# **Security Topic Deep Dives**

The Google Cloud documentation is technical documentation. Here are a few of my recommendations for topics you can read up on.

* [Best practices for enterprise organizations](https://cloud.google.com/docs/enterprise/best-practices-for-enterprise-organizations)
* [Cloud IAM](https://cloud.google.com/iam/docs/overview), [2F authentication](https://support.google.com/cloudidentity/answer/175197?hl=en&ref_topic=2759193#zippy=)
* [Cloud Audit Logs](https://cloud.google.com/logging/docs/audit/)
* [Cloud IAP](https://cloud.google.com/iap/docs/concepts-overview)
* [DNSSEC](https://cloud.google.com/dns/docs/dnssec)
* [Envelope Encryption](https://cloud.google.com/kms/docs/envelope-encryption)
* [Cloud EKM](https://cloud.google.com/kms/docs/ekm?hl=en