Openpolicyagent Training and Certification Course

Day - 1	Day - 2
• Overview of OPA and its key features • Understanding policy enforcement points (PEPs) and policy decision points (PDPs) • Benefits of using OPA • OPA architecture and how it works • Integration with Kubernetes and other environments • OPA REST API and how to use it • Introduction to the Rego policy language • Syntax and structure of Rego policies • Using Rego to write policies that enforce authorization and compliance requirements • Best practices for testing and debugging policies • Techniques for troubleshooting and resolving policy errors • Tools and utilities for policy testing and debugging	• Advanced Rego features such as negation, comprehensions, and recursion • Combining policies and modules • Building more complex policies with Rego • Deploying OPA in a Kubernetes cluster • Using OPA with Kubernetes admission controllers • Writing policies to enforce Kubernetes security and compliance requirements • Using OPA with popular CI/CD tools like Jenkins, GitLab, and Travis CI • Automating policy enforcement in your pipelines • Best practices for integrating OPA with your CI/CD workflows • Understanding OPA performance characteristics and best practices • Scaling OPA to handle large workloads • Monitoring and optimizing OPA performance