AWS FOR IOT

Integrating Iridium Certus™ 9704 with AWS IoT Core

Rapid AWS IoT Integration: *From zero to live back-end in minutes, not months with Iridium CloudConnect and Amazon EventBridge*

Paco Gonzalez

Sr. Specialist Solutions Architect, IoT

aws

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Session Objectives

1. Basic architecture overview

2. Using AWS services to enable basic messaging functionality and AWS developer tools to automate infrastructure deployments

3. Integration walkthrough

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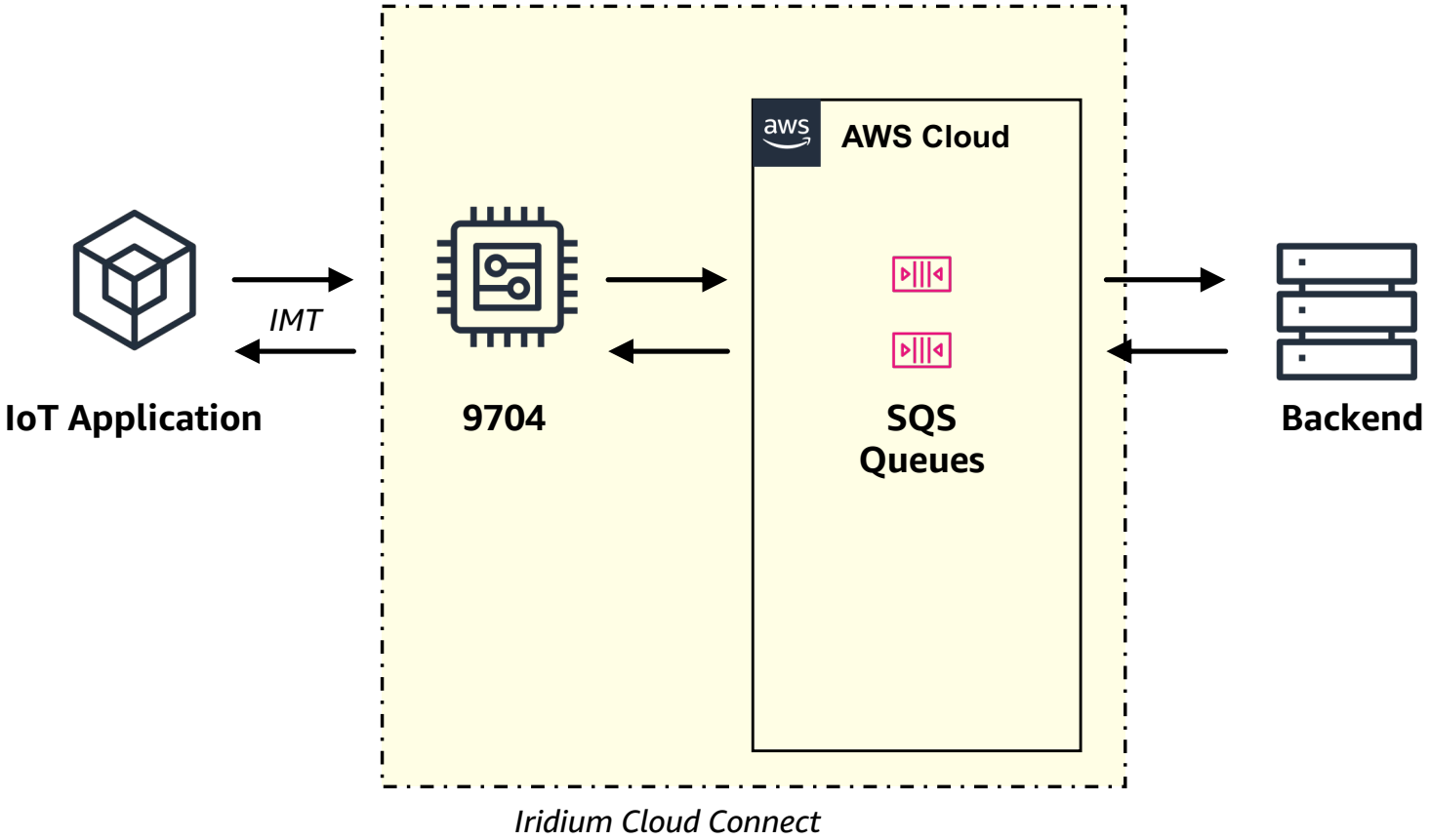
Architecture Overview



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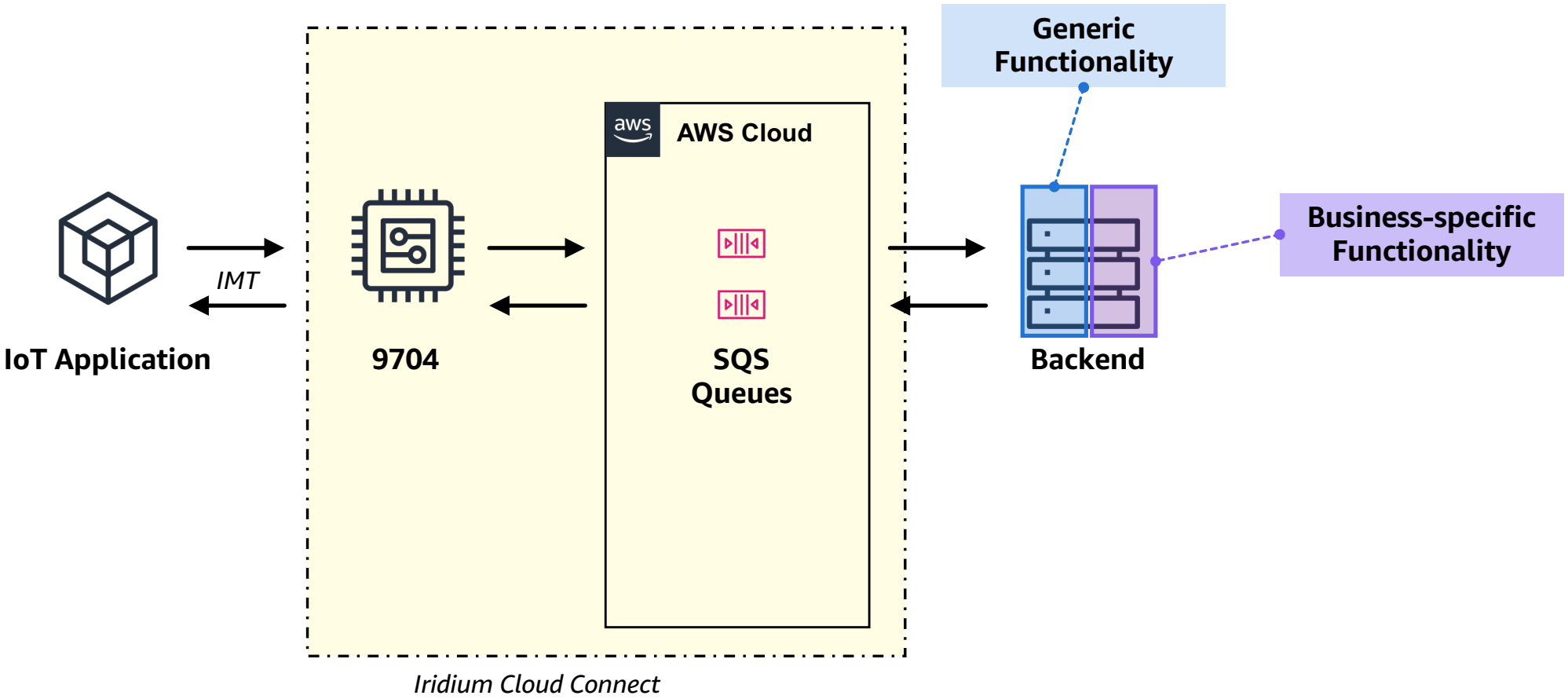
Architecture Overview



