



Applied AI
Intelligence Delivered



A Leading Automation Platform Built an API-based Integration Gateway with Applied AI Consulting's Expertise on the AWS Platform

With an Efficient & Seamless Integration solution, they could go live in weeks rather than months

"Applied AI Consulting team expertise in AWS services is amazing. The Integration gateway built by their team is a perfect solution we were looking forward to. I'm impressed with the team's knowledge, flexibility, and commitment to support as we grow on AWS."

-VP of technology, Leading Automation Provider

About **client**


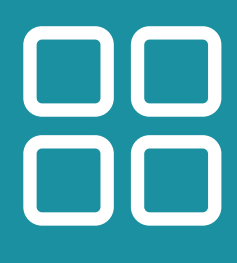

A Leading Enterprise Automation Provider

Our client is an innovative solution provider for Enterprise automation. That includes everything an organization needs to execute its Digital Transformation, Process Improvement, and Growth strategies.

It solves companies' most challenging problems, including access to information, approval processes, high transaction volumes, and complex compliance issues.

With integrated payment solutions and process automation, they are digitally revolutionizing enterprises.

Challenges

-  The client provides an integrated payment solution to their customers. And for every individual client, they were building and maintaining point-to-point integrations/direct integration.
-  They had to spend ~8 weeks to 12 weeks for 3rd Party ERPs and Payment Integration with the Process & Workflow automation platform.
-  That was limiting their potential to serve the number of clients at a time.



Turning to **Applied AI Consulting** for Fast and Painless Integration

They needed someone with **deep experience in Integration projects and extensive knowledge of AWS services**. For that, they were looking for AWS partners having expertise with



Amazon API
Gateway Delivery



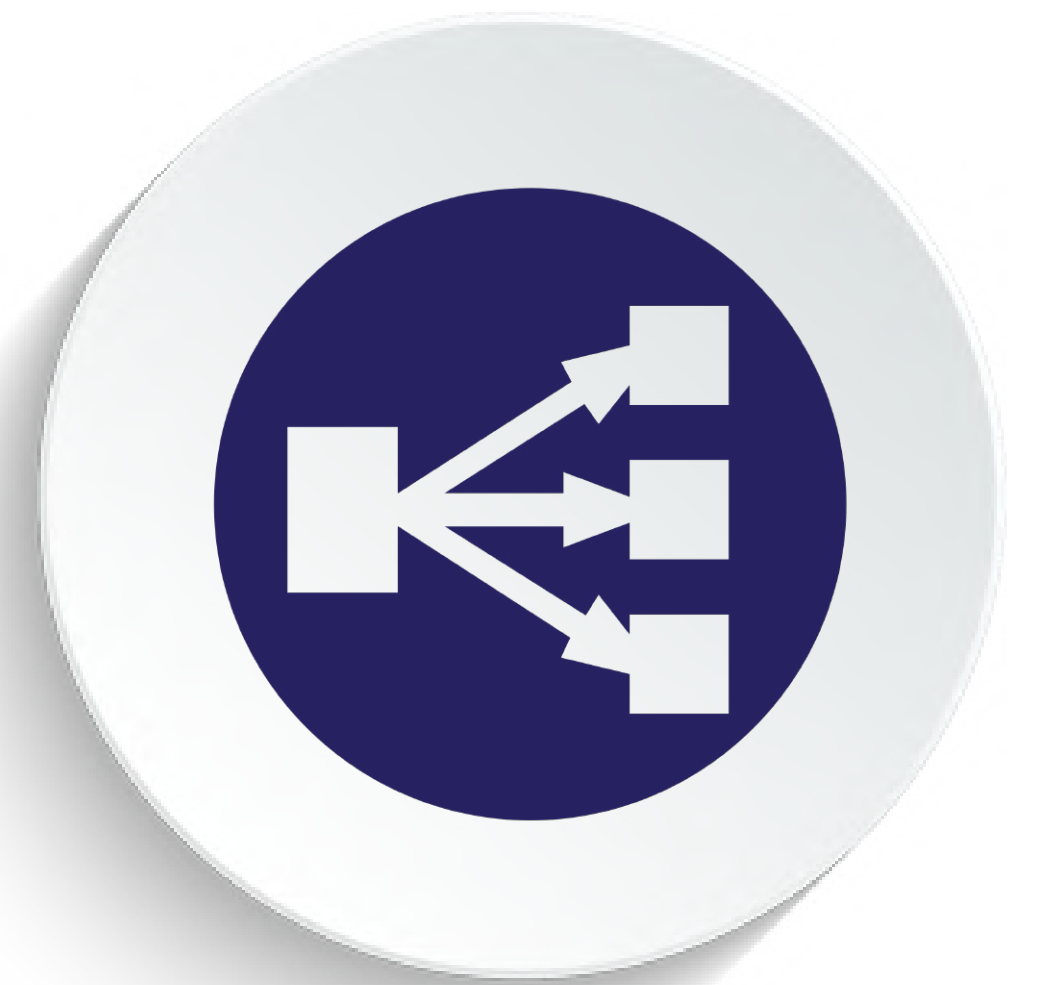
Amazon Cloud
Front Delivery



AWS Lambda
Delivery



AWS WAF
Delivery



AWS Networking
& Content Delivery

This is where **Applied AI Consulting** proves to be an ideal partner.

