

A2



BENEFITS PLATFORM INTELLIGENT AUTOMATION

PROBLEM BACKGROUND

One of America's largest healthcare payers recently increased its market share through multiple acquisitions. In order to provide a seamless customer experience and facilitate growth, the benefits encoding operations need to rapidly scale. However, the current benefits operations are performed manually, leading to errors, delays in updating benefits and difficulty in tracking errors.

CHALLENGE

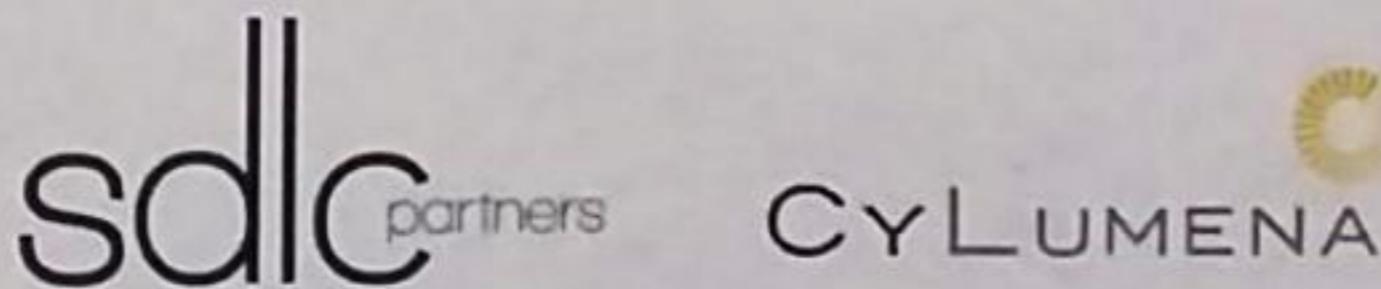
Create an Intelligent Automation (RPA¹ + AI²) solution to read hand-written benefits changes and make the necessary updates to benefits platforms with appropriate exception handling. Build a scalable and repeatable benefits platform operation that can be easily governed, audited and monitored. Error handling should be easy to understand.

DATA

Test data containing patient information in a PDF format is provided. The PDF contains information that is both handwritten and typed. You are free to create your own test data to train your solution to be more sophisticated.

¹ RPA: Robotic Process Automation

² AI: Artificial Intelligence



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TECHNOLOGIES/TOOLS/APPLICATIONS

You can leverage any available RPA Tools (E.g., UiPath Studio), OCR Capable tool (E.g., Microsoft Cognitive Services) and spreadsheet programs (e.g., MS Excel)

