





 lokibots

# **A platform for human bot collaboration A platform to create software bots with zero code**

**Create bots to automate repetitive  
computer tasks without coding skills**

**Intelligent Automation  
Document Understanding AI  
Conversational AI  
ML Forecasting & Predictions  
Emotion AI  
Image & Video Analysis**

# Audit Compliance

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## Customer background

Integrated mining and resources producer

Operates world's largest mines

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**Industry**  
Mining

**Geo**  
APAC

**Country**  
India

**Segment**  
Large Global Enterprise

## The Challenge

- User has to login to multiple SAP/ERP environments and download the tables.
- Capture SAP table screenshots for audit and compliance purposes.
- Compare the data for SOD rules and approvals
- Prepare exception report for the Auditors
- Applications: SAP, Solution Manager, Excel, Email.
- Nature of runs in a year-24
- Time taken - 60 minutes

## The Solution

- BOT downloads the data from tables of multiple SAP environments.
- Compares the data for SOD compliance & approvals
- Prepares an exception report and emails to management
- Bot is scheduled to run weekly
- Time taken - 5 minutes

## The Results

Implementation - 2 weeks  
Improvement in execution time - 92%  
Process time saved - 55 mins per run (Estimated)  
Number of runs in a year - 365  
Total \$ savings - \$3,650 per year

# KYC Verification

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## Customer background

One of the largest microfinance company in India.

Supports women in rural & semi-urban areas.

Catering to ~100k borrowers through 41 branches

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**Industry**  
NBFC

**Geo**  
APAC

**Country**  
India

**Segment**  
Large Enterprise

## The Challenge

- Manual verification of KYC documents & photo
- Manually verifying each field between Loan Management System(LMS) and KYC documents including photos, signatures and stamps.
- Continuously switching between screens.
- 5000 loan applications processed per day
- Time taken - 8 minutes per application

## The Solution

- End-to-End process automation with LokiBots
- OCR++ & Machine Learning techniques used for comparison between LMS and KYC Documents.
- Results and exceptions are reported.
- Zero human intervention
- Time taken - 3 minutes

## The Results

Implementation - 4 weeks  
Improvement in execution time - 92%  
Time savings envisaged- 100k hrs per year  
Total \$ savings envisaged- \$200k per year

# Resume Parsing

## Customer background

Human Resource  
outsourcing company

Handles resume parsing  
for multiple clients

## Industry

Back office & Outsourcing

## Geo

APAC

## Country

India

## Segment

Small & Medium Business

## The Challenge

- To parse the resumes and turn the data into a structured format.
- A person has to sift through every resume that comes in & shortlist candidates based on job description
- As time goes on, a person loses interest in doing the repetitive process, which affects productivity.
- Time taken - 10 minutes for 1 resume

## The Solution

- Data extraction from unstructured resumes with resume parsing API.
- Feeding the extracted data to the resume management system as part of the database building.
- Rich structured data output, to support powerful recruitment workflow applications.
- End-to-End process automation with LokiBots reduces the cost & effort on manual data.
- Time taken – 1 minute for each resume

## The Results

Implementation – 2 weeks  
Improvement in execution time - 10x  
Process time saved - 10k hrs/year (estimated)  
Total \$ savings - \$100k/year(approx)  
ROI ~ 5x (Estimated)

# Financial Statement Generation

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## Customer background

Accounting, tax & financial modeling firm

Supporting 1k+ clients across globe

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### Industry

Financial Services

### Geo

AMS

### Country

United States (San Francisco)

### Segment

Small sized enterprise

## The Challenge

- Total number of customers 700 approx.
- Manually download from QuickBooks app the following statements for each customer monthly:
  - Income Statement,
  - Balance Sheet &
  - Cash Flow statements
- Format the downloaded excel files & merge them
- Applications: Quickbooks, Excel, Email
- Time taken - 15 minutes
- Repetitive and Time Consuming

