IBM Cloud Security Engineer
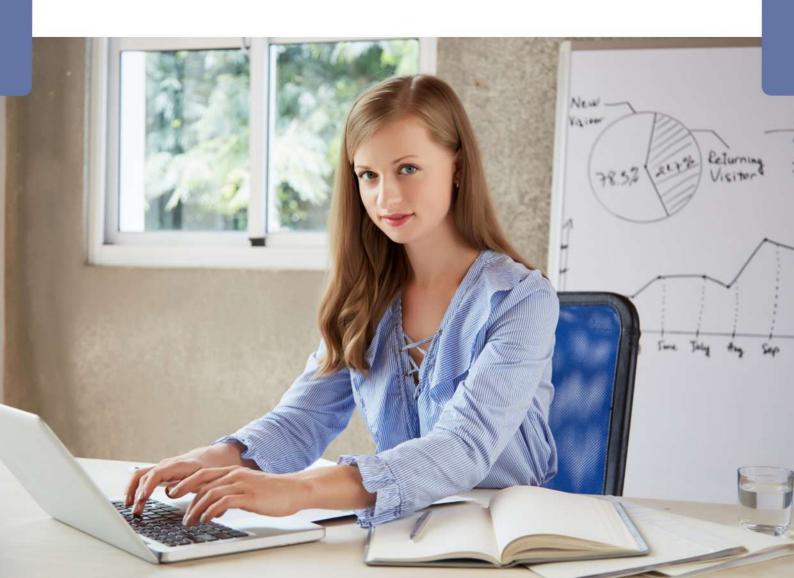
Online Course

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Course Modules

1. **Secure Infrastructure and Hybrid Cloud Connections in IBM Cloud**
   - Articulate the security requirements for & implicatns of connectg
   - Configure VPN settings for a VPC
   - Identify features and limitations of hardware firewall (Fortigate)
   - Identfy & assess the security ramifictns of multi-region deplymnt
   - Articulate how to connect on premise VMWare environments
   - Articulate how to connect using Juniper vSRX

2. **Secure Cloud Compute in IBM Cloud**
   - Secure interconnected services with VSIs in VPC
   - Articulate how to create secure internal & external connections
   - Identify solutions in Code Engine
   - Implement security contrls on Bare Metal in Classic infrastructure

IBM Cloud Security Engineer

3. Secure Kubernetes Services in IBM Cloud
- 0Implement security controls at the Kubernetes layer in IKS
- Implemnt security controls at the infrastructure layer in IKS (VPC)
- Implmnt security contrls at the infrastructure layer in IKS (Classic)
- Security ctrls at the OpenShift platform layr in Red Hat OpenShift
- Security controls at the infrastructure layer in RedHat OpenShift
- Security ctrls at the infrstrctr layer in RedHat OpenShift (Classic)
- Implement security in Red Hat OpenShift on IBM Cloud Satellite

4. Secure VMware Solutions in IBM Cloud
- Secure connections to & from VMware Solns Dedicated clusters
- Secure connections to & from VMware Solutions Shared clusters

5. Access Controls and Authorization in IBM Cloud
- Implement IAM on IBM Cloud services
- Implement authentication with App ID
- Manage access to IBM Cloud resources
- Report and audit user activity for security insights

6. Security and Compliance Monitoring, Logging and Alerting
- Manage alerts relating to Security Threats
- Manage alerts relating to Compliance

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in terms of time management,
flexibility, and the ability
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