

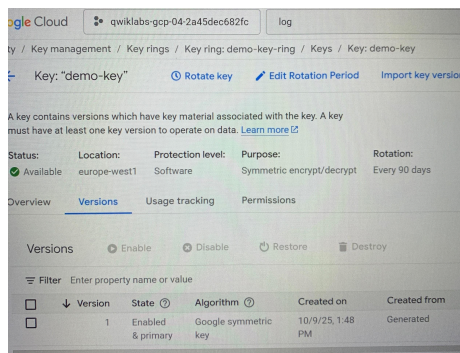
CREATE A SYMMETRIC AND ASYMETRIC KEY

In this lab ,I created both a symmetric and asymmetric key to address a request for more space to securely store data.

I will be using a cloud key management system to create and manage encryption keys to facilitate the secure transmission of this data.

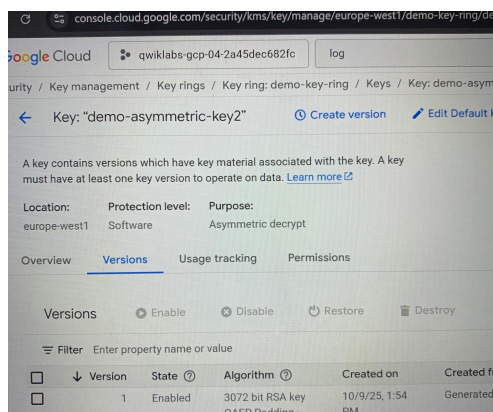
First step: create a symmetric key

This is used to encrypt sensitive data before storage or transmission. When data needs to be accessed or shared, the same symmetric key is used to decrypt the encrypted content, ensuring that only authorized parties can access the original information.



Second step: create an asymmetric key

This can be used for digital signatures. Digital signatures help verify the authenticity and integrity of messages, files or softwares, ensuring that they have not been tampered with during transmission.



Through this lab experience, I have gained practical experience in creating both symmetric and asymmetric keys, which play a crucial role in ensuring secure data and communication over networks. Having created both keys, I now have a better understanding of their significance in cryptography. This ability allows me to assist customers in securely storing large amounts of data.