## The Solution

- Automated the downloading of data from QuickBooks in excel
- BOT formats downloaded excel files as per customer needs and merges files into one
- Bot is scheduled to run monthly
- Time taken - 1 minute

## The Results

Implementation - 2 weeks

Improvement in execution time - 92%

Process time saved - 1960 hrs per year (Estimated)

Total \$ savings - \$7,000 per year (Estimated)

ROI - 100% (Estimated)

# Pollution Monitoring

## Customer background

Manufactures air pollution control equipments

Over 40 installations across India

Helps in reducing pollution in Industries, Factories, Offices, Indoors facilities

## Industry

Back office & Outsourcing

## Geo

APAC

## Country

India

## Segment

Small & Medium Business

## The Challenge

- Pollution monitoring and controlling equipments (a.k.a monitor) are deployed at various customer locations across India.
- A person needs to generate a report for all the deployed equipments (monitors)
- A comparative analysis on a daily basis is done for all 40+ monitors.
- The results are sent in graphical form to customers
- Time taken : >45 minutes for each monitor

## The Solution

- BOT logs into monitors and collates the data for report building.
- The reports generated are compared by the bot. Graphical representation is produced by the bot and emailed to customers.
- Customized API for faster implementation
- Bot is scheduled to run daily.
- Time taken - 2 minutes for each monitor

## The Results

Implementation - 3 weeks  
Improvement in execution time - 99%  
Process time saved - 1440 hrs yearly  
Total \$ savings – 5,000 USD  
ROI – 100%

# Data Extraction from Insurance Forms & Mandates

## Customer background

One of the top NBFC offering automobile financing and business loans

Part of a group which is 110 year old and worth \$8.5 billion

**Industry**  
NBFC

**Geo**  
APAC

**Country**  
India

**Segment**  
Enterprise

## The Challenge

- Collect the mandates & insurance forms of customers
- Crop the mandates.
- Extract the required fields from the documents in a structured format manually.
- Update the extracted data in the system.
- Manual errors leading to incorrect data being fed.
- Total number of documents 1,00,000 per month
- Time taken: 2 minutes for each document

## The Solution

- Bot reads the folder in which mandates & insurance forms are kept.
- With the help of an in-house built machine learning model, Bot crops the mandates and extracts the required data from the same.
- Uncropped and unread mandates are moved to a different folder which can be checked manually by the user.
- Extracted data is fed into the transactional system by the bot.
- Accuracy of > 98 %.
- Time taken 20 seconds for each document.

## The Results

Implementation - 8 weeks

Improvement in execution time - 15x

Process time saved – 33,333 hrs/year

Total \$ savings - \$40,000 USD approx/year

ROI ~ 3x



# Order to Cash

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## Customer background

30 years into existence

Supports 30k+ clients

Spread across India in 11 locations offering 12 solution categories

First NABL lab in the state

Largest 3rd party testing lab in India

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## Industry

Testing & Assurance

## Geo

APAC

## Country

India

## Segment

Medium sized enterprise

## The Challenge

- Manually download daily sales of different branches & departments from Order Management System
- Manually upload the billing data for each customer into the accounting application
- Applications: Web app, Desktop app, Excel
- Time taken - 120 minutes

## The Solution

- BOT logs in the ordering system and downloads sales data of branches.
- BOT formats the data and uploads in accounting system for billing.
- Zero human intervention
- Bot is scheduled to run daily
- Time taken - 5 minutes

## The Results

Implementation - 2 weeks.  
Improvement in execution time - 92%  
Process time saved - 600 hrs  
Total \$ savings - 3,000 Usd per annum  
ROI - 50%

# Cash deposit reconciliation with bank statements

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## Customer background

A digital platform enabling a full suite of Banking, Financial Services and Insurance (BFSI) solutions

