

Fundamental Data Security in the Cloud

Use this Fundamental Data Security in the Cloud training to understand basic security levels in cloud data networks. This beginner cloud security training prepares security professionals to provide a basic level of security to cloud data networks, whether hybrid or completely in the cloud.

[CBT Nuggets course material](#) →

WEEK 1

Security Concepts and the Cloud

157 min.

Cryptography and Key Management	15
Access Control with IAM	10
Data and Media Sanitization	8
Network and Virtualization Security	16
Common Threats in the Cloud	13

Secure Cloud Computing Design Principles

Overview	1
Cloud Secure Data Lifecycle	7
Data Governance	11
Cloud Based DR and BC	16
Cost Benefit Analysis	9
Functional Requirements	5
Security Considerations for Different Cloud Categories	10

Cloud Data Concepts and Storage Architecture

Overview	1
Cloud Data Lifecycle	13
Data Functions	12
Data Dispersion	8

WEEK 2

141 min.

Cloud Storage Types	13
Threats to Storage	12

Data Security Technologies

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The Encryption Process and the Cloud	8
IaaS Data Encryption Options	9
Key Management	9
Data Hashing	6
Data Obfuscation and Anonymization	10
Data Loss Prevention (DLP)	9

Data Discovery, Classification and IRM

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Data Discovery	5
Data Discovery Techniques and Issues	7
Data Classification	8
Information Rights Management (IRM)	11
Data Retention and Deletion	5
Data Archival	5
Logs and Auditability	7
Log Storage	6
Chain of Custody and Non-Repudiation	6