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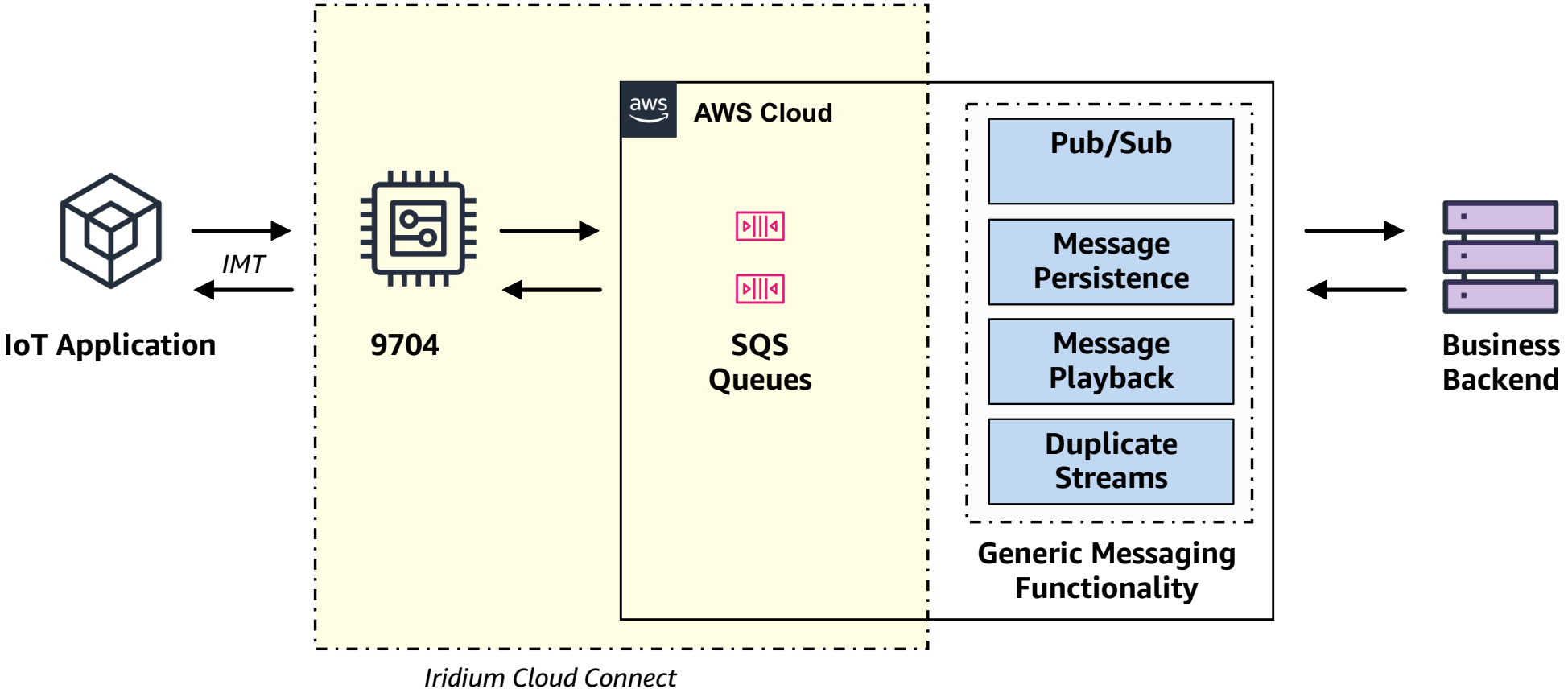

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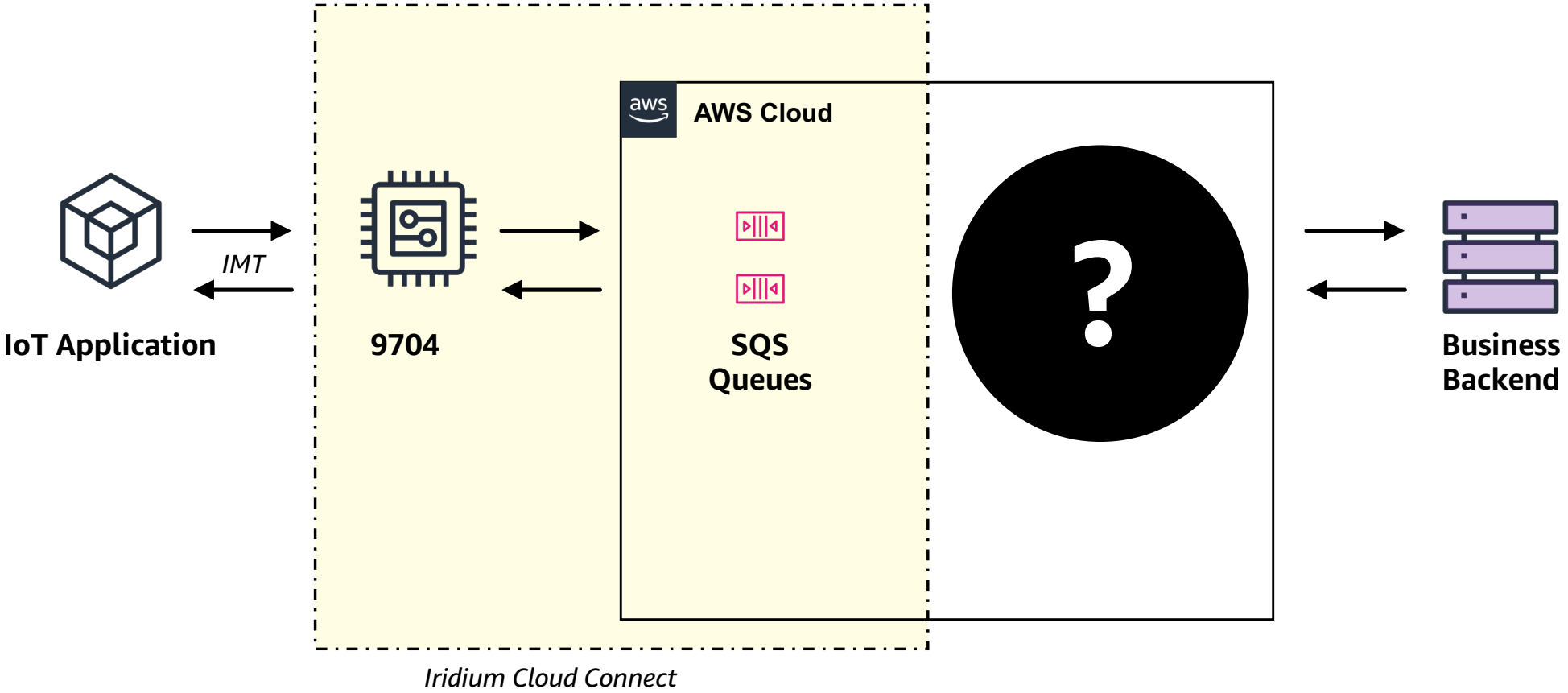