Offering retailers and consumers a one-stop solution for BFSI services

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**Industry**  
Banking

**Geo**  
APAC

**Country**  
India

**Segment**  
Small & medium enterprise

## The Challenge

- Read and extract important fields from deposit slips
- Match extracted fields with the bank statements
- Logging the result and raising red flag in case of mismatch
- Time taken - 10 minutes for each slip

## The Solution

- With AI/ML techniques bot reads deposit slips.
- BOT extracts data in an excel file.
- Data is compared with the bank statement.
- Mismatched data is highlighted by the BOT.
- Bot is scheduled to run daily
- Time taken - 1 minute for each slip

## The Results

Implementation – 1 week  
Improvement in execution time - 10x  
Process time saved – 1.5k hrs/year (estimated)  
Total \$ savings - \$10k/year (estimated)  
ROI ~ 5x (Estimated)

# Customer Tax Status Check (GST)

## Customer background

In existence since 1991

One of the largest privately held cement companies

Significant footprints in Southern and Western India

## Industry

Cement Manufacturing

## Geo

APAC

## Country

India

## Segment

Large Organization

## The Challenge

- Verifying the GSTIN status of approx 1,000 customers daily for generating e-way bill before dispatching the goods.
- If the status of a customer is found to be inactive after goods are loaded then the vehicle is stranded for want of e-way bill.
- As a result, large detention charges has to be paid to the transporter.
- Difficult to manually verify status of 1K customers and then take necessary actions on a daily basis.

## The Solution

- BOT is scheduled to continuously check the GST status of customers for whom orders are processed.
- If the status is found inactive, bot blocks the order for further processing.
- If status found active bot de-blocks the order.
- Zero human intervention
- Time taken - 30 seconds for each customer

## The Results

Implementation – 2 weeks

Improvement in execution time - 96%

Process time savings envisaged - 8000 hours/year

Total \$ savings envisaged- 20k USD/year

ROI – 120%

# E-commerce order logging automation

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## Customer background

One of the top steel  
producing companies  
in the world

Operates in 26 countries  
with 80k employees

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**Industry**  
Manufacturing

**Geo**  
APAC

**Country**  
India

**Segment**  
Large enterprise

## The Challenge

- Huge volume of orders needs to be placed manually every day on an e-commerce portal.
- Different fields viz Zone, Brands, Items, Quantity are to be selected while placing the order.
- Order needs to be placed by traversing through a wizard which is time-consuming.
- Orders needs to be placed multiple times throughout the day.

## The Solution

- BOT can trigger the order automatically depending upon the stock situation.
- BOT has the ability to select appropriate fields depending on the requirements.
- BOT can quickly traverse through the wizard.
- Time taken - 1 minute for each order

## The Results

Implementation – 1 week  
Improvement in execution time - 10x  
Process time saving envisaged - 10k hrs/year  
Total \$ savings envisaged - \$15k usd/year  
ROI envisaged~ 5x

# Invoice Validation

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## Customer background

Established in 1900

Global leader in freight forwarding & supply chain solutions

Largest Indian freight forwarder in the global market

Ranks in the top 3 logistics companies in India

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**Industry**  
Logistics

**Geo**  
APAC

**Country**  
India

**Segment**  
Enterprise

## The Challenge

- To parse invoices with 40 labels.
- Invoices are in different formats.
- Validate the parsed results against spreadsheets.
- Repetitive and mundane task
- Prone to errors if done manually
- Time taken - 10 minutes for each invoice

## The Solution

- Integrated the Machine Learning API and trained it on customer invoices to parse labels.
- Downloaded the parsed labels in a spreadsheet file.
- Built validation rules to validate the parsed labels with prefilled spreadsheet data.
- Labels that do not match are highlighted
- Time taken - 1 minute for each invoice

## The Results

Implementation time - 4 weeks  
Improvement in execution time - 10x  
Process time savings envisaged- 8k hrs/year  
Total \$ savings envisaged - \$25k/year  
ROI envisaged ~ 125%

# Corporate e-filing automation

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## Customer background

San Francisco based law firm that serves entrepreneurs, small businesses and startups as they grow and evolve.

