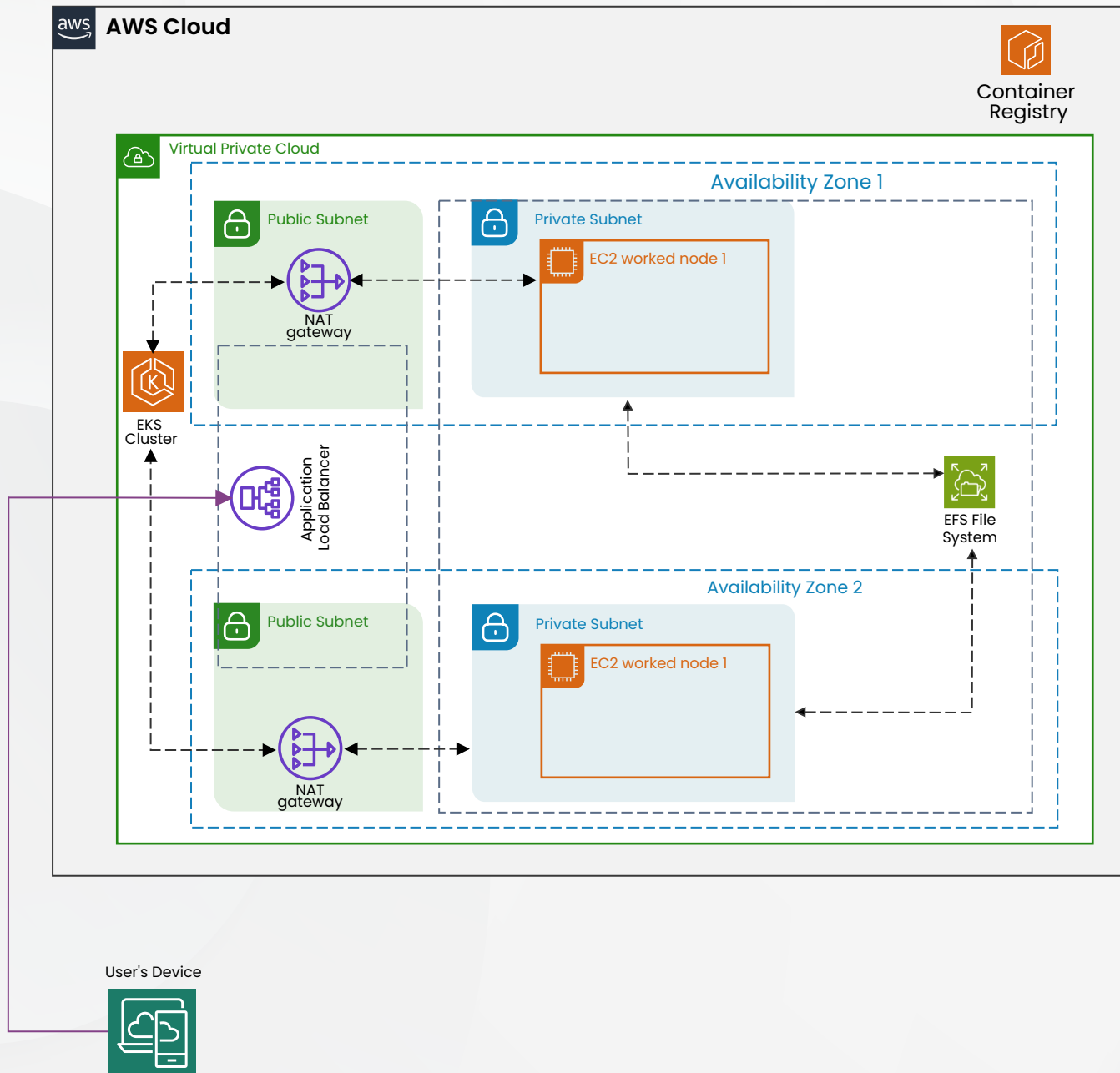
Ceebit DevSecOps – Business Outcomes

- 1 Automation scripts bundled in one-click deployment package and **reduced time-to-market.**
- 2 **Achieved 90% code coverage** target through SonarQube quality gate.
- 3 Resolved microservices dependency management with **Spinnaker implementation.**
- 4 Enabled **consistent and reproducible** infrastructure deployment.
- 5 **Reduced Risk and Downtime** with automated code testing and deployment pipelines.
- 6 Version control and auditability of IaC and pipelines **enhanced security and compliance.**
- 7 Enabled teams to quickly **identify and address** performance bottlenecks and issues.
- 8 **Data loss protection** achieved via encrypted EBS volume and snapshots.



Inadev has developed a one-click delivery package for Ceebit that will provision cloud infrastructure and deploy the application within an hour.

Architectural diagram:



Note: This diagram is for reference only. Please reach out to our sales or support for more information!

Business outcomes

Ceebit experienced a 25% reduction in overall AWS cloud costs through the combined effort of rightsizing instances, utilizing Spot Instances, implementing Savings Plans, and leveraging Karpenter.



Optimized resource utilization and reduced waste.



Minimized EC2 instances cost via Spot Instances.



Karpenter enabled cost-effective auto scaling.



Enhanced visibility into cloud spending with robust cost monitoring.