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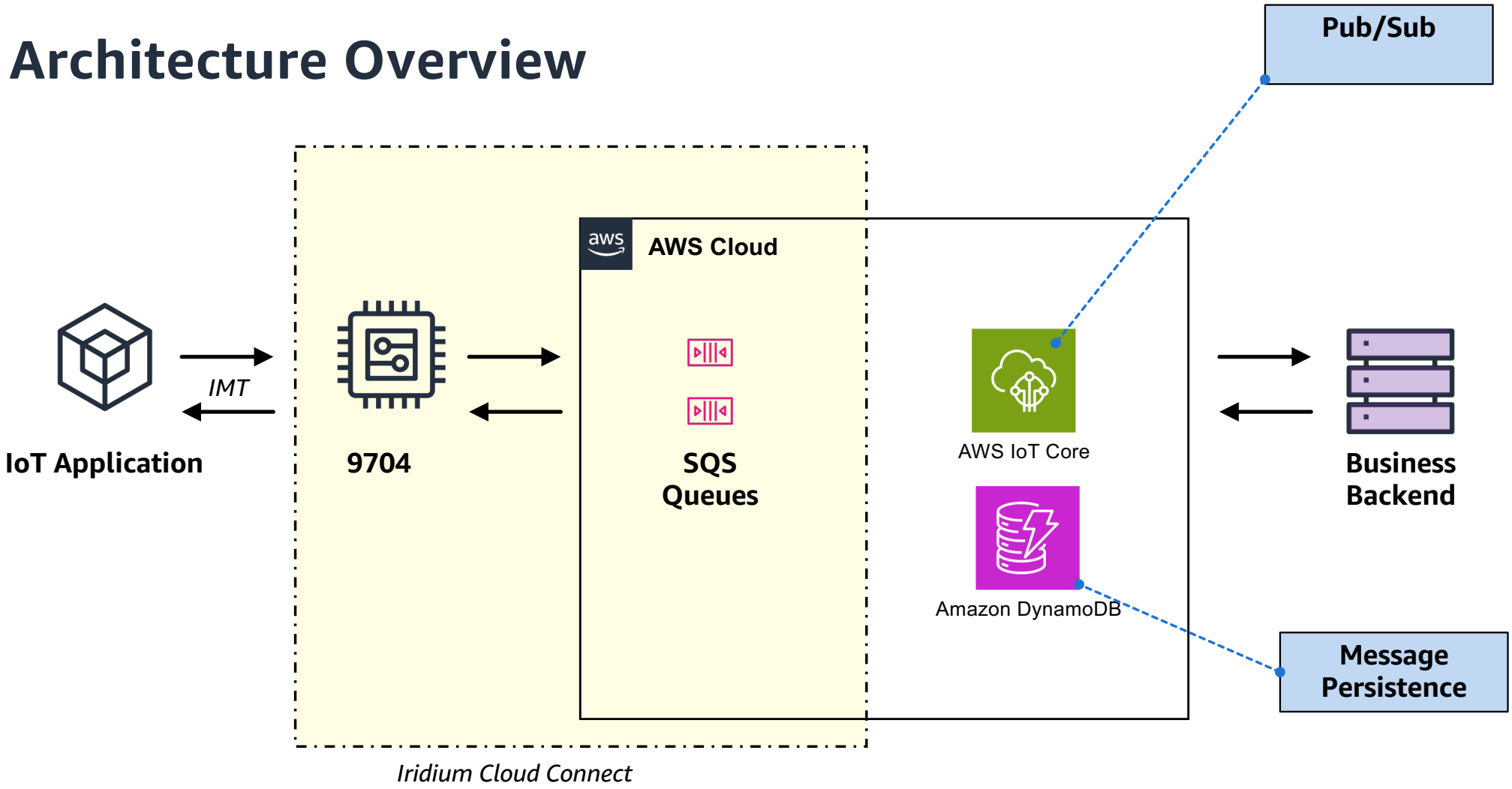

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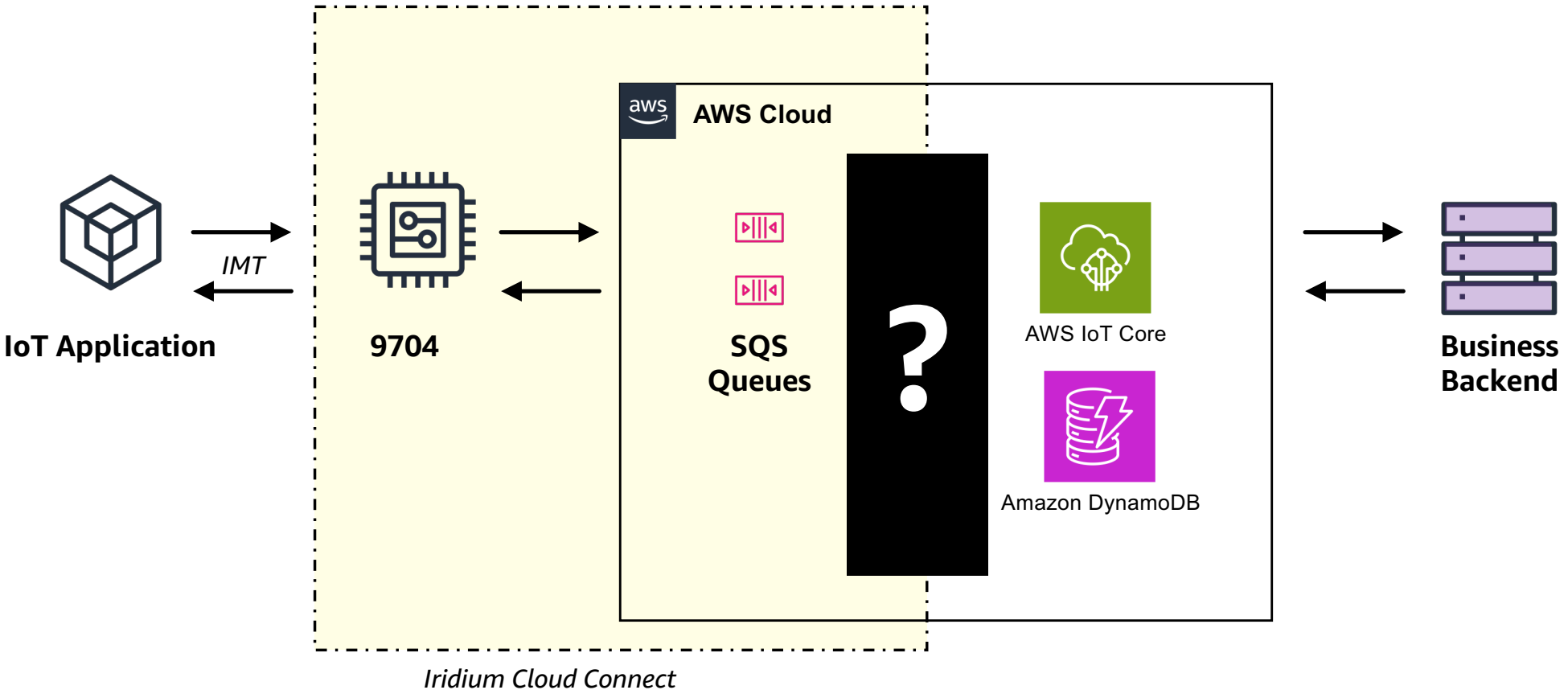

