

Prisma Certified Cloud Security Engineer



Online Course

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Course Modules

1. Cloud Security Posture Management (CSPM)

- Identify assets in a Cloud account
 - Inventory of resources in a cloud account
 - Resource configuration history
 - Asset configuration changes
- Configure policies
 - Custom policies
 - Policy types
 - Supported variables within configuration-run custom policies
- Configure compliance standards
 - Standards
 - Reports
- Configure alerting and notifications
 - Alert states
 - Alert rules
 - Alert notifications and reports
 - Alert workflow
- Use third-party integrations
 - Inbound and outbound notifications



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- Perform ad hoc investigations
 - Resource configuration with RQL
 - User activity using RQL
 - Network activity using RQL
 - Anomalous user events
 - Asset details using RQL
- Remediate alerts
 - Auto-remediation
 - Manual versus automated remediation
- Use SecOps Dashboard
 - Internet-connected assets by source network traffic behavior
 - Components

2. Cloud Workload Protection (CWP)

- Monitor and defend against image vulnerabilities
 - Options available in the Monitor section
 - Options available in the Policies section
- Monitor and defend against host vulnerabilities
 - Options available in the Monitor section
 - Options available in the Policies section
- Monitor and enforce image/container compliance
 - Options available in the Monitor section
 - Options available in the Policies section



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- Monitor and enforce host compliance
 - Options available in the Monitor section
 - Options available in the Policies section
- Monitor and defend containers and hosts during runtime
 - Container models
 - Host observations
 - Runtime policies
 - Runtime audits
 - Incidents using Incident Explorer
- Monitor and protect against serverless vulnerabilities
 - Monitor
 - Policy
 - Auto-protect
- Configure WAAS
 - Application specifications
 - API methods
 - Rest API endpoints
 - DoS protection
 - Access control to Limit inbound sources
 - Network lists
 - Access control to enforce HTTP headers and file uploads
 - Bot protection
 - Rules
 - Audit logs



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- Monitor and protect registries
 - Scanning
 - CI

3. Install, Upgrade, and Backup / Prisma Cloud Administration

- Deploy and manage Console for the Compute Edition
 - Prisma Cloud release software
 - Console in One box configuration
 - Upgrade on Console
 - Business use case to determine Prisma Cloud version to use
 - Tenant versus Scale projects
- Deploy and manage defenders
 - Networking for Defender-To-Console connectivity
 - Upgrade and Compatibility
- Configure Agentless Security
 - Agent versus Agentless
 - Cloud discovery
- Backup and restore Console
 - Backup management
 - Disaster recovery
- Manage authentication
 - Certificates
 - Secrets and credentials store



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- Onboard accounts
 - Onboard cloud accounts
 - Account Groups
- Configure access control
 - Users, roles, and permission groups
 - Access control troubleshooting
 - Service accounts and access keys
 - Single Sign On
 - Role-based access control for Docker Engine (CWP)
 - Admission control with Open Policy Agent (CWP)
 - Resource lists and collections
- Configure logging
 - Audit logging
 - Defender logging
- Manage enterprise settings
 - Anomaly settings
 - Idle timeout
 - Auto-enable policies
- Alert dismissal reason
 - User attribution
 - Licensing
 - Access key maximum validity



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- Configure third-party integrations
 - Inbound and outbound notifications
 - Supported capabilities
- Leverage Cloud and Compute APIs
 - Authenticate with APIs
 - API documentation
 - Policies and custom queries by API
 - Alerts and Reports using APIs
 - Vulnerability results via API
 - Access keys
 - Data security and IAM APIs
- Leverage Adoption Advisor and Alarm Center
 - Notification rule
 - Adoption Advisor guidance
- Access Knowledge Center and Help Center
 - Knowledge Center
 - Help Center
 - Feature requests
 - PCCSE
 - Live Community
 - Product status updates
 - Docs, Prisma Cloud Privacy and Support options



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4. Cloud Network Security & Identity-Based Micro-segmentation

- Configure Cloud network analyzer
 - Network exposure policy
 - RQL
- Deploy and manage Enforcers
 - Processing units
 - Namespaces
 - Tags and identity
 - Network rulesets
 - Out-of-the-box rules
 - Application profiling
- Manage local changes in a remote repository Configuration
 - Types
 - Flows

5. Prisma Cloud Code Security (PCCS)

- Implement scanning for IAC templates
 - Terraform and Cloud formation scanning configurations
 - OOTB IAC scanning integrations
 - IAC scanning integration
 - Supply-chain security
 - Handling scanned issues
 - Repository scanning



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- Configure policies in Console for IAC scanning
 - OOTB policies
 - Custom build policies
 - Types of config policies
 - Prisma configuration files
- Configure CI policies for Compute scanning
 - Default CI policies
 - Custom CI policies
- Manage configuration settings
 - Code reviews
 - Code repository settings
 - Notifications
 - Pull requests and tagging bots

6.IAM/Prisma Cloud Data Security (PCDS)

- Calculate net effective permissions
 - AWS calculation
 - Azure calculation
- Investigate incidents and create IAM policies
 - RQL queries
 - IAM policies



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- Integrate IAM with IdP
 - Azure active directory
 - Okta
- Remediate alerts
 - Manual versus automatic
 - AWS remediation
 - Azure remediation
- Monitor Scan Results
 - Monitor Scan Results
 - Data Inventory
 - Resource Explorer
 - Object Explorer
 - Exposure Evaluation
- Assess Data Policies and Alerts
 - Data policy vs data pattern
 - Alerts
- Define data security scan settings
 - Scan configuration
 - Data profile and pattern
 - File extensions
 - Snippet masking

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**For contact: +91 8680961847
+91 9600579474**

