

# CLOUD BASED CANDIDATE VERIFICATION SOLUTION

for a Global Leader in Test Automation



**Services:** Product Engineering & Innovation, Digital Experience, Cloud, Microsoft

## OVERVIEW

The customer is a U.S based company in Test Administration and Management Industry. They deliver more than **7 Million** Examinations Annually in over 180 Countries through their flexible and secure network of test sites.

## CHALLENGES



Unavailability of a fool-proof system of authentication and verification to tackle the widespread prevalence of proxy candidates



Difficulty in conducting examinations due to delays in manual candidate authentication and verification. The customer was unable to keep track of candidates over a long period of time (> 3 Years)



Insufficiency of the existing system to provide a seamless exam

## SOLUTION

- 1 Fingerprint authentication solution (FIPS 140-2 compliant) to identify and prevent proxy candidates from taking examination (Online/Offline verification supported)
- 2 Biometric Template (ISO and 3rd party) creation and registration on AWS, Supports 1:1 and 1:N verification by capturing fingerprints and storing in a cloud-based storage
- 3 Provides quick turnaround time: < 45sec on 500K records with simultaneous requests flowing in from 700+ test centers
- 4 Proxy/Duplicate Fingerprint Backup, DB Back up & Security on AWS, FRR (False recognition rate), FAR (False Acceptable rate) Threshold configuration
- 5 3rd party devices integrated include: Futronic, Secugen and UPEK Scanner devices
- 6 Web-based audit log and reports depicting enrollment list, rejection list, proxy list

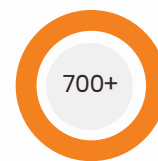


- 1 Complete foolproof security provided impacting Test takers, Test owners and Test administrators
- 2 Enhanced the overall experience by allowing walk-in candidates with AWS based solution
- 3 Integrated with current infrastructure at minimal cost

## OUTCOMES



**7Mn+**  
Exams  
conducted  
annually



**700+**  
Test centers in India  
have deployed the  
solution



**94+**  
Proxy candidates  
identified in year 1

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