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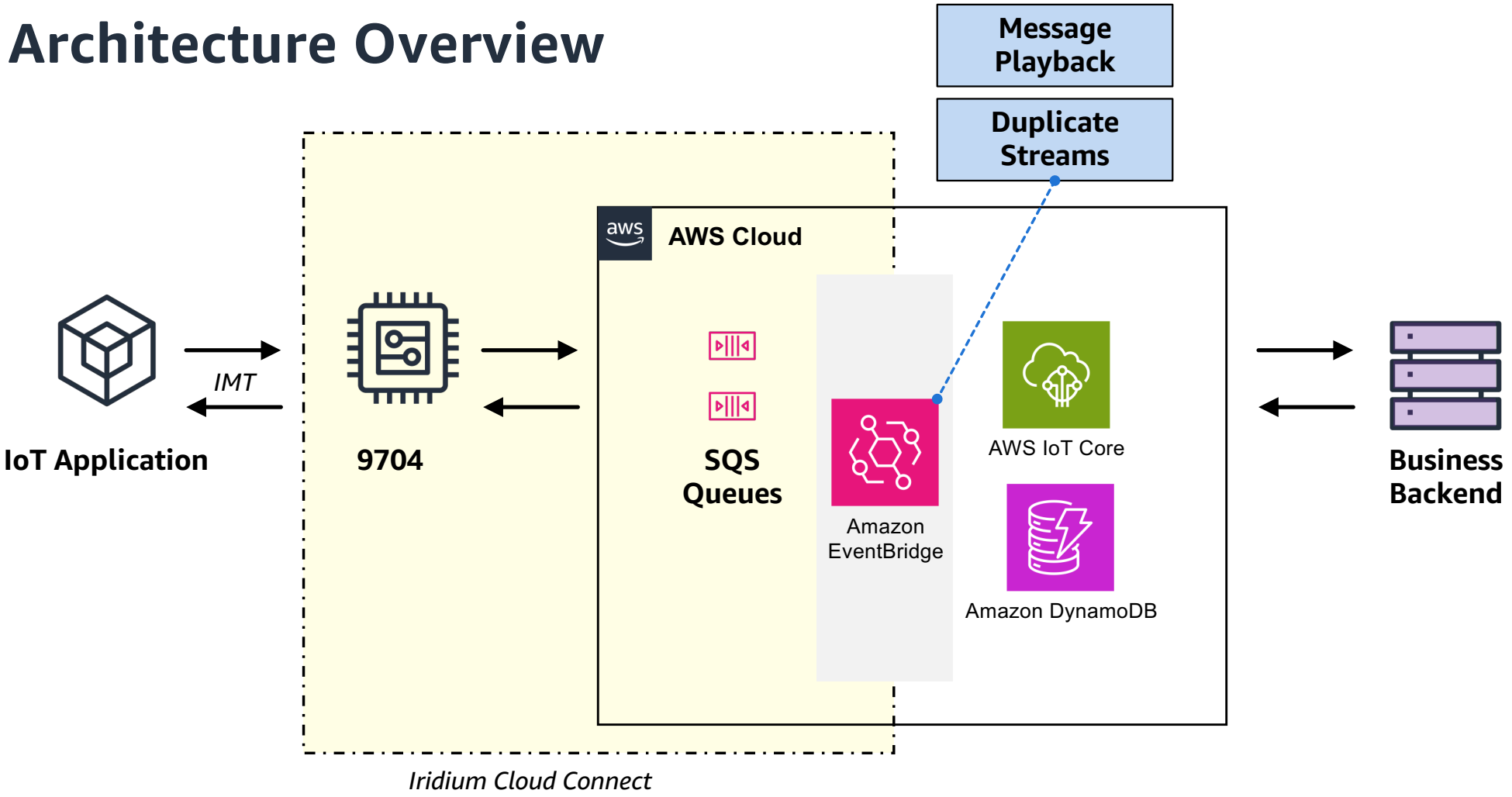

