Edge Developer Training

Apigee is the leading provider of API technology and services for enterprises and developers. Apigee delivers an intelligent API platform to accelerate the pace of digital business. Apigee Edge Analytics Services collects and analyzes a wealth of information that flows through APIs. This information is gathered, analyzed, and provided to you immediately, in real time.

Lab Requirements

# {API Studio} API developers

# Visual Studio 2013 community Edition

# SQL server 2014/16

# Eclipse Mars

# JAXRS 1.19 library

# JDK 7/8

# Tomcat 7 / 8

# Mysql 5.5 or above

## **Apigee Training Curriculum**

Day 1

### ****Edge Foundational Training****

Apigee Edge Overview

Designed as a “level set” for everyone involved in the project:

Product overview

o Key concepts

o API services review

o Developer services review

o Analytics services review

Technical overview

o Architectural details

o Troubleshooting and issue management

o Community

Hello World API

o Designing a Restful API

o Setting up your first API

o Using simple authentication

o Products, developers, and developer apps

API Services

Presentation and hands-on exercises on how to build and manage APIs using Edge and integrate the Apigee development into your overall API development lifecycle.

Authentication policies

o API key Validation

o OAuth 2.0–client credentials

Day 2

Securing your API

o Code injection policies

o Spike arrest policy

o Concurrent rate limit policy

o Quota policy

Mashups using Apigee BaaS

o Multiple target endpoints

o Route-rules

Caching

File System-based development

Edge API BaaS Training

What is API BaaS

o Environments and Security

o API Backend Storage

o UI Web Portal

o Geolocation

o Push Notifications

o SDKS

o Integration with Apigee Edge

Day 3

Edge Developer Training

Overview of Edge Architecture Proxy Development

o Advanced Proxy Configurations

o Extend with Programming

o Analytics

o Caching and Data storage

o Fault Handling o Mediation

API Security

o Protection against content-based attacks

o Authentication, authorization and identity

o Traffic Management

o Other security considerations

Components of the API Lifecycle

o Offline development and deployment

o API Documentation

Day 4

Java / DotNet

o Designing and building a RESTful API

o Deploying and maintaining a app in Edge

o Volos: caching, quota, OAuth and DB connectors

o Troubleshooting, debugging, where to get help Apigee-127

o Building API Specs / Docs

o Creating Controllers

o API Management

o Deploying to Apigee Edge