PROCESS FLOW

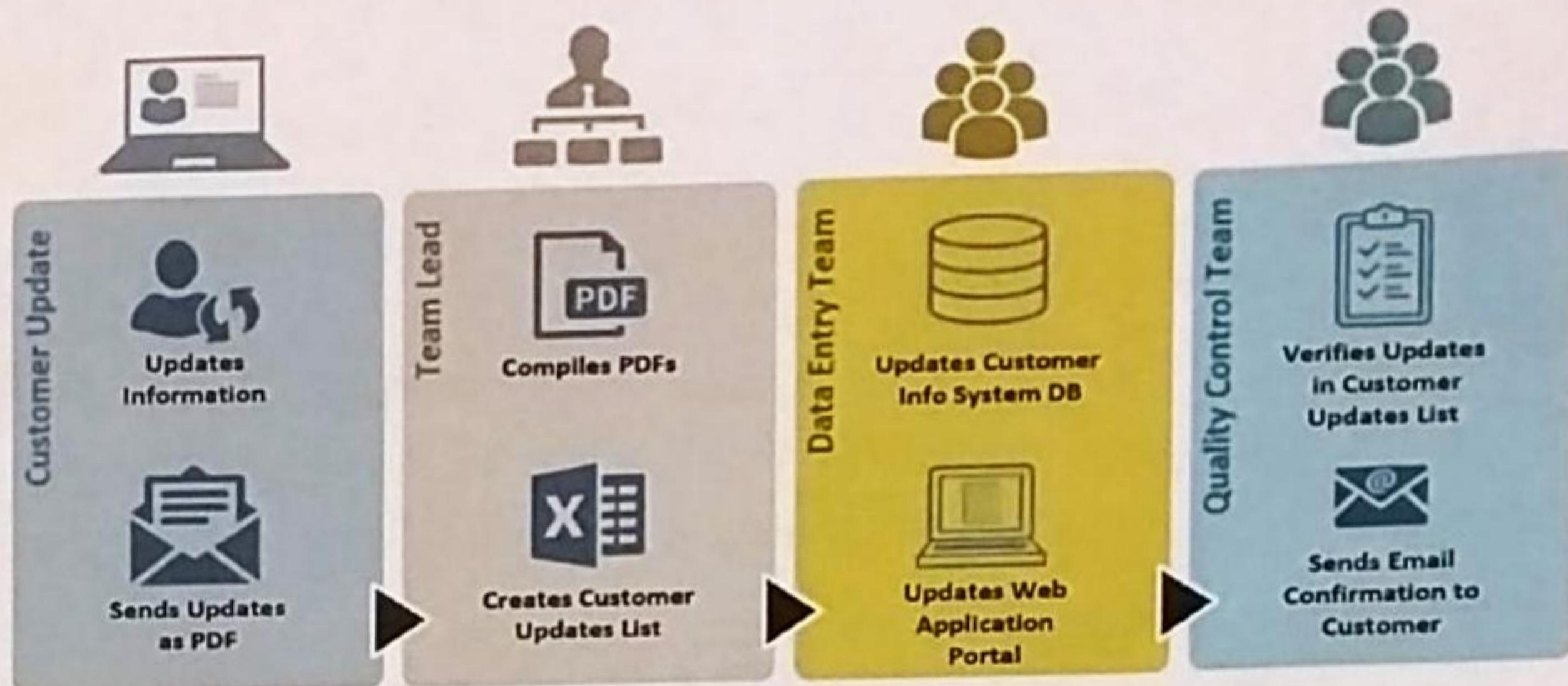


Figure 1: Current State Process Flow

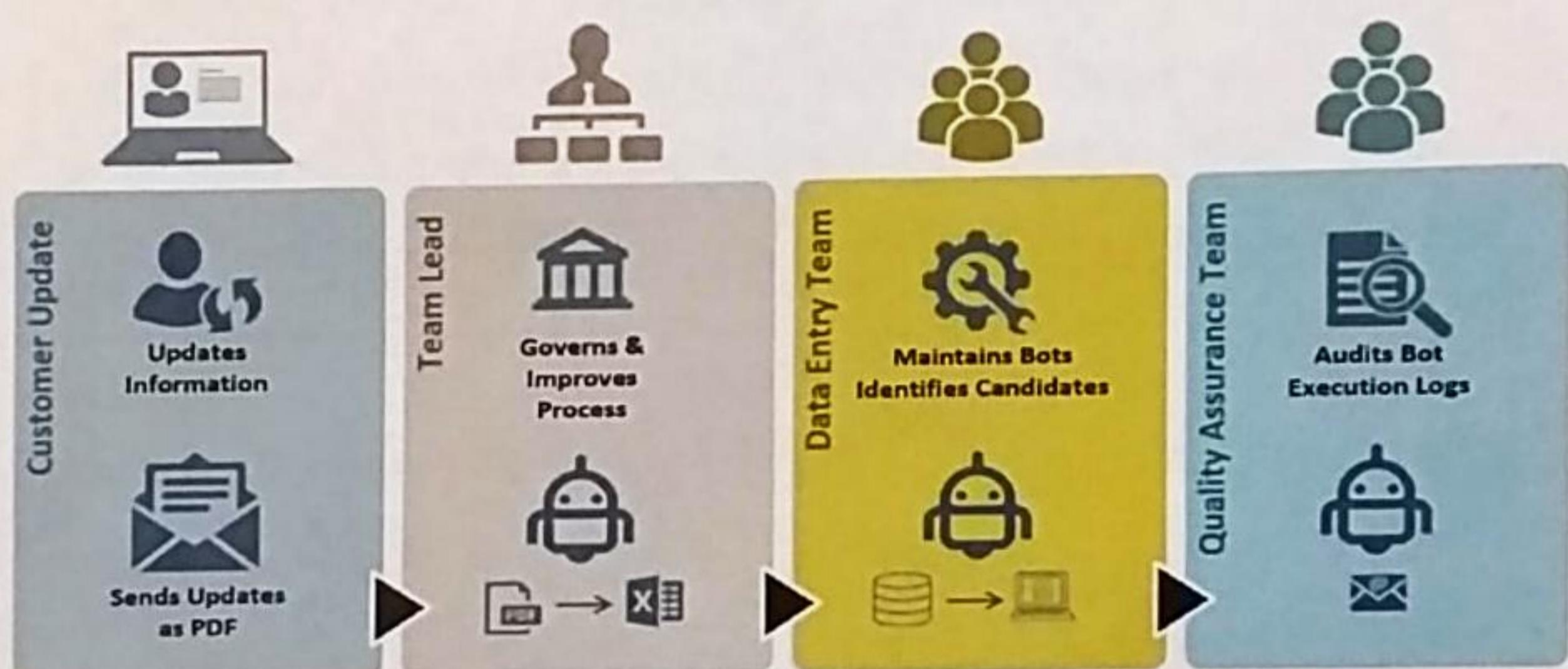


Figure 2: Future State Process Flow

THE PRESENTATION

- You need to check in your solution (code, test/training data, and any other technical artifacts you created) to the GitHub repository provided to your team before 10 PM.

- You will create a slide deck to be presented along with demonstration of your solution/application to the judges.
- You will have 5 minutes for demonstration of your application, followed by Q & A with the judges.

THE EVALUATION

