

## Cloud-Based Integration Using Azure Logic Apps

AAS-301

Length: 5 days

Price: \$3,595.00

## Course Description

This 5-day course offers the full picture for developers who need to build integration solutions using the Azure platform, and gives students about 20 hours of hands-on lab time in which they will build several integration solutions. Attendees of this course will learn how to build cloud-hosted integration solutions that utilize the power of Microsoft Azure. The Azure cloud platform offers a vast variety of diverse services to help enterprises build powerful solutions.

## Course Audience

This course is designed for experienced .NET developers with a strong desire to learn about Microsoft's new Integration options using Azure Logic Apps. Attendees should be proficient with C# and have some familiarity with ASP.NET, MVC, and Web API.

## Course Outline

### Module 1: Introduction to Logic Apps and Cloud-Based Integration

- Microsoft Integration Platform Vision
- Logic App Technology Primer
- Building a Simple Logic Apps

### Module 2: Setting Up an Azure App Service Development Environment

- Components of Hybrid Integrations
- Setting Up a Development Environment

### Module 3: Introduction to Logic Apps

- Logic App Fundamentals
- Anatomy of a Logic App

- Intro to Logic Apps Expressions
- Manual Testing and Troubleshooting

### **Module 4: Using Azure Resource Groups as an Application Lifecycle Container**

- Resource Groups Fundamentals
- Working with Resource Groups
- Managing Resource Deployments Using Team Foundation Server

### **Module 5: Advanced Logic Apps**

- Conditional Execution
- Calling External Logic
- Exception Handling
- Looping Through Data
- Tracking

### **Module 6: Building Enterprise Application Integration (EAI) Apps Using Azure App Service**

- EAI Concepts
- Implement VETERO Using Logic Apps
- Enabling Hybrid Integrations
- Introducing the Enterprise Integration Pack

### **Module 7: Creating Schemas**

- Introduction to Schemas
- Creating XML Schemas
- Schemas for Non-XML Messages
- Introduction to Logic Apps and Cloud-Based Integration
- Microsoft Integration Platform Vision
- Logic App Technology Primer
- Building a Simple Logic Apps

### **Module 8: Mapping Data Using Transforms**

- Introduction to Maps
- Manipulating Data Using Functoids
- Getting the Most out of the Mapper

### **Module 9: Introduction to Microsoft Azure Service Bus**

- What Is Service Bus?
- Working with Queues
- How Service Bus Handles Failures

### **Module 10: Implementing a Publish/Subscribe Model Using Service Bus**

- Theory of Topics and Subscriptions
- Programming with Topics and Subscriptions
- Interacting with Topics and Subscriptions Programmatically

### **Module 11: Architecting Cloud Integration Solutions**

- Reviewing Core Technologies
- Workshop: Full Day Workshop
- Lab 11A: Building EAI Apps Using Azure App Service
- Lab 11B: Advanced Apps with Azure App Service
- Lab 11C: Building Request/Response Logic Apps

### **Module 12: Building Custom API Apps**

- Anatomy of an API App
- Fundamentals of Web API
- Hello API App World
- Debugging API Apps

### **Module 13: Building Custom Triggers**

- Concepts of Triggers
- Creating Polling Triggers

## Available Dates

11/06/2017 10:00 am - 11/10/2017 6:30 pm