

Image Features Identification and Analytics

Our Customer, an US based company building a AI product to extract image features and generate business analytics for tracking, security and business insights.



A tool-based and automated remediation solution was needed to handle the volume of fixes to the environments.

Challenges

- Integrate various types of camera feeds.
- Implement ML Ops
- Automate backend and user facing product functions.
- Every change needs to be automated and tested with backout planning

Solution

- **Stanra** implemented video image processing processes and integrated them with the **ML engine using Kubernetes**
- Created **Cypress-based automation framework**.
- Added **automation tests** in **deployment** and **reduced the time** and **manual testing efforts**.
- **Three-pronged plan: Analysis** of running application, **Implement** best practices and **Automation**
- Developed scripts using **Python** and **Terraform** for **automated modifications** across the set-up
- **Test the scripts** in a **development environment**
- **Workshop with customers** and **execution in Production**.

Innovation

Automated intervention, no manual activity

Benefits

- Moving to Well Architected Framework and implement best practices
- Automation
- Time saving to test whole application

Result Highlights

Automated Interventions

Moved to Well-Architected Framework

Time Saved for Application Tests