Because AAIC has been working with the client for the SaaSification of their existing application. And during the challenges discussion, the problem of the Professional Services team ended up building CUSTOM integration for every customer of theirs with their ERPs.

AAIC talked about its expertise in building Integration Hubs like Zapier.

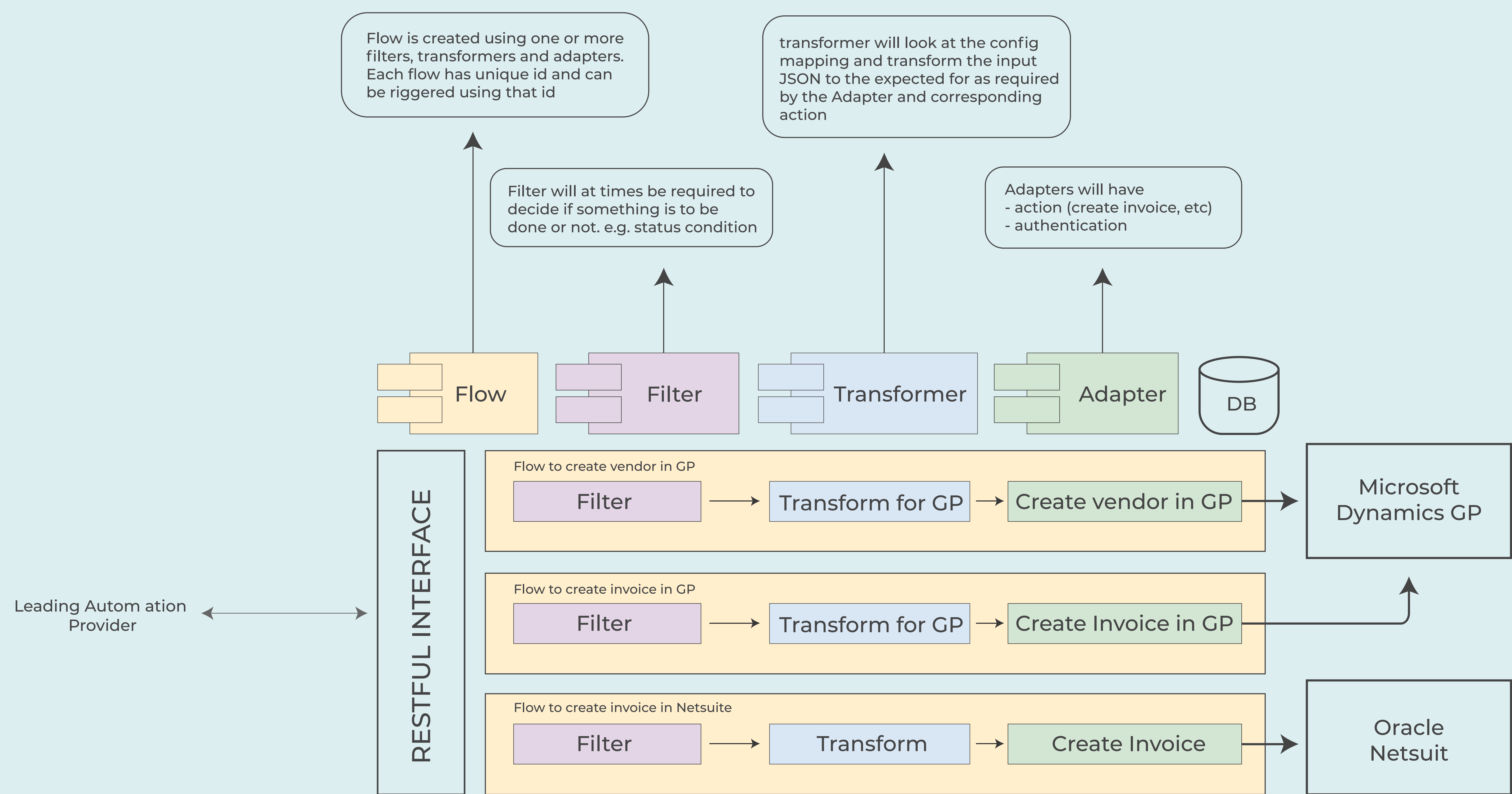
Additionally, Being an AWS advanced consulting partner, AAIC is more focused on producing results using the AWS tools and technologies.

