



MCMA on Azure

Implementing the MCMA sample
environment using Azure resources



Overview

MCMA endeavors to provide libraries, patterns, and best practices for creating multi-cloud media workflows. As a part of this effort, the group has previously created a sample implementation using all AWS services and resources as a way of demonstrating these patterns and providing sample code using the framework.

Recently, the group completed work on a new sample built using the Microsoft Azure cloud. This presentation will provide a general overview of the Azure implementation and highlight some of the architectural differences between building and deploying MCMA in Azure vs. AWS.





Technical Details

AWS

- C#
- Frameworks
 - .NET Core 2.1
 - MCMA Core
 - **MCMA AWS**
- Terraform
 - **AWS**
- .NET Core Script

Azure

- C#
- Frameworks
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 - **Azure AD**
- .NET Core Script



Resource Overview

AWS



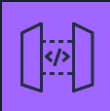
DynamoDB



S3



Lambda Functions



API Gateway



Step Functions

Azure



Cosmos DB



Blob Storage



Queue Storage



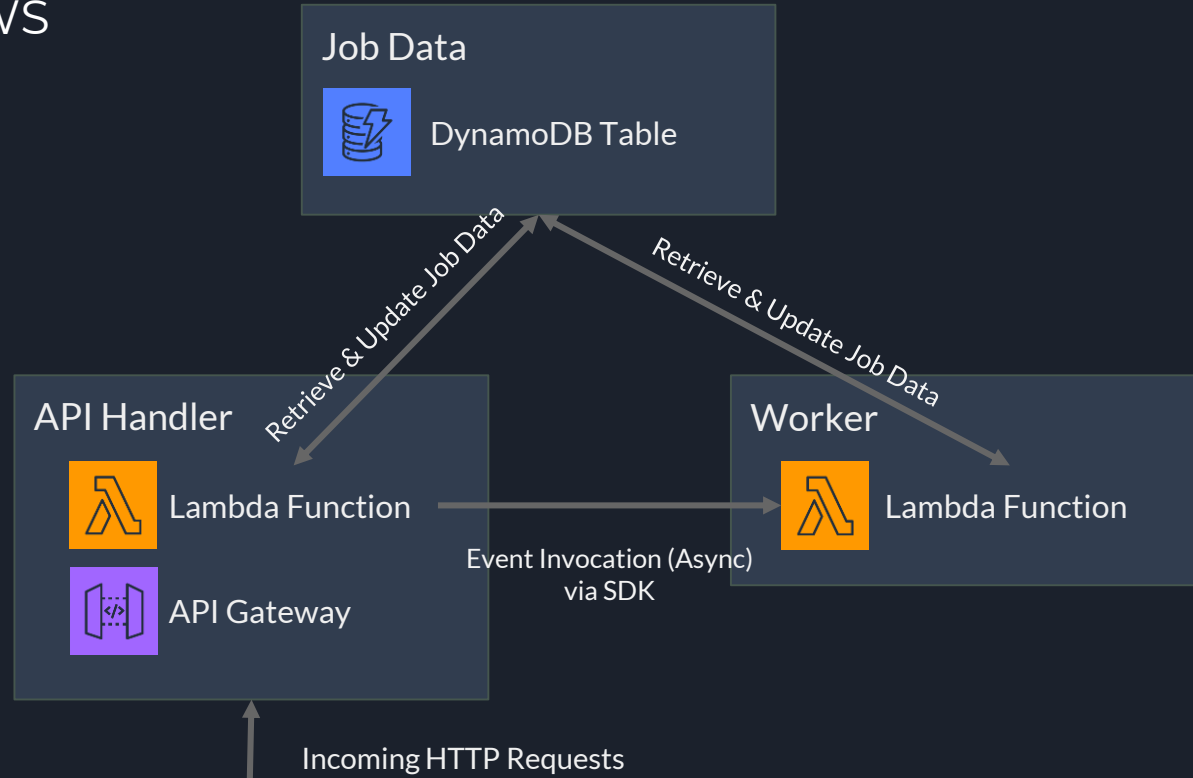
Function Apps



Logic Apps

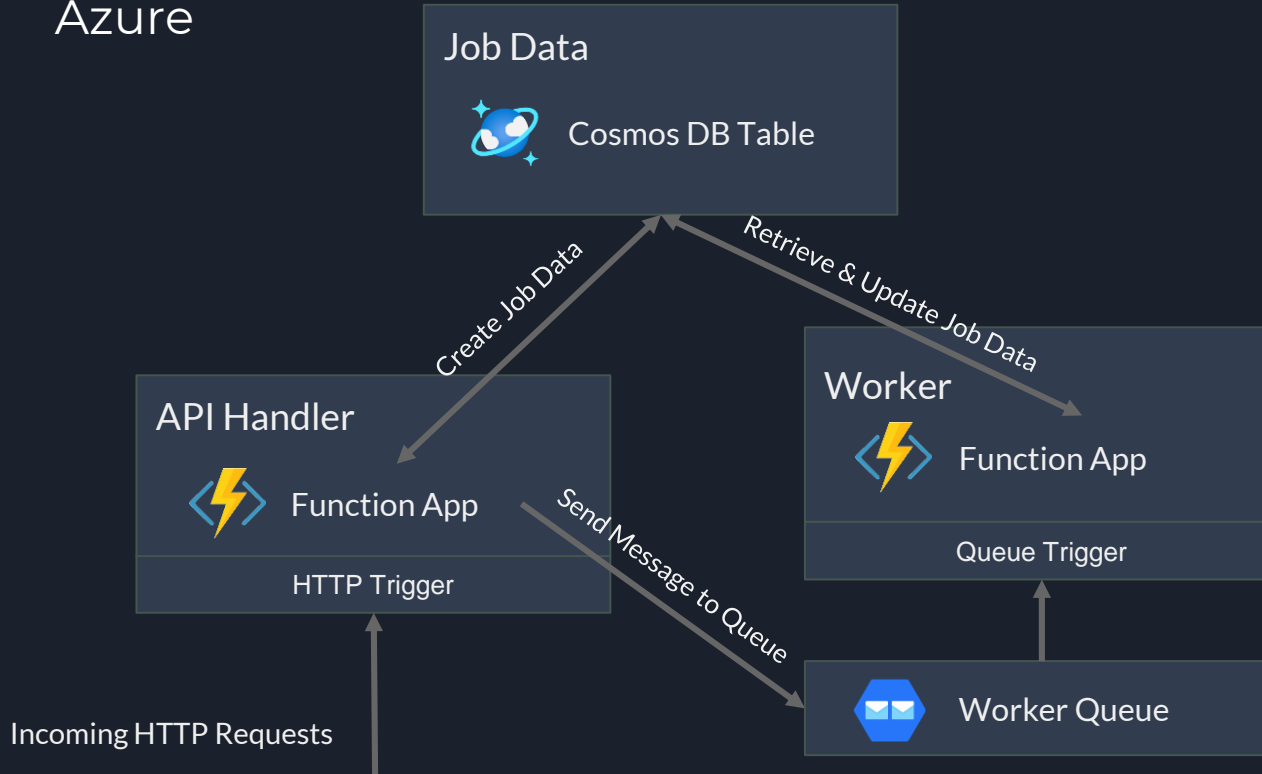
Architecture of a Typical MCMA Service

AWS



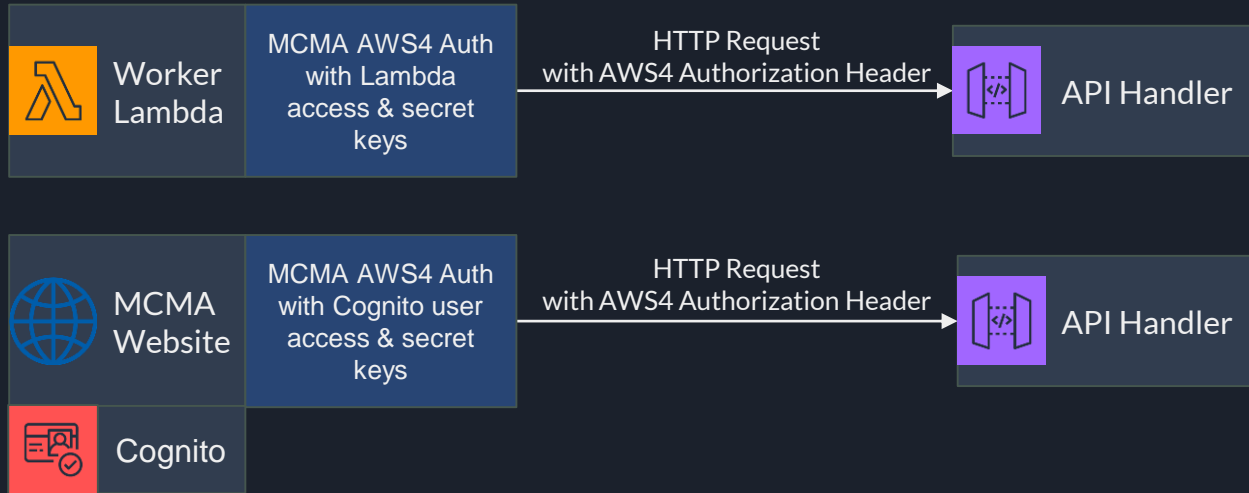
Architecture of a Typical MCMA Service

Azure



Authentication in MCMA

AWS



Authentication in MCMA

Azure

