

# Large-volume, Template-driven Document Creation System

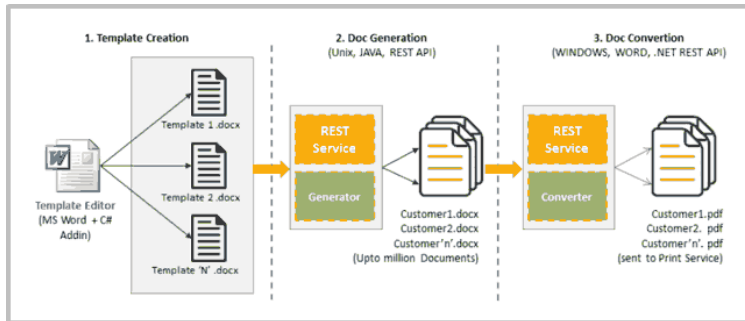
The client provides innovation compliance focused solutions to the mortgage and real estate marketplaces. It includes vendor and order management, commercial and residential real estate servicing, document management, invoice presentment and payments to the real estate, mortgage and consumer debt industries.

The client wanted OFS to do the following:

- Replicate the existing solution (preparing billing statements) in Open Office and JOD reports in Microsoft Word
- Design templates in MS Word and generate data-embedded documents using the designed templates

## Business Benefits:

- Better optimized workflow and logic to improve performance demonstrated in the provided AWS instances
- Developed an efficient option for converting millions of files every day



## Key Highlights

- **Template Composer:** We built a template engine that sits as a plug-in within MS Word that has options to compose (visually or otherwise) templates in FreeMarker template language. The template thus created would be saved in DOCX format.
- **Syntax-checking and Lexical Parsing:** Built a static analysis tool that is part of the MS Word plug-in to help check for sanity of the template script
- **Document Generation:** Created a service layer - The service listens to incoming REST calls with JSON data, and uses the pre-created templates to generate a document.
- Integrated the server logic without affecting existing flow
- The application provides an MS Word add-in with rich designer features and minimizes error flows with real-time feedback.
- Enabled to retain the formatting done in MS Word, which was getting lost in previous Open Office conversion

## Technologies

- Amazon Web Services, .Net 4.5 and FreeMarker 2.3.22