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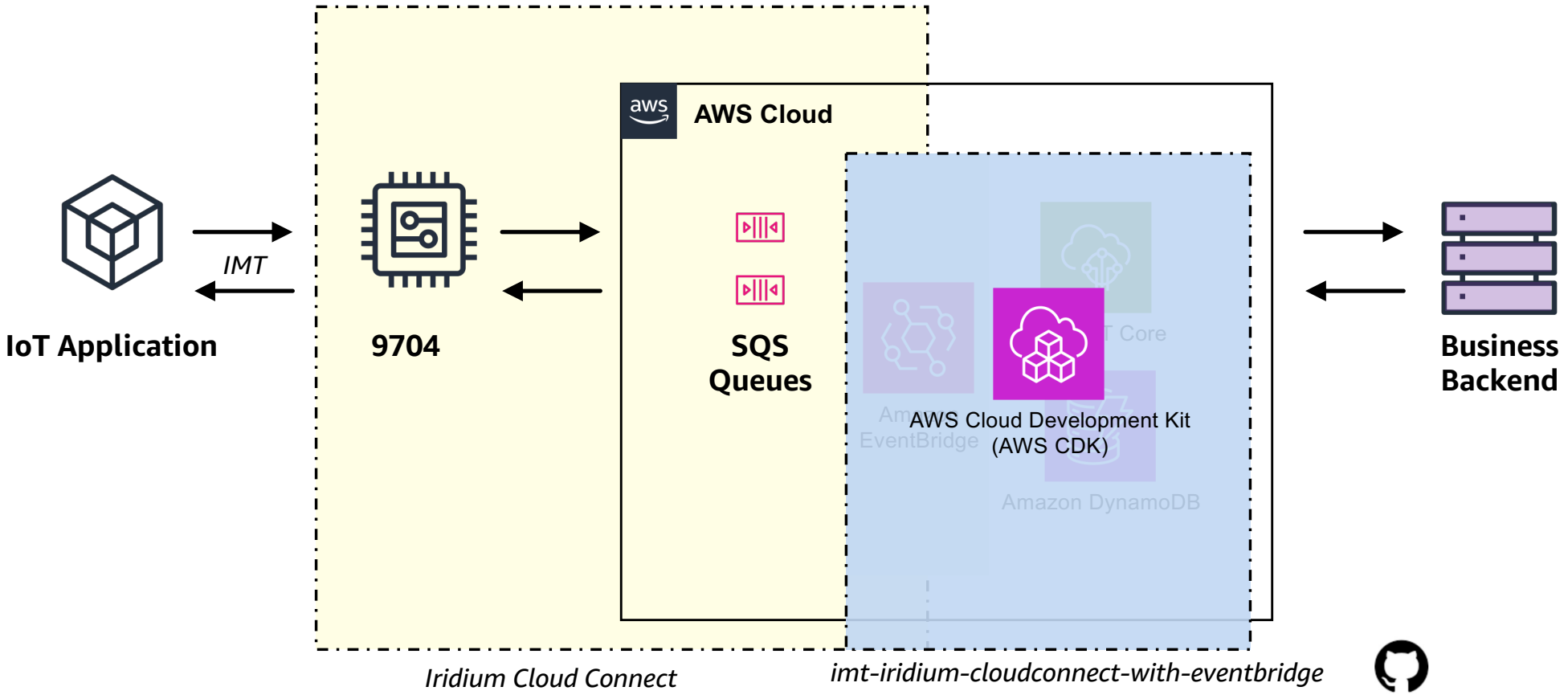

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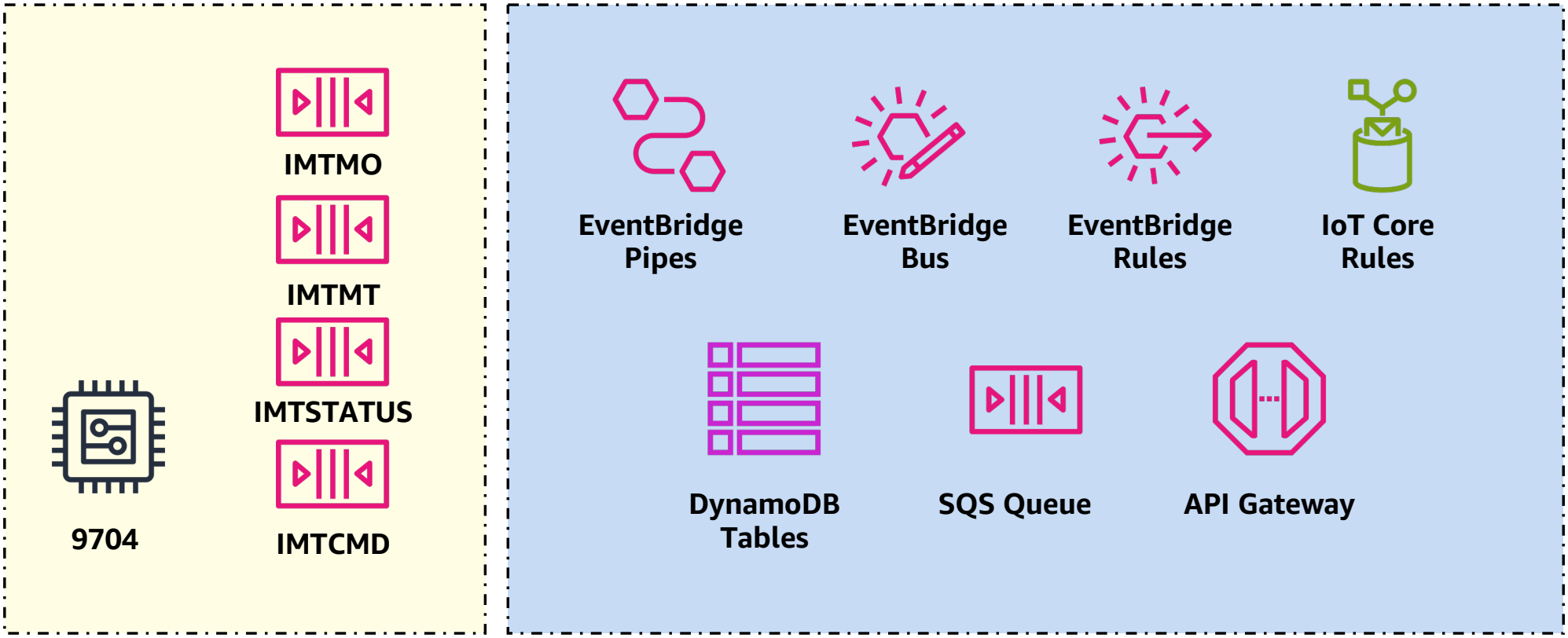
Setup & Configuration



Iridium Cloud Connect

imt-iridium-cloudconnect-with-eventbridge

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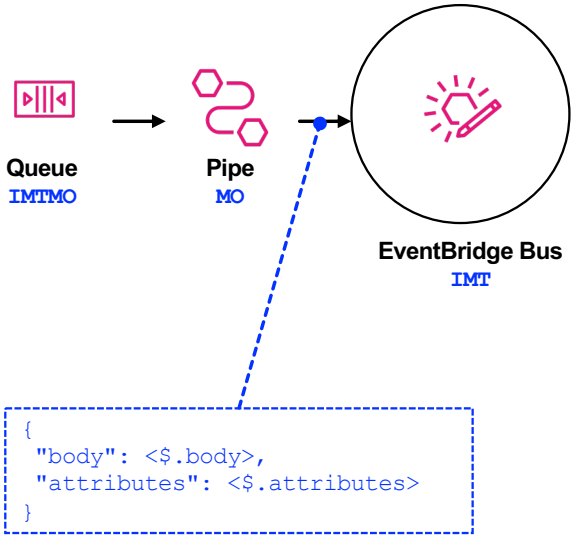
Amazon EventBridge Integration

MOBILE ORIGINATED (MO)



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Amazon EventBridge Integration

