→The CI/CD benefits proposal contains essential benefits of CI/CD and describes the business context that will benefit from the automation tools. Explanation should include benefits that translate to revenue and cost for the business.

There are enormous benefits to put into consideration for towards the exploration and integration CI/CD operations on the management and supporting our ever-changing environment.

Which sole determinants are out of our control, these determinants are not limited to: Evolution within Regulation industries, Climate changes intervention and Cyber Attacks.

The robustness and reliability of system stood out to me, because as an Organisation that provide service to external customers, we love the users of our services to find us

Robustness and Reliable at the core of our values; also, to feel it in the usage of our services which made available through Information Technology. In-addition to this, there is global call to embrace the World of AI which literal mean automated services that available at pace faster than legacy way of delivery ser to end User.

In aspiration to reduce repetition of tasks; chances of risks and continuous increase support cost, there is need to avail the company to CICD operations, which will offer below benefits.

Benefits of CICD

Releasing software can be a pain, involving weeks of manual integration, configuration, and testing, with the constant fear of showstopping issues.

Continuous integration, delivery, and deployment (CI/CD) offer a better way, allowing organizations to release more frequently without compromising quality.

CI/CD automates repetitive tasks and notifies you of any issues, making the release process smoother and more efficient.

With an automated CI/CD pipeline, you can ship changes weekly, daily, or even hourly, enabling faster time to market and the ability to respond to trends and user needs.

Regular and thorough automated testing leads to better code quality, as bugs are caught earlier and fixed before more functionality is built upon them.

Automating infrastructure creation and deployment streamlines the release process, making it faster, more reliable, and less prone to errors.

CI/CD provides measurable progress through metrics, allowing you to identify areas for improvement and celebrate successes.

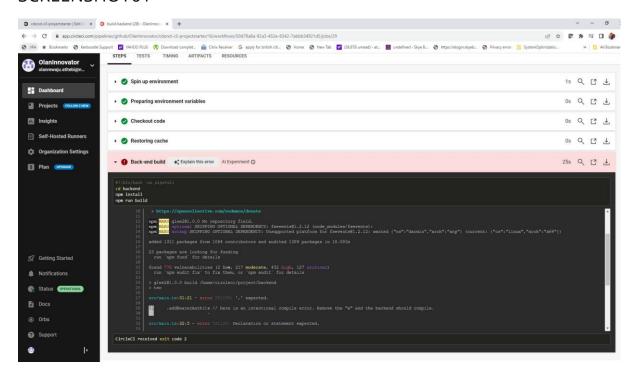
Rapid feedback loops and tighter team collaboration enhance efficiency, creativity, and communication.

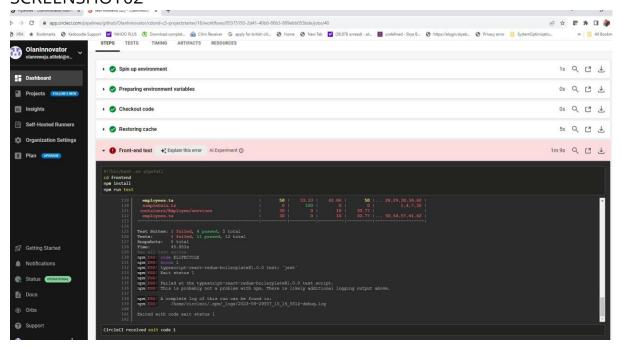
With an automated process, individuals are freed from repetitive tasks, allowing them to focus on problem-solving and innovation.

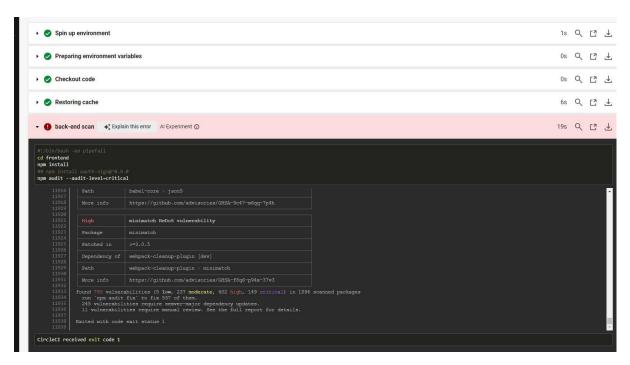
Building a CI/CD pipeline benefits the entire software development process, fosters collaboration, and improves job satisfaction.