It provides service to a lot of corporations and firms.

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**Industry**  
Legal services

**Geo**  
AMC

**Country**  
United States of America

**Segment**  
Enterprise

## The Challenge

- Corporate and LLC filing on government's website after extracting information from business clients.
- Verifying the details from previous filing (if exists) manually is prone to manual error.
- Procedure for filing is a time-consuming process.
- Time taken 2 hours for each filing

## The Solution

- End-to-end process automation with LokiBots
- Designing and implementing the process by creating three independent modules - Business search, Filing and Information verification.
- PDF reading using OCR and information extraction
- Faster and accurate solution.
- Time taken 20 minutes for each filing

## The Results

Implementation -2 weeks  
Improvement in execution time - 6X  
Process time saving envisaged ~ 300 man hrs/year  
Total \$ savings envisaged - \$12k  
ROI envisaged~ 80%

# Call logging automation

## Customer background

IT Solutions provider leading digital transformation

More than 20 years of existence

100 support offices across India

**Industry**  
IT

**Geo**  
APAC

**Country**  
India

**Segment**  
SME

## The Challenge

- Call records has to be downloaded from an external CRM portal after applying certain filters.
- Formatting the downloaded file and making it compatible for uploading into the company's CRM.
- A dedicated person needs to do the steps manually and repeatedly every 5 - 10 minutes
- Extremely repetitive task and is prone to manual errors while formatting and filtering the data.

## The Solution

- BOT is configured to download the data from the external portal.
- Downloaded data is formatted to make it compatible to be uploaded in the customers CRM portal.
- BOT uploads the formatted file to the customers portal.
- BOT sends the updates of work performed via email to the designated person.
- Execution time : 3 minutes

## The Results

Implementation – 2 weeks  
Improvement in execution time - 10x  
Process time saved - 2k hrs/year  
Total \$ savings - \$20k/year  
ROI ~ 4x (Estimated)

# HR Workflow Automation

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## Customer background

An Enterprise HCM platform for the betterment of workforce covering the entire spectrum from Onboarding to Offboarding and beyond.

NASSCOM Emerge fastest 50 Winners 2013

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**Industry**  
Automation

**Geo**  
APAC

**Country**  
India

**Segment**  
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## The Challenge

- Ad-Hoc data input & manual copying to the web portal  
Prone to human error.
- Multiple screens traversal
- Data Sanitization and Cleansing at each level.
- Time taking, mundane, and repetitive tasks.

## The Solution

- Building an end-to-end solution which reads the data, cleanse it, validates it and then enters it at the correct placeholder.
- Once the bot is triggered it can complete multiple tasks one after the other which actually covers more than single process in the workflow.
- Bot is designed to take any input from people and work accordingly.

## The Results

Implementation - a week  
Improvement in time - 5x  
Process time saved - 1500 hrs per year  
Total \$ savings - \$20k/year  
ROI - 100%



# AWS Data download & entry

## Customer background

One-stop-shop virtual  
alliance manager

SaaS platform to manage  
partnerships, vendor  
compliances, lead &  
revenue tracking

**Industry**  
Software

**Geo**  
APAC

**Country**  
India

**Segment**  
Small & medium business

## The Challenge

- Retrieve data from AWS partner central portal
- Populate the exported data into company's web portal
- Repetitive and mundane task
- Time taken - 60 minutes for each data refresh

## The Solution

- BOT Logs into the AWS partner portal and downloads the data.
- Formats the data and uploads the same in the company's web portal
- Bot is scheduled to run 24/7
- Time taken - 6 minutes for each data refresh

## The Results

Implementation - 2 days  
Improvement in execution time - 10x  
Process time saved - 2k hrs/year (estimated)  
Total \$ savings - \$10k/year (estimated)  
ROI ~ 5x (Estimated)

# Portal Data Scrapping

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## Customer background

A leading giant in the space of Training and Consulting

Catering services globally across 25+ countries

Successfully trained over 1,12,000 students and professionals world-wide.

