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| **Server & Cloud Security**  Diploma in CSF/IT  Oct 2022 | Week 6 |
| Tutorial |
| **Cloud Data Security** | |

1. When a user requests to upload a file and store it as an encrypted object in an S3 bucket, Amazon S3 would request a data key from AWS KMS to use to encrypt the file. Briefly describe how a data key is created and shared with Amazon S3.

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1. Briefly explain TWO challenges of cloud encryption.

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1. AWS Key Management Service (AWS KMS) uses Hardware Security Modules (HSMs) to protect users’ keys. Research and explain what is a hardware security module.

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