Screenshots:

SCREENSHOT01

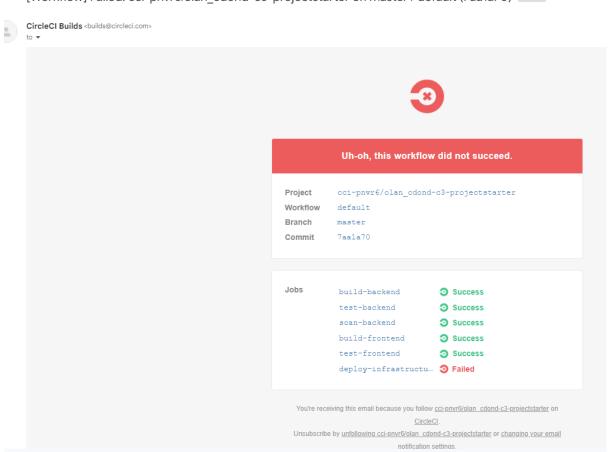


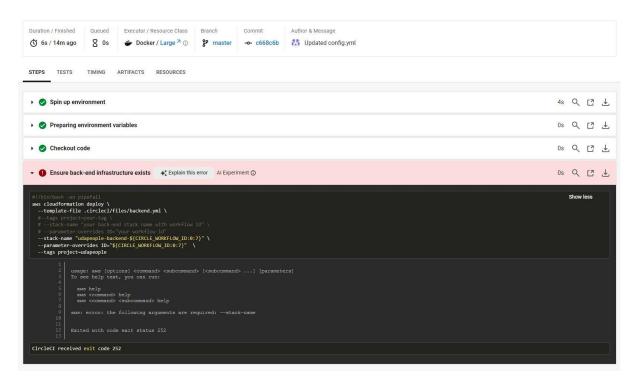


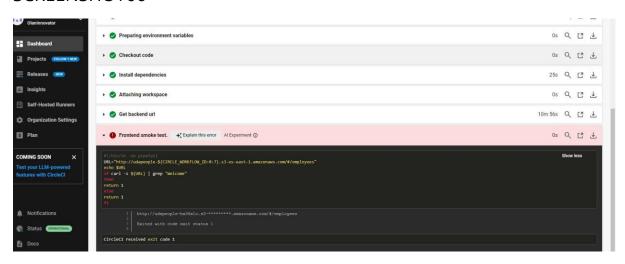


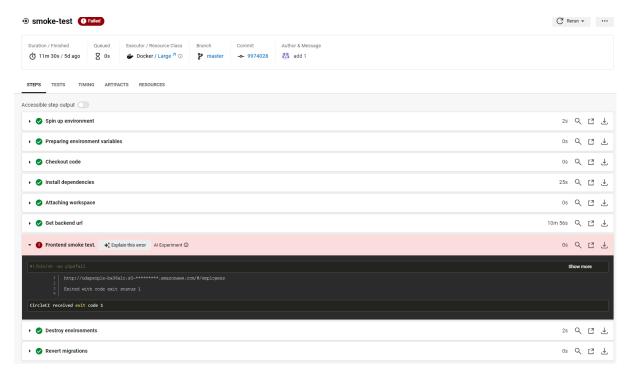
SCREENSHOT04

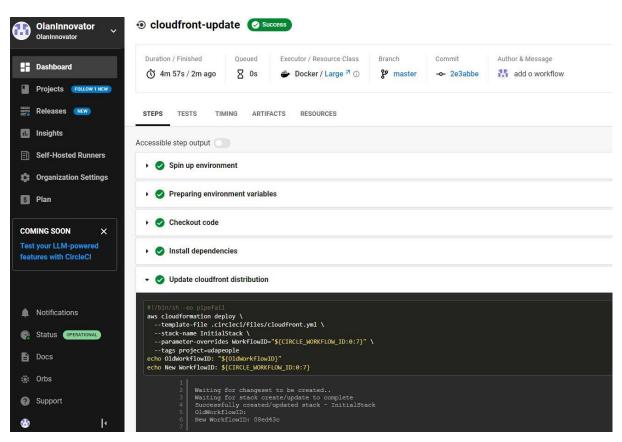
[Workflow] Failed: cci-pnvr6/olan_cdond-c3-projectstarter on master / default (7aa1a70) | Indox x

