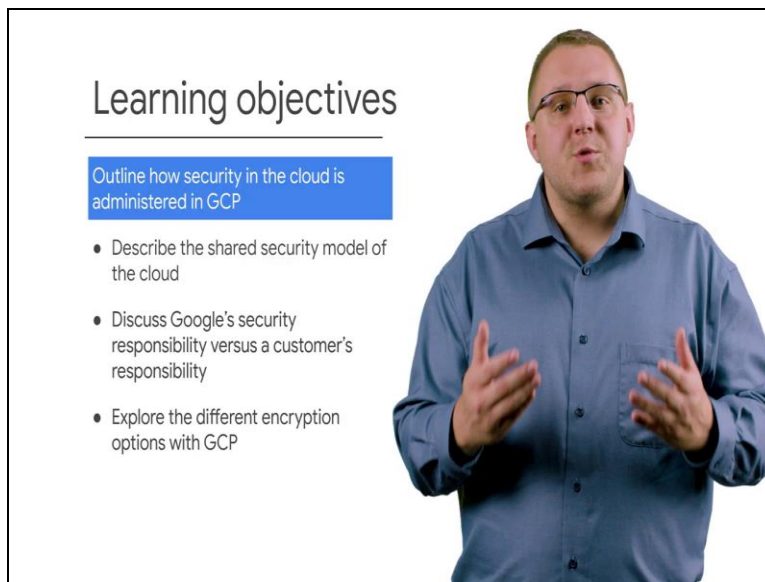**Google Cloud Computing Foundation Course**
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Google Cloud

Lecture-43
Module introduction

Hi there I am Seth and welcome to you cannot secure the cloud right. You have reached module six in the Google cloud computing foundations course. So, far in this course you have learned about cloud computing and its importance. You have explored how to leverage Google cloud to build applications and you have examined storage options and api's. In this module you will learn about Google cloud security best practices.

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The objective of this module is to outline how security in the cloud is administered in GCP. To do that you will need to meet the following learning objectives. You will learn how to describe the shared security model of the cloud, discuss Google's security responsibilities versus your security responsibilities and explore the different encryption options available on GCP.

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You will also identify best practices when configuring authentication and authorization using cloud IAM.

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These are the topics that make up the module you will start by considering what security in the cloud actually means, followed by an overview of the shared security model. Here you will learn about Google's security responsibilities and your security responsibilities as a cloud consumer. Then you will move on to exploring encryption options an understanding authentication and authorization with cloud IAM. You will explore a cloud identity aware proxy and then complete a lab where you will setup user authentication using cloud IAP.

You will then identify best practices for authorization using cloud IAM. At the end of this, this module concludes with a short quiz and a recap of the main learning points