



CASE STUDY

Implemented an Automated CI/CD Pipeline for a Leading Health Insurance Provider to Reduce Deployment Time and Downtime

CHALLENGES

The client faced several challenges in their deployment process, including a high risk of human error due to manual file copies, extended deployment durations that led to increased application downtime, and the need for manual rollbacks in case of deployment or feature failures.

Additionally, multiple deployments required repetitive steps, adding to inefficiency, while managing numerous dependencies involved coordination with respective SPOCs and engineers, further complicating the process.

SOLUTIONS

To address these challenges, Euphoric suggested the client:

1. To adopt Azure DevOps Pipelines with YAML templates to streamline and standardize the deployment process.
2. A dedicated build server was implemented to generate artifacts, rather than storing them in Azure File Server or Storage, thereby improving efficiency and reliability.
3. The build and packaging processes for .NET, .NET Core, NodeJS, and Angular applications were automated, reducing manual effort and errors.
4. Deployment scripts were created in PowerShell to handle IIS site updates, application pools, configuration file transformations, and restores.
5. Additionally, an auto-rollback mechanism was introduced to handle failures seamlessly, ensuring minimal downtime and improved deployment resilience.

BENEFITS

The client gained a complete set of the following benefits from the solution provided by Euphoric:

1. Deployment time reduced: Optimized pipelines cut deployment duration from 2–3 hours to just 10 minutes.
2. Near-zero downtime: Slot swaps enabled seamless transitions during deployments.
3. Deployment tracking: Audit logs allow developers to monitor and trace each release.
4. Automated rollback: Previous builds are retained to enable instant rollback in case of failure.

TECH STACK

- .Net
- NodeJS
- Angular
- IIS
- Windows Servers

EUPHORIC THOUGHT TECHNOLOGIES

What we do?

- Software Product Engineering
- Cloud
- DevOps
- Data Engineering & ML
- ServiceNow Consulting

Visit us-

www.euphoricthought.com

Contact us-

sales@euphoricthought.com