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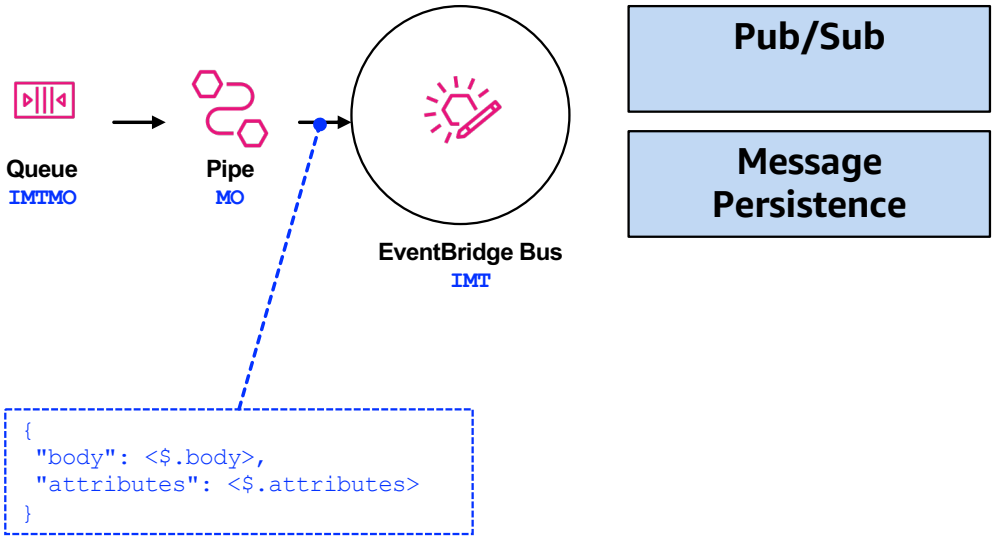

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AWS IoT Core Integration

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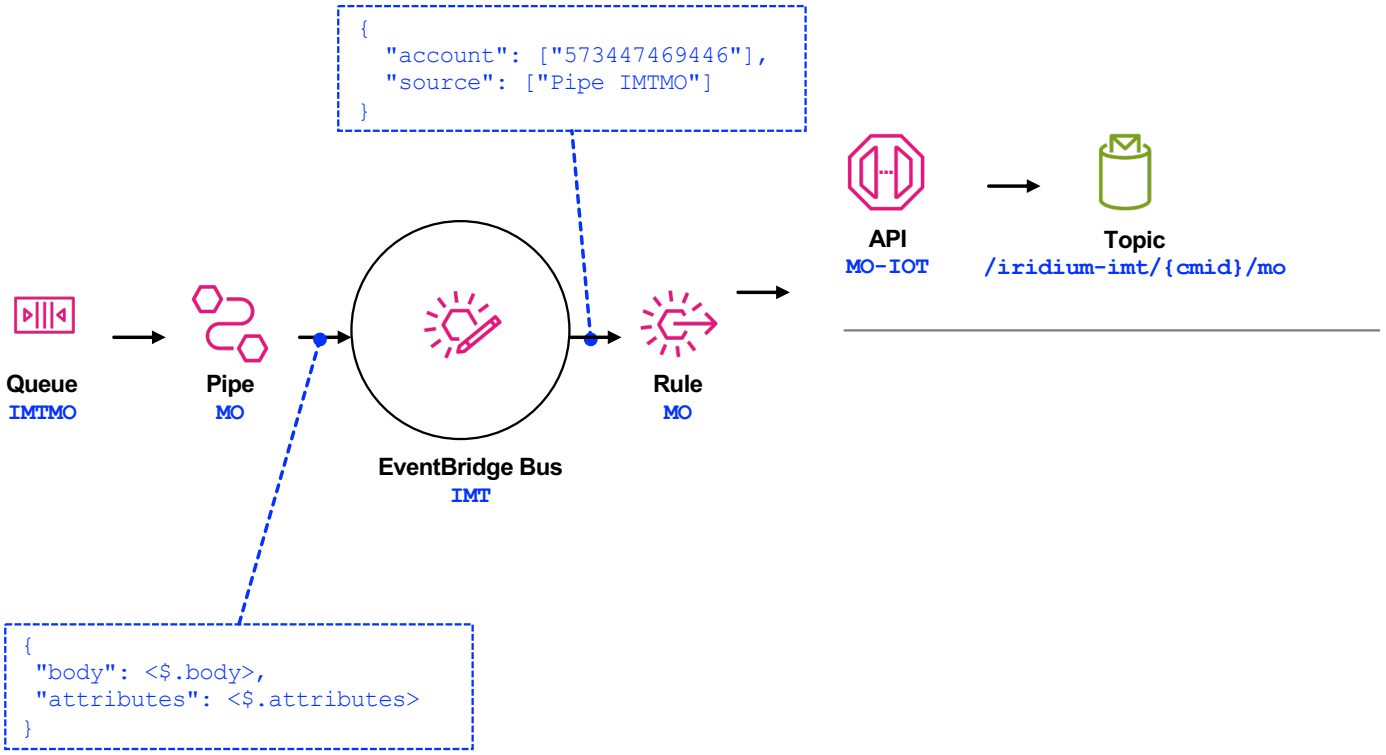

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Amazon DynamoDB Integration

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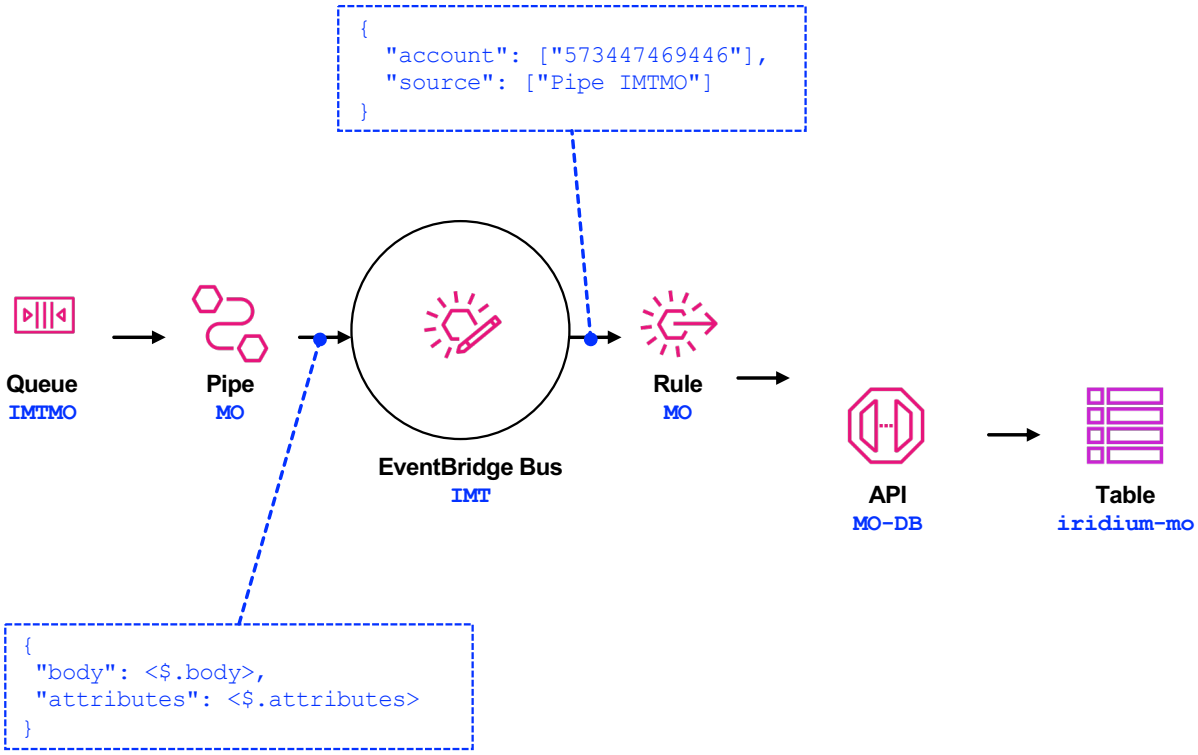

