

Automating Birla Corporation's Tax Process within a week.



Executive Summary

Founded in 1919, the M.P. Birla Group is amongst the largest industrial houses in India. The company leads the scene in the cement industry. with strong presence in northern, central, and eastern India. Considered one of the leaders in cable industry, the M.P. Birla Group has joint ventures with global giants like Furukawa.

Birla Corporation wanted to build a tax portal in a very short time to deduct TDS/TCS from the customers. The benefits of the portal were that it automated their process and were able to accomplish what they wanted in a much shorter time.

Customer Challenge

In the 3rd week of June 2021, the Indian government had declared a new law where the companies had to deduct TDS/TCS from the customers before the 30th of June. This meant companies had a very short amount of time to incorporate this law. AeonX had only one week in hand to create an online TDS/TCS declaration solution for MP Birla Tax team.

Since it was a law released by the Indian Government, the implications would have been significant if the challenges were not addressed.

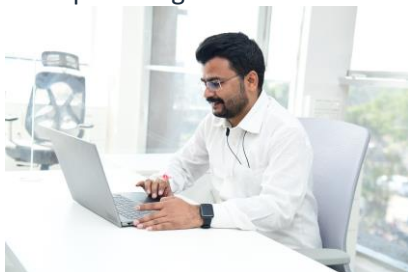
Why AWS?

Since there was also one week to develop this solution from scratch, the services that AWS offered was ideal to help AeonX complete the project. Along with that, AWS being the most secure cloud platform made it a sensible choice. Since very sensitive information is being handled, security was one of the top priorities.

Why did Birla Corporation choose AeonX?

AeonX Digital are an advanced tier partner and have been in this industry since 7 years. Birla Corporation approached several partners although AeonX was the only one who could complete it within a week.

Birla Corporation also liked the plan AeonX had come up with and the features we were providing.



About Birla Corporation



The M.P. Birla Group's flagship company is Birla Corporation Limited. In 2021–2022, the company generated a total revenue of Rs 6,785.45 crores and a net profit of Rs 398.59 crores. Although their primary line of work is the production of cement, they also have a sizable presence in the jute goods sector.

AeonX Solution

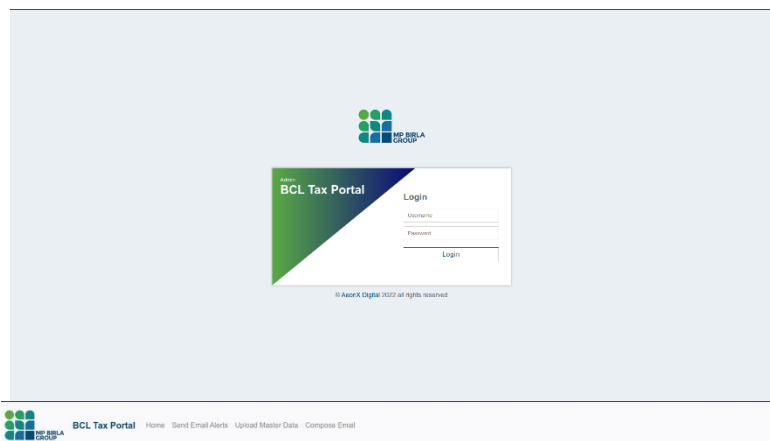
The team got right into it and understood the exact requirements of MP Birla team. We proposed a complete serverless architecture by using the following AWS services:



These services helped us ensure that we could deliver the tax portal solution in 1 week. The Tax Portal is hosted on a S3 static site, and we added Lambda Function (Node JS) as the backend of the portal. DynamoDB was used to store all the user inputs. The portals focus is to get a self-declaration from the customer regarding his tax status. The admin portal access allows Birla corporation team to upload customer information using an excel file. Post the data import, they can send bulk emails. The customer emails are triggered with a unique URL of the declaration form. The form contains prefilled data of the customer hence to ensure the process is secure, we added a mail-based OTP system. Once the customer submits the form, the admin is notified by mail.

Birla Corporation gets status from the admin panel and can upload any customers details manually from there. They can also approve/reject customers based on the submission. There were issues faced when triggering the emails to customers due to inappropriate emails. We resolved that by data cleansing to maintain a good repo on SES dashboard.

The employees are currently storing the data of their suppliers and customers related to TDC/TCS declarations for every financial year.



Customer Dashboard

Total Sent Mail: [icon] Total Pending Mail: [icon] Form Submitted: [icon] Form Pending: [icon]

Approve All Approve Selected Search: [input]

Customer Code	Customer Name	GST	PAN	TAN	Status	Action
[icon]						[icon] [icon]
[icon]						[icon] [icon]
[icon]						[icon] [icon]
[icon]						[icon] [icon]
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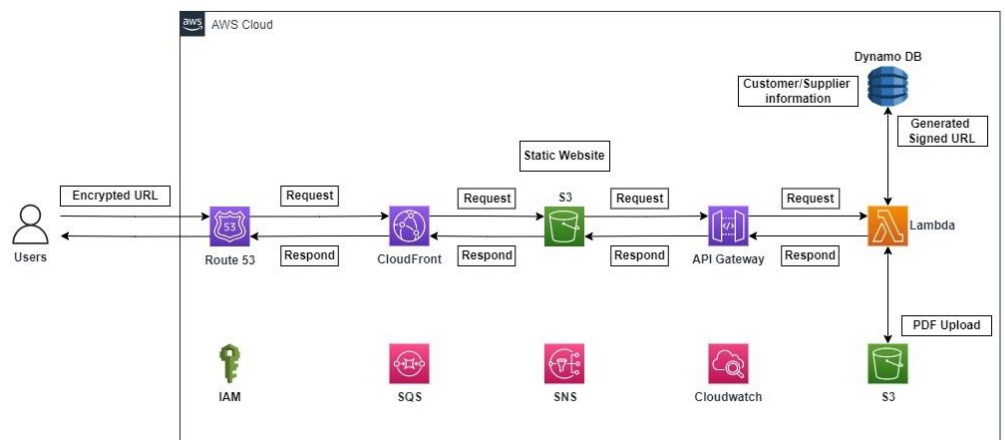
Benefits of the Tax Portal

Now Birla Corporation can monitor customer response, read the customer response, send bulk emails and approve/reject customers for their internal purpose. Birla Corporation portal is running smoothly without taking care of servers. The application can scale based on user traffic.

Impact on TCO

Yes, using serverless technology saved cost a lot, saved manpower cost and saved server configuration costs. If the same application runs in traditional server-based infrastructure, we would have had to deploy 2 different servers for Database management and Applications. We would also have to maintain frequently like OS updates, security patches, and more. Cost of owning this infrastructure is high. Using serverless technology like Lambda, S3 and DynamoDB can save costs.

System Architecture:



About AeonX Digital Solutions

AeonX Digital Solutions is a niche business consulting company providing application development, management services and education/training services. We also provide business transformation, and cloud & DevOps consultation. Our aim is to help companies grow, market, and sell by providing valuable technical support.