How Applied AI Consulting builds API-based Integration Gateway Powered By AWS Services

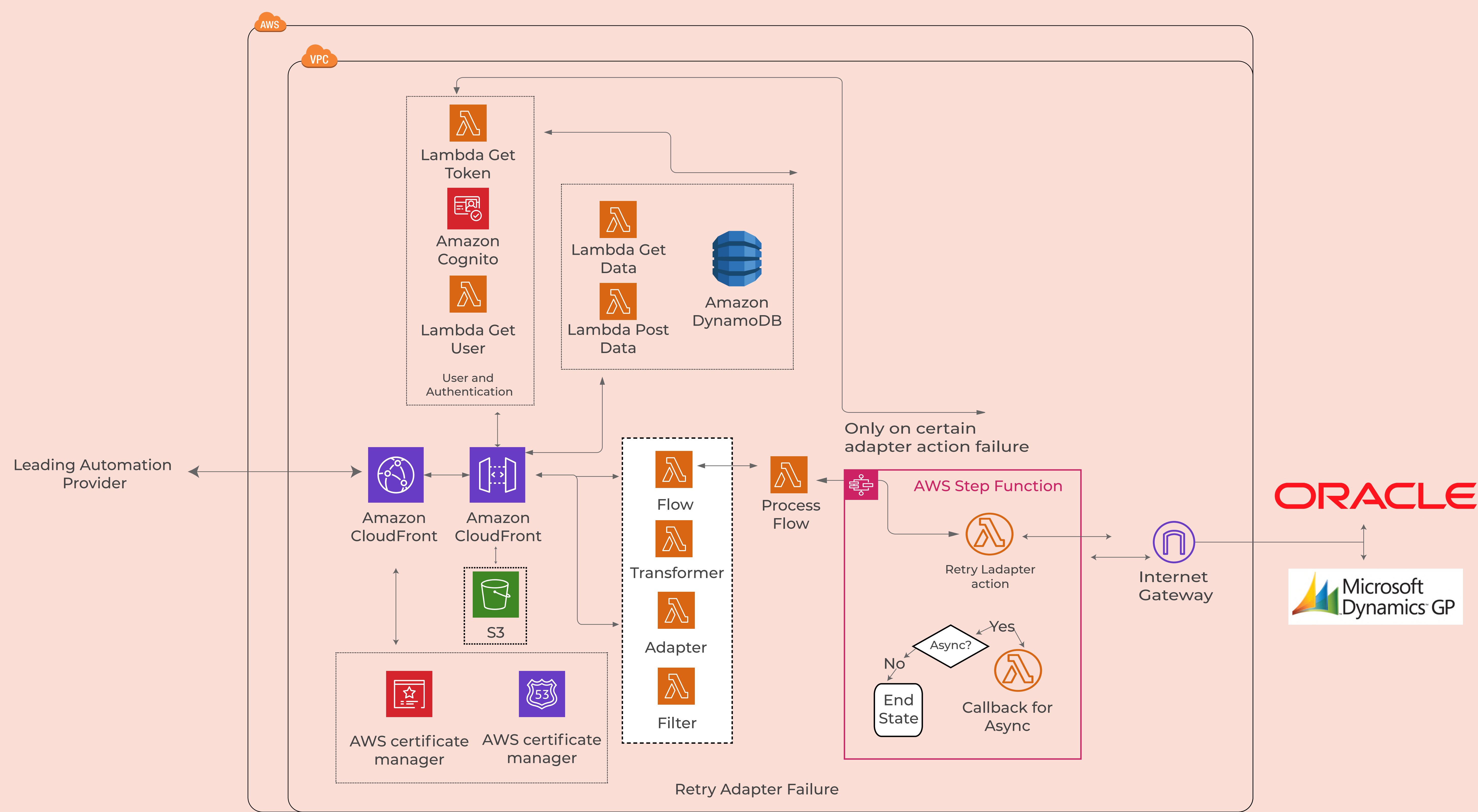
- AAIC built the Integration Gateway with 4 main components: Flow, Filter, Transformer, and Adopter.
- Using the component, inputs are taken from the client's platform and transformed via an adapter that further talks to multiple ERP systems such as Microsoft Dynamics GP, Oracle Netsuite, etc.
- For clarity, refer to the solution architecture and deployment diagram attached here.



Solution Architecture for Integration Gateway



Deployment Diagram for Integration Gateway



AWS Services Used as Part of the Solution

Amazon API Gateway, Amazon CloudFront, DynamoDB, AWS step functions, AWS Certificate Manager, Amazon Route 53, Amazon Cognito.

Benefits

- 01 It takes less than a week to go live for any of their customers.
- 02 They were able to onboard 80% more customers with varied ERPs.
- 03 It's a no-code low code reusable integration framework.
- 04 It abstracts the complexity and helps them integrate with existing ERP via a few clicks on UI.
- 05 Integration Gateway helped them boost the efficiency of their business with ease and flexibility.
- 06 30+ tasks automated.

Future Plans

- ☐ ☐ The AWS partner and the client continue to work together. Moving to other integration types, they are ready to work on SOAP-based and File-based integrations.
- ☐ ☐ As the client is including more and more automation points, they need to continue to improve on using properly sized resources, upgrade databases, etc, and AAIC helps there.

BOOK A MEETING WITH
OUR ARCHITECT



ABOUT AAIC

We are automation experts, with a majority(> 60%) of our workforce AWS-certified. We assist you in applying intelligence to the Cloud and DevOps, as our name suggests.

Our AWS certified experts create high-performing cloud apps by utilizing intelligent components and smart integrations to accelerate your digital transformation journey.

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DevOps
In-a-box

Fastrack your DevOps
implementation



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