COURSE TABLE OF CONTENTS

Repository Security and Deployment Workflows

OEM: Koenig Original • Duration: 3 Days (24 hrs)

COURSE MODULES & TOPICS

Module 1: Repository Access and Protection

- Implementing access controls
- Configuring branch protection
- Managing pull-request reviews

Module 2: Secrets and Sensitive Configuration

- Protecting secrets and sensitive configuration
- Secrets management best practices
- Secret scanning techniques
- Reviewing audit logs

Module 3: CI/CD Deployment Workflows

- Configuring practical CI/CD pipelines
- Automated testing integration
- Managing build artifacts
- Separating deployment environments

Module 4: Deployment Approvals and Rollback

- Implementing deployment approvals
- Configuring rollback procedures

Module 5: Security Integration in Pipelines

- Dependency scanning
- Code scanning
- Securing deployment credentials

Module 6: Pipeline Operations and Monitoring

- Pipeline troubleshooting
- Monitoring deployment workflows

Module 7: Hands-on Final Exercise

- Applying repository security and deployment workflow concepts

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