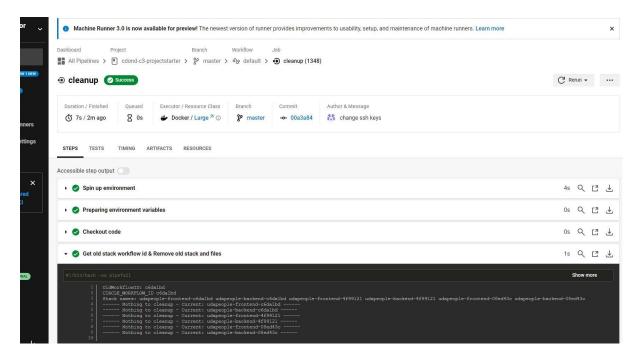


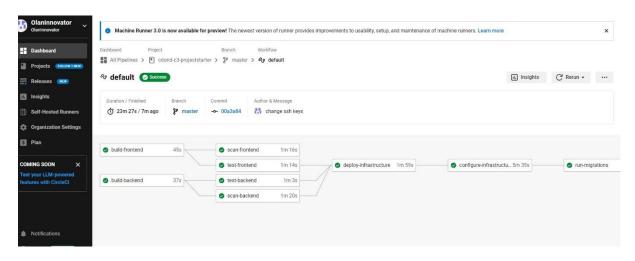


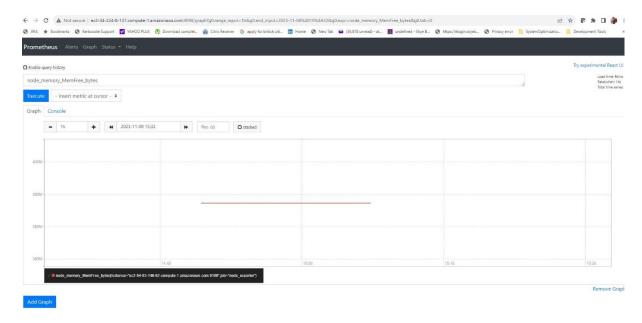


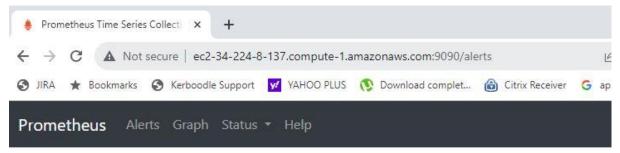












```
Inactive (1) Pending (0) Firing (0)

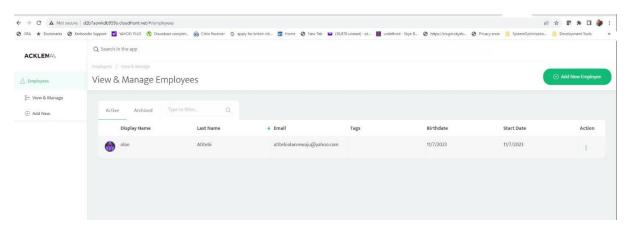
Show annotations

/etc/prometheus/rules.yml > Down

InstanceDown (0 active)

alert: InstanceDown
expr: up == 0
for: 3m
labels:
severity: critical
annotations:
description: ' of job has been down for more than 3 minutes.'
summary: Instance is down
```

URL03 SCREENSHOT



URL04_SCREENSHOT:



```
bbuntu@ip-172-31-43-9:/etc/systemd/systemS sudo systemctl status node-exporter

bountu@ip-172-31-43-9:/etc/systemd/systemS sudo systemctl status node-exporter

node-exporter.service - Prometheus Node Exporter Service

Loaded: loaded (/etc/systemd/system/node-exporter.service; enabled; vendor preset: enabled)

Active: active (running) since Wed 2023-11-08 14:42:33 UTC; 21s ago

Main FID: 1702 (node exporter)

Tasks: 3 (limit: 1121)

Memory: 1.7M

CPU: 6ms

CGroup: /system.slice/node-exporter.service

L-1702 /usr/local/bin/node_exporter

L-1702 /usr/local/bin/node_exporter

Nov 08 14:42:33 ip-172-31-43-9 node exporter[1702]: level=info ts=2023-11-08T14:42:33.1872 caller=node_exporter.go:112 collector=thermal_zone

Nov 08 14:42:33 ip-172-31-43-9 node_exporter[1702]: level=info ts=2023-11-08T14:42:33.1872 caller=node_exporter.go:112 collector=thermal_zone

Nov 08 14:42:33 ip-172-31-43-9 node_exporter[1702]: level=info ts=2023-11-08T14:42:33.1872 caller=node_exporter.go:112 collector=thermal_zone

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Nov 08 14:42:33 ip-172-31-43-9 node_exporter[1702]: level=info ts=2023-11-08T14:42:33.1872 caller=node_exporter.go:112 collector=thermal_zone

Nov 08 14:42:33 ip-172-31-43-9 node_exporter[1702]: level=info ts=2023-11-08T14:42:33.1872 caller=node_exporter.go:112 collector=thermal_zone

Nov 08 14:42:33 ip-172-31-45(/**ex/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/system
```

URL05_SCREENSHOT