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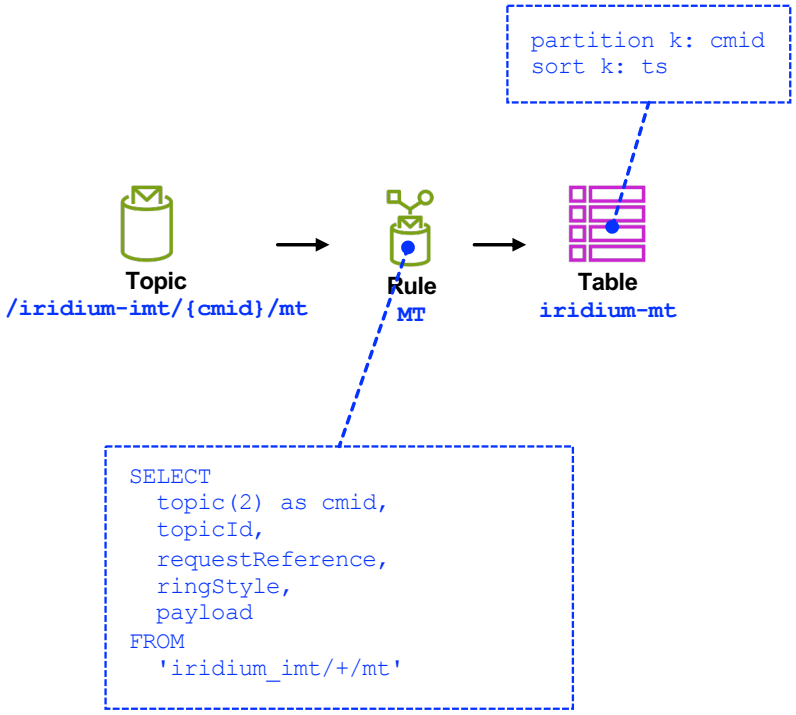
Full Integration

MOBILE TERMINATED (MT)



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Full Integration

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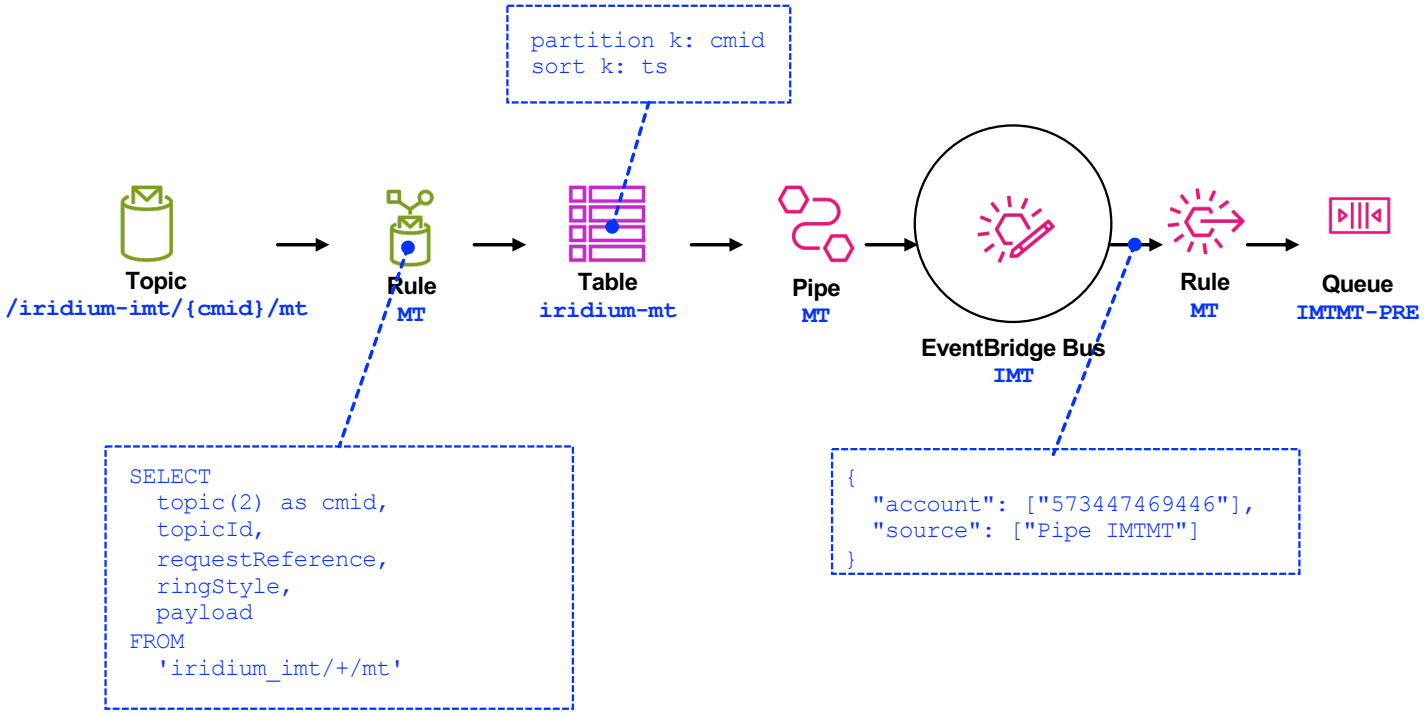