- Your solution will be evaluated based on the below criteria.
- Requirement coverage.
- Elegance of product.
- Product demo and presentation.
- Scalability and simplicity of the code/solution.
- Team contribution.

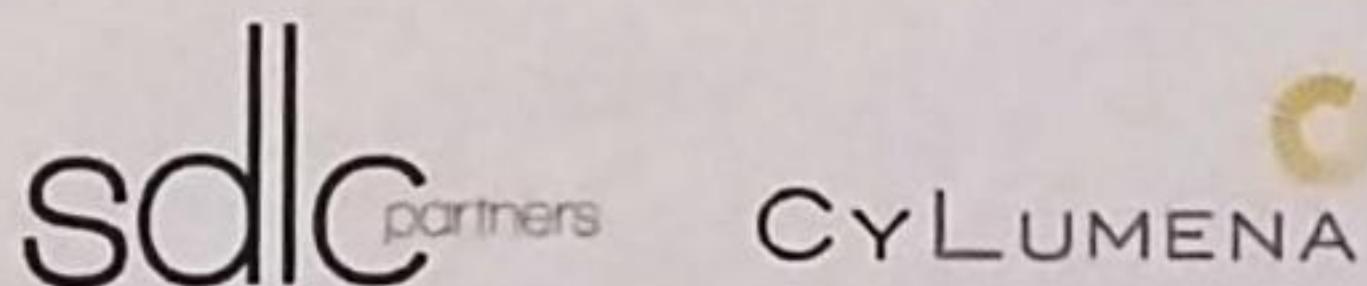
Note: Judges will have final discretion over the evaluation and grading of your solution.

There is a bonus if you go above and beyond to WOW our judges with a unique twist.

OTHER DETAILS

If you have any other questions please refer to the kit provided to you or ask one of our Hackathon volunteers.

All the Best!



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