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Certified Cloud Security Professional CCSP

- **Corse Overview:**

The Certified Cloud Security Professional Certification course from ISC2 is one of the most sought-after cloud-based certification courses worldwide. There is a massive transformation across industry sectors to move to cloud infrastructure to deliver around-the-clock services to customers globally. There are already several cloud-based platforms that are quite popular, including Amazon Web Services (AWS), Microsoft Azure, Google Cloud, and many more. Knowing to work on these platforms is pretty much straight forward, but to secure your assets in the cloud is a different ball game altogether.

In this regard, ISC2 Certified Cloud Security Professional Certification training helps individuals and enterprise teams to learn advanced technical skills to design, manage, and secure data by creating relevant applications and infrastructure for the cloud.

Duration: 5 Days

Exam: CCSP

- **Target Audience:**

Job roles that can take up CCSP training include, but are not limited to:

- Security Consultants
- Security Engineers
- Cloud Infrastructure Architects
- Cloud Computing Professionals
- Security Managers

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- System Architects
- Enterprise Architects
- Security Administrators
- Security Architects
- System Engineers
- Anybody who wants to understand Cloud Security as a whole
- Anybody who is looking to clear their CCSP Certification Exam

- **Learning Objectives:**

Participants who take part in the Certified Cloud Security Professional (CCSP) training will learn about:

- A holistic understanding of cloud security aspects in an organization
- Designing, managing, and securing data on cloud platforms
- Necessary skills required to become a CCSP certified professional
- Gain a thorough understanding of all the 6 domains prescribed in the ISC2 CCSP Common Body of Knowledge (CBK)
- Various as-a-service delivery models that include PaaS, SaaS, IaaS, and others to the cloud architecture
- Best practices of cloud security architecture, its design, operations, and overall service orchestration

- **Course Content:**

Architectural Concepts & Design Requirements:

- Understand Cloud Computing Concepts
- Describe Cloud Reference Architecture
- Understand Security Concepts Relevant to Cloud Computing
- Understand Design Principles of Secure Cloud Computing
- Identify Trusted Cloud Services

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Cloud Data Security:

- Understand Cloud Data Lifecycle
- Design and Implement Cloud Data Storage Architectures
- Design and Apply Data Security Strategies
- Understand and Implement Data Discovery and Classification Technologies
- Design and Implement Relevant Jurisdictional Data Protections for Personally Identifiable Information (PII)
- Design and Implement Data Rights Management
- Plan and Implement Data Retention, Deletion, and Archiving Policies
- Design and Implement Auditability, Traceability and Accountability of Data Events

Cloud Platform and Infrastructure Security:

- Comprehend Cloud Infrastructure Components
- Analyze Risks Associated to Cloud Infrastructure
- Design and Plan Security Controls
- Plan Disaster Recovery and Business Continuity Management

Cloud Application Security:

- Recognize the need for Training and Awareness in Application Security
- Understand Cloud Software Assurance and Validation
- Use Verified Secure Software
- Comprehend the Software Development Life-Cycle (SDLC) Process
- Apply the Secure Software Development Life-Cycle
- Comprehend the Specifics of Cloud Application Architecture
- Design Appropriate Identity and Access Management (IAM) Solutions

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Operations:

- Implement and Build Physical Infrastructure for Cloud Environment
- Run Physical Infrastructure for Cloud Environment
- Manage Physical Infrastructure for Cloud Environment
- Logical Infrastructure for Cloud Environment
- Run Logical Infrastructure for Cloud Environment
- Manage Logical Infrastructure for Cloud Environment
- Ensure Compliance with Regulations and Controls (e.g., ITIL, ISO/IEC 20000-1)
- Conduct Risk Assessment to Logical and Physical Infrastructure
- Understand the Collection, Acquisition and Preservation of Digital Evidence
- Manage Communication with Relevant Parties

Legal & Compliance:

- Understand Legal Requirements and Unique Risks within the Cloud Environmen
- Understand Privacy Issues, Including Jurisdictional Variation
- Understand Audit Process, Methodologies, and Required Adaption's for a Cloud Environment
- Understand Implications of Cloud to Enterprise Risk Management
- Understand Outsourcing and Cloud Contract Design
- Execute Vendor Managemen