



# Intro to Cloud Security

Learn fundamental concepts regarding securing a cloud environment.

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Chart

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Difficulty: Easy

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- Task 1 Introduction
- Task 2 Architectural Concepts of Cloud
- Task 3 Cloud Security Concepts
- Task 4 Cloud Security Risks Concerning Deployment Models
- Task 5 Security Through Access Management
- Task 6 Security Through Policies
- Task 7 Security Through Network Management
- Task 8 Security Through Storage Management
- Task 9 Cloud Security - Some Additional Concepts

Task 10 Conclusion

In this room, we have briefly touched on significant security aspects of the cloud. The complete ecosystem of cloud security can be summarized into the following categories:

- **Security through access management:** Ensure that the right people should perform the right job within the right set of permissions.
- **Security through policies:** Set conditions and guidelines under which users & resources can perform specific actions.
- **Security through networking:** Ensure that cloud instances remain safe from network-oriented attacks.
- **Security through storage management:** Ensure the security of sensitive data stored in cloud storage through various means, including encryption and geographical settings, etc.
- Essential concepts like security through logging, Disaster Recovery & Backup, the importance of updates, etc.

Cloud computing is an emerging field that has gained popularity due to its two distinctive features: pay-as-you-use and on-demand scalability. With these features, usability and acceptance of cloud computing have increased manifold, giving rise to security threats. Fortunately, cloud computing service providers offer robust security features “ready to be deployed” by the customers. These features are not only easy to be deployed but also provide resilient security protection.

A complete pathway will be designed explicitly to protect cloud infrastructure in upcoming rooms.

Answer the questions below

I have completed the room.

No answer needed

Completed