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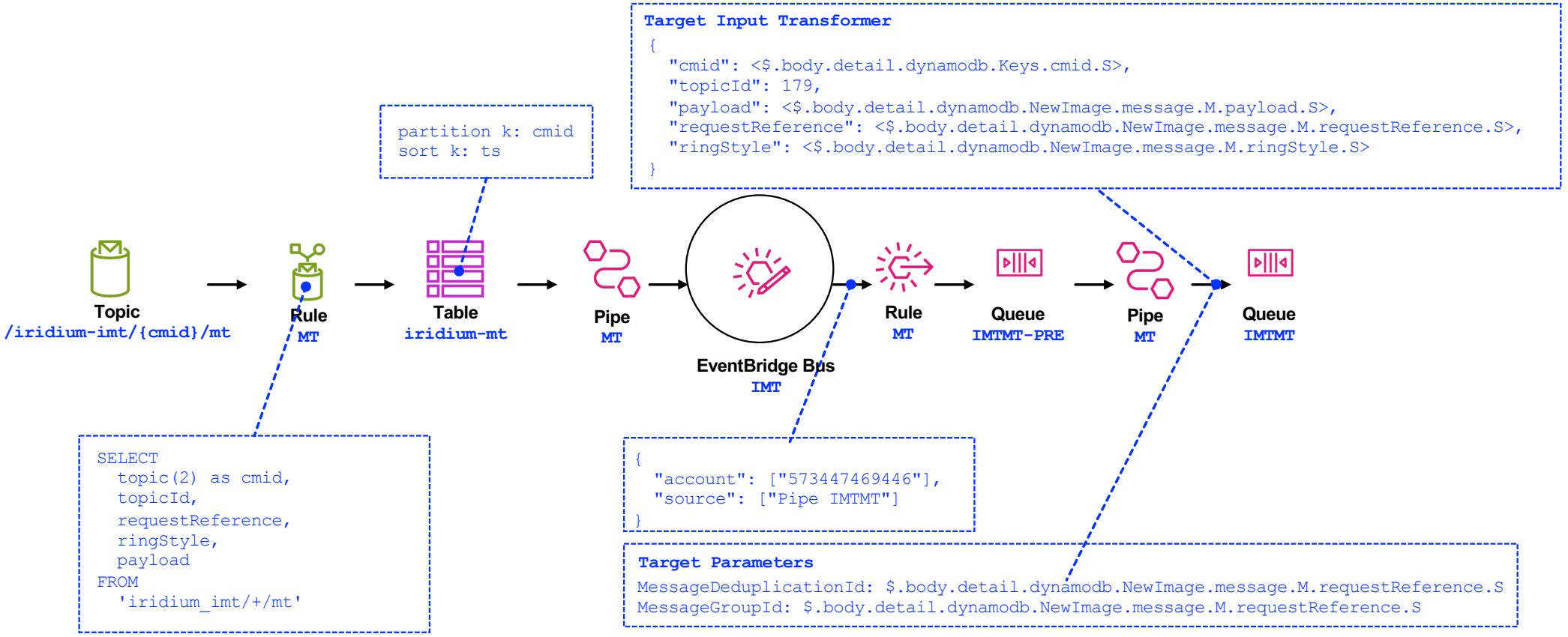

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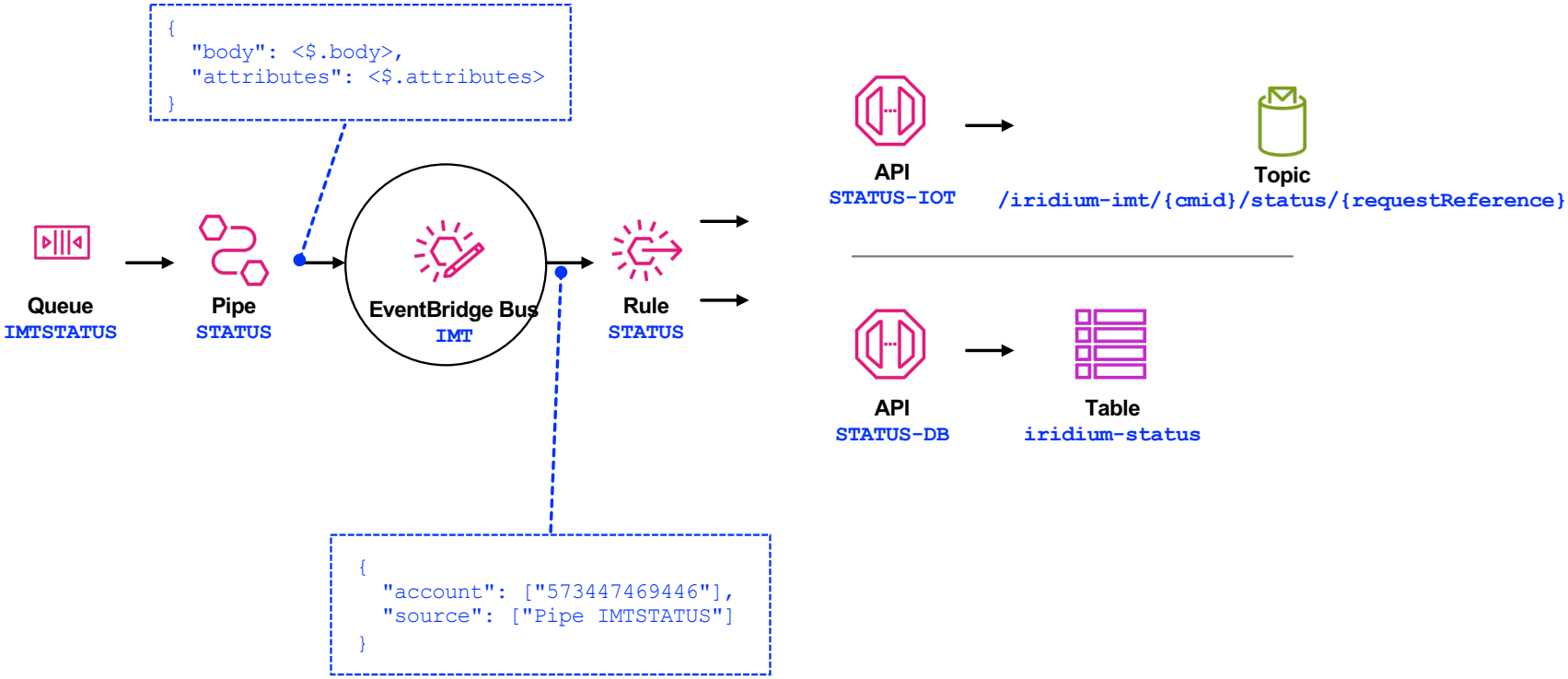
Full Integration

STATUS



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Wrap-up

Takeaways

- AWS Building blocks like **AWS IoT Core**, **Amazon DynamoDB** and **Amazon EventBridge** can be used together to run an easy to maintain generic backend suitable for IMT
- The **AWS Cloud Development Kit (CDK)** defines your cloud application resources using familiar programming languages
- **Amazon EventBridge** is a serverless event-bus service that enables IMT users to quickly and easily integrate applications, services and data across multiple environments

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Resources

- Iridium CloudConnect for IMT on AWS Guide
  https://github.com/aws-samples/aws-iot-iridium-satellite/tree/main/imt-getting-started
- Iridium Messaging Transport (IMT) CloudConnect With Amazon EventBridge
  https://github.com/aws-samples/aws-iot-iridium-satellite/tree/main/imt-iridium-cloudconnect-with-eventbridge

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Thank you!

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