



# Using customer-managed encryption keys with Cloud Volumes ONTAP

## Cloud Manager

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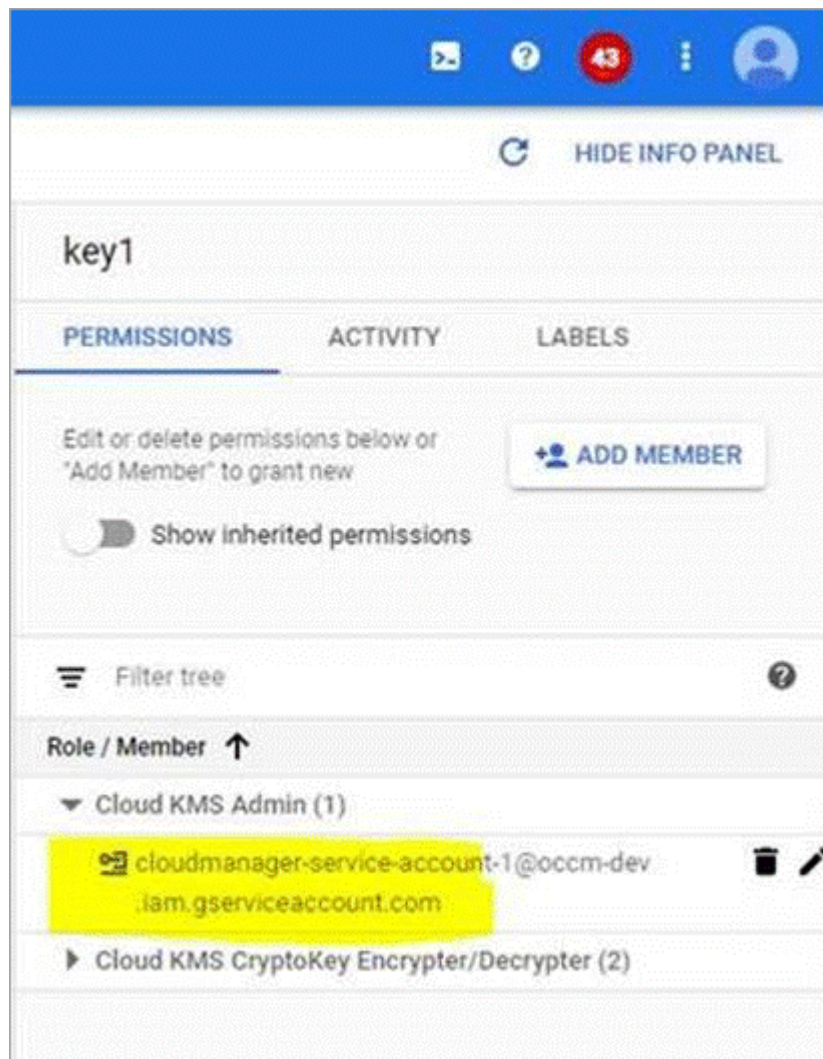
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# Using customer-managed encryption keys with Cloud Volumes ONTAP

While Google Cloud Storage always encrypts your data before it's written to disk, you can use Cloud Manager APIs to create a Cloud Volumes ONTAP system that uses *customer-managed encryption keys*. These are keys that you generate and manage in GCP using the Cloud Key Management Service.

## Steps

1. Give the Connector service account permission to use the encryption key.



2. Obtain the "id" of the key by invoking the get command for the `/gcp/vsa/metadata/gcp-encryption-keys` API.
3. Use the "GcpEncryption" parameter with your API request when creating a working environment.

## Example

```
"gcpEncryptionParameters": {  
  "key": "projects/tlv-support/locations/us-  
east4/keyRings/Nikiskeys/cryptoKeys/generatedkey1"  
}
```

Refer to the [API Developer Guide](#) for more details about using the "GcpEncryption" parameter.

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