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**Industry**  
Training Services

**Geo**  
APAC

**Country**  
India

**Segment**  
Enterprise

## The Challenge

- Manually scrape data on LinkedIn using RPS & browse through every user info to fetch the required information.
- Download the profiles and data in excel.
- Format the data downloaded.
- Time consuming and stressful process.
- Monotonous processes leads to increase in procrastination and decrease in productivity.
- Time taken - 20 seconds for each profile (1500 profiles/8hrs)

## The Solution

- End-to-end process automation with LokiBots
- Open each profile and scrape the data.
- Instead of copying and pasting the data from internet, you can choose what data you would like to collect
- Time taken - 2 seconds for each profile (15,000 profiles/8hrs)
- 45,000 profiles per day - no downtime

## The Results

Implementation - 1 day  
Improvement in execution time - 10X  
Process time saved - 2.5K man hrs/year  
Total \$ savings - \$ 16K / year  
ROI ~ 100%

# WhatsApp messaging

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## Customer background

In existence since 1960

Non-profit, spiritual and  
charity organization

Spread across the globe

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**Industry**  
NGO/Non-Profit

**Geo**  
APAC

**Country**  
India

**Segment**  
Large Organization

## The Challenge

- Manually searching the contact in the whatsapp contact list.
- To send text messages to thousands of contacts through WhatsApp.
- Copy the message and send to the selected contact
- Time consuming and laborious process.
- Time taken: 1-2 minutes (Approx.) for each contact

## The Solution

- BOT is designed to pick and send the defined message.
- BOT selects the designated audience from the contact list to send the message.
- BOT is scheduled to run thrice a week.
- Time taken - 20 seconds for each contact

## The Results

**Implementation time - 2 days**  
**Improvement in execution time - 50%**

# Patient Onboarding

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## Customer background

Super specialty hospital

Providing 333-bedded tertiary care

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**Industry**  
Healthcare

**Geo**  
APAC

**Country**  
India

**Segment**  
Large Global Facility

## The Challenge

- During the lockdown, this hospital had started remote-consultation service for the patients from all over the country to reach out to the doctors.
- Each time a patient consults the doctor, a record is generated.
- An operator needs to merge duplicate records created for that patient for easy reference.
- Manually segregating the patient-wise records and merging them one by one is a labor intensive and time-consuming process
- Time taken 2 minutes per record.

## The Solution

- BOT logs into the patient registration system and downloads all the data of the patients.
- Based on the predefined parameters like first name, last name, age, address etc. bot merges the duplicate records from the downloaded data.
- BOT sends a status email for the records processed
- Time taken - 20 seconds for each record.

## The Results

Implementation - 2 week  
Improvement in execution time - 10x  
Process time saved - 300 hrs per year (Estimated)

# COVID Test Results Upload

## Customer background

One of the largest  
Diagnostics Companies  
in India

Performs ~125k tests per day

Global presence in Dubai,  
Afghanistan and Nepal

**Industry**  
Healthcare

**Geo**  
APAC

**Country**  
India

**Segment**  
Enterprise

## The Challenge

- Download the Covid-19 test results from the testing system.
- Manually Upload covid-19 testing record of each patient on the 'Indian Council of Medical Research' web portal
- Repetitive and mundane task, prone to human errors
- Huge volume of information to be handled
- Total Time: ~5 minutes for each record

## The Solution

- BOT downloads the data from the testing system. BOT formats the data downloaded from the testing system in excel.
- Bot uploads the data from the excel file for each of the patient on the ICMR website.
- BOT is scheduled to run at a predefined interval.
- Time taken: ~1 minute for each record

## The Results

**Implementation – 2 weeks**

**Improvement in execution time - 8x**

**Process time savings envisaged 300 hours per day**

**Total \$ savings envisaged- \$100k usd/year**

**ROI envisaged ~ 300%**

# COVID Helpline Service Automation

## Customer background

In such a challenging pandemic time, many service organizations took a step to serve the needful.

