

Course Name	Professional Cloud Security Engineer	
About the Course	A Cloud Security Engineer allows organizations to design and implement secure workloads and infrastructure on Google Cloud. Through an understanding of security best practices and industry requirements, this individual designs, develops, and manages a secure solution by using Google security technologies	
Key Skills You Will Learn	Configure access, Secure communications and establish boundary protection, Ensure data protection, Manage operations, Support compliance requirements	
Course Pre-Requisite	There are no prerequisites of this course, but Google recommends that candidates have at least three years of industry experience, at least one year of experience designing and managing solutions using the Google Cloud Platform (GCP)	
Target Audience	Cloud engineers who want to gain security skills, Security professionals, and Cloud security practitioners	
Job prospects with this role	Google Cloud Security Engineer	
Course Duration	~ 14 Hrs	
Course Customisation	Not applicable	
Certification	READYBELL Google Cloud Professional Cloud Security Engineer Certificate	
Mode of Training	Instructor-led 100% Online or 100% Classroom (Salt Lake, Kolkata - India) or hybrid mode (Online + Classroom) as suitable for the learner	
Course Fees	Please contact us	
Refund Policy	Get a 3-hours free trial during which you can cancel at no penalty. After that, we don't give refunds	
Job Assistance	Will assist candidate in securing a suitable job	
Contact	READYBELL SOFTWARE SERVICES PVT. LIMITED AH 12, SALT LAKE SECTOR 2, KOLKATA (INDIA) - 700 091 E-MAIL: contact@readybellsoftware.com PH: +91 - 9147708045/9674552097, +91 - 33-79642872	 Software Services Pvt. Ltd.

CURRICULUM		
Topic	Sub-Topic	Duration (Hrs)
Google Cloud - Professional Cloud Security Engineer	Module 1: Resource Manager	14 Hrs
	Resource Hierarchy	
	Policies and Constraints	
	Resource Manager Hands-On	
	Super Admin Best Practices	
	Module 2: Cloud IAM	
	Cloud IAM Overview	
	Cloud IAM Hands-On	
	Service Accounts	
	Service Accounts Hands-On	
	Cloud Identity	
	Cloud IAM Best Practices	
	Understanding Service Accounts and Scopes on Google Compute Engine	
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	Module 3: Network Security	
	Virtual Private Cloud (VPC)	
	VPC Hands-On	
	VPC Peering	
	VPC Peering Hands-On	
	Shared VPC	
	Network Isolation and Firewall Rules	
	Firewall Rules Hands-On	
	Load Balancing	
	Cloud Interconnect and Cloud VPN	
	Cloud DNS and DNSSEC	
	VPC Best Practices	
	Connecting Networks with Google Cloud VPN Using Static Routes	
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Creating Firewall Rules on a Google Cloud VPC Network		
Create Firewall Rules on a Google Cloud VPC Network		
Module 4: Encryption on Google Cloud Platform		
Encryption Overview		
Encryption at Rest		
Encryption in Transit		
Cloud KMS		

	Creating and Managing Encryption Keys Hands-On	
	Handling Encryption Keys with Cloud KMS	
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	Module 5: Data Protection	
	Identity-Aware Proxy (IAP)	
	Cloud Data Loss Prevention (DLP)	
	Cloud Data Loss Prevention (DLP) Hands-On	
	Distributed Denial of Service Attacks (DDoS) Mitigation	
	Security Partner Products	
	Cloud Armor	
	Cloud Security Scanner	
	Cloud Security Command Center	
	Forseti	
	Module 6: Compute and Storage Security	
	Compute Engine Best Practices	
	Google Kubernetes Engine (GKE) Security	
	Secrets Manager	
	Cloud Storage and Storage Types	
	Cloud Storage Permissions and Access Control Lists (ACLs)	
	Data Retention Policies using Bucket Lock	
	BigQuery Security	
	Applying Signed URLs to Cloud Storage Objects	
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	Module 7: Managing Operations in a Cloud Environment	
	Managing GCP Migrations	
	Disaster Recovery	
	Backup and Recovery	
	Module 8: Cloud Monitoring	
	Stackdriver Overview	
	Cloud Logging	
	VPC Flow Logs	
	Cloud Monitoring and Alerting	
	Stackdriver APM and Error Reporting	
	Exporting Stackdriver Logs	
	Module 9: Compliance	
	Google's Shared Responsibility Model	
	Google Security Overview	
	Standards, Regulations, and Certifications	
To register for this course please e-mail/call us		