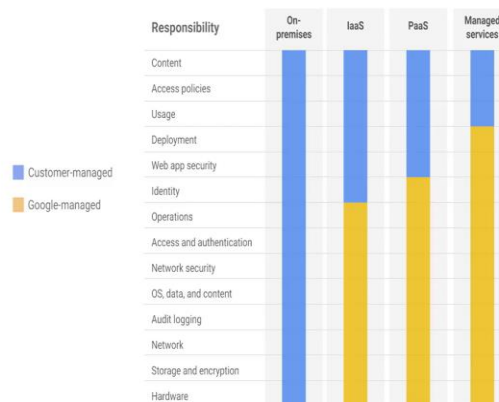


Google Cloud Computing Foundation Course
Seth Vargo
Google Cloud

Lecture-45
Understanding the Shared Security Model

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With GCP, the responsibility for security is shared



Now that you have an overview of Google's security model you will learn about your security responsibilities in the cloud. when you build and deploy an application on your on-premise infrastructure you are responsible for the security of the entire stack from the physical security of the hardware and the premises in which they are housed all the way through the encryption of the data on disk. The integrity of the network and then all the way up to securing the content stored in those applications.

But when you move an application to Google Cloud Google handles many of those lower-level layers of security like physical security disk encryption and networking integrity. The upper layers of the security stack including securing data remain your responsibility. We provide tools like the resource hierarchy and cloud IAM to help you define and implement policies but ultimately this part is your responsibility.

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Data access is almost
always your responsibility



Data access is almost always your responsibility simply put you control who or what has access to your data at any time. Google cloud provides tools that help you control this access such as cloud Identity and Access Management but they must be properly configured in order to protect your data.