Verified details regarding availability of Oxygen, Plasma, Food, Tele Consultancy, Beds, Medicines etc., are provided to the patients who are in need.

**Industry**  
NGO

**Geo**  
APAC

**Country**  
India

**Segment**  
Small organization

## The Challenge

- Patient/Attender in need for any services will call the helpline number and give their details and requirements.
- Volunteers are assigned to receive calls and take down the information of the patient.
- Scrape through the supply sheet and pass the required information to the patient.
- High volume of incoming requests for each volunteer.
- Late responses can have direct impact on the life of the patient

## The Solution

- Patient/Attender calls the helpline number, requirement form will be sent to their whatsapp number.
- Once they fill the form, data gets populated into google sheet. BOT picks and classifies the requirements into different categories.
- BOT gathers information from supply sheet and sends messages to all the requests in bulk.
- The quickest way from Q to A!

## The Results

Implementation -2 days  
Improvement in execution time - 10X  
Total Savings - Many Lives Saved  
Helps in healing a hurting world

# Student Performance Monitoring

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## Customer background

Parent of kids attending international school

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**Industry**  
Education

**Geo**  
APAC

**Country**  
India

**Segment**  
International School

## The Challenge

- Parents need to login to school portal everyday for keeping a track of all the assignments, homeworks and notices for that day.
- They need to open various sections to extract and download the information for each of their child everyday.
- It takes nearly 20 to 25 minutes

## The Solution

- BOT logs into the school portal at a predefined interval.
- BOT logs into various sections viz, assignments, homework, notices etc.
- BOT downloads the necessary information.
- Formatted information is emailed as an attachment to the parents.
- Time taken - 2 to 3 minutes

## The Results

Implementation – 2 weeks  
Improvement in execution time - 8x  
Process time savings envisaged 300 hours per day  
Total \$ savings envisaged- \$100k usd/year  
ROI envisaged ~ 300%

# Feedback Survey

## Customer background

An NGO based in  
Silicon Valley, CA, USA

Provides help and support  
for women empowerment

**Industry**  
NGO

**Geo**  
AMS

**Country**  
USA

**Segment**  
Medium size

## The Challenge

- Sending survey links through SMS and email periodically.
- Sorting candidate data to whom survey links need to be sent.
- Regular checks required, time-consuming process
- Applications: Web app, Email, SMS
- Time taken: 60 minutes for a survey batch

## The Solution

- BOT is integrated with messaging system and email to send the survey link through both means.
- BOT verifies the candidates to whom the link is sent.
- BOT sends reminders in case the survey is not filled within a specific time period.
- BOT is scheduled to run daily
- Time taken - 10 seconds for a survey batch

## The Results

Implementation - 1 week  
Improvement in execution time - 99%



# Setting up Infrastructure for online DC process

## Customer background

An Indian multinational conglomerate with business interests in engineering, construction, manufacturing, technology and financial services.

Operating world-wide, also regarded as one of India's largest and most respected company.

## Industry

Manufacturing

## Geo

APAC

## Country

India

## Segment

Large Organization

## The Challenge

- The organization conducts an online DC session in their office.
- Participants have to physically be present in the regional office where the session is conducted under constant supervision.
- During the pandemic, most participants were unable to visit the office.
- However, online process needed to be conducted for all participants across the globe with the same amount of supervision.

## The Solution

- Using Infrastructure of LokiBots, an isolated environment was setup with all the requirements in place. (IaaS)
- Users were given access to this customized environment through separate credentials.

## The Results

Implementation -5 to 6 weeks  
Improvement in execution time - NA  
Process time saved - NA  
Total \$ savings – \$10k /year  
ROI – 100%

# Interested to know more.

We will be pleased to demo  
our prototype & share our roadmap.