# escala
24x7

# Ensuring Instant & Secure Conversions from SOAP to REST with APIMatic
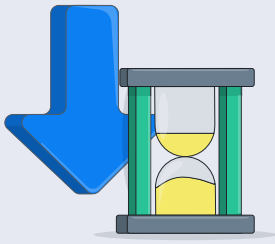
| **Industry** | **Headquarters** |
|---|---|
| Cloud Computing, Information Services | Florida, USA |

**Conversion time reduced from days to seconds**

**Secure conversions ensured with an on-premise solution**

**Boost in overall team performance**

Escala 24x7 is a Cloud Consulting company dedicated to designing, building, and managing infrastructure projects for major organizations in Latin America, based on AWS solutions and methodology. As an AWS Advanced Partner focused on security engineering, Escala 24x7 helps organizations from all around the world to comply with strict compliance standards and helps them transform into next-gen, hyper-scale SaaS companies.

To help with this transformation, Escala 24x7 converts complex WSDL/WADL definitions of any Web Service into the OpenAPI specification format. This helps convert legacy definitions into REST APIs that can be deployed using the AWS API Gateway.

# The Need of The Hour:
# Quick, Secure Conversion from SOAP to REST

With an exponential rise in mobile and web applications, REST APIs are becoming increasingly dominant. This is because of the flexibility REST provides that allows for quick changes in business requirements. Hence, many organizations offering SOAP services are now converting to the less complex and fast-paced REST model for more adaptability and higher performance.

However, converting complex API definitions from scratch can be taxing on time and resources. This is where Escala 24x7 realized that to help their customers successfully publish SOAP Web Services as REST APIs, they would need a quicker solution than having to convert the WSDL/WADL definitions to OpenAPI format manually.

*"The conversion from WSDL/WADL to OpenAPI was cumbersome, requiring an extra effort to analyze the definition manually for every SOAP Service and build the OpenAPI specification from scratch in each case."*

- Jose Vasquez, Cloud Service Delivery Lead at Escala 24x7

Apart from saving on the HR costs of converting/rewriting API definitions from scratch, Escala 24x7 was also looking to increase flexibility in terms of the tools supported and used for API definitions.

Another major concern when dealing with SOAP services is ensuring the security that SOAP offers. Since these WSDL/WADL files rely heavily on security, companies are not eager to make their API definitions publically accessible. This means that Escala 24x7 needed to respect this contract while taking on this challenge.

## Challenges

- Additional resource and time overhead for conversions
- Security concerns with SOAP services
- Need for flexibility of supported tools

## Secure Conversion in Seconds with API Transformer On-Premise

To ensure secure and quick conversion of WSDL/WADL to OpenAPI, Escala 24x7 eventually found their solution in APIMatic's API Transformer, which is also offered as an on-premise solution. The API Transformer is widely used to convert API specification formats for definitions files among more than 10 formats, including OpenAPI, RAML, API Blueprint, Postman, WSDL, WADL, and more.

Escala 24x7 has been able to streamline their process as the API Transformer takes away the extra effort of conversion once they receive a WSDL/WADL definition that needs to be published as a REST API with an OpenAPI specification.

Due to their secure nature, the WSDL and WADL definitions Escala 24x7 receives are private and contain complex XSD elements. This is why using APIMatic's On-Premise solution helped them securely convert the definitions to OpenAPI format within seconds in their own environment.

*"Since the WSDL/WADL definition is accessible privately and has many and complex XSD definitions, we use APIMatic's API Transformer OnPrem to manually convert this definition to a full and usable OpenAPI specification in a secure way."*
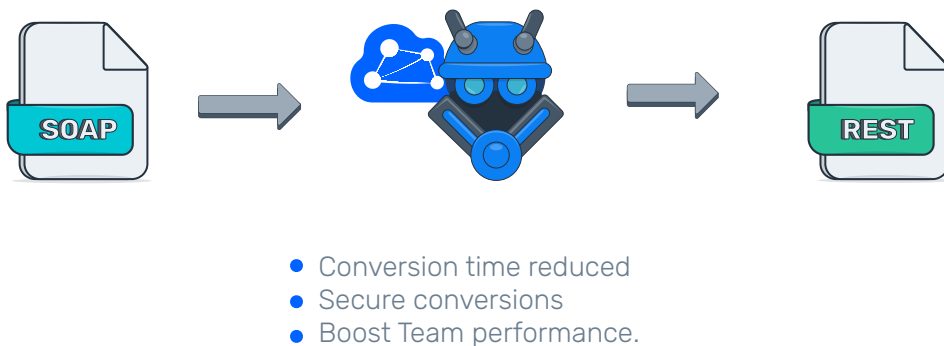
*- Jose Vasquez, Cloud Service Delivery Lead at Escala 24x7*

Once the SOAP service definition is converted to OpenAPI specification, it is post-processed in order to be used for deploying an API using AWS API Gateway. It is then included in the CI/CD pipeline along with the code and configuration needed for the integration with the backend.

**Before**



- Additional  Time and Resources
- Security Concerns
- Flexiblity Required`

**After**



- Conversion time reduced
- Secure conversions
- Boost Team performance.

## Impact

- Conversion time reduced from days to seconds.

- Secure conversions ensured with an on-premise solution.

- Boost in overall team performance.

With APIMatic's Transformer, Escala 24x7 has been able to convert more than 30 WSDL and WADL complex definitions to OpenAPI format with time for each conversion drastically reducing from days to just a few seconds.

Keeping in view the security aspect of the conversions, using APIMatic's On-Prem solution allowed offline conversions for all privately accessible files, establishing trust with their clients.

*"For our specific use case, we found with APIMatic's API Transformer On-Prem a great solution, and we received great support and collaboration from the team, which allowed us to get the work done."*

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- Jose Vasquez, Cloud Service Delivery Lead at Escala 24x7

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Moreover, Escala 24x7 also discovered that working with APIMatic positively impacted the performance of their development, customer success, and technical writing teams, as the manual labor of converting complex WSDL/WADL definitions was handled by APIMatic and allowed their teams to focus on building and integrating their API.

*"The conversion from a WSDL/WADL definition to an OpenAPI specification is solved in just a matter of seconds using API Transformer, that allows us to focus mainly on the integration part of the API, saving a significant amount of time during the development process."*

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- Jose Vasquez, Cloud Service Delivery Lead at Escala 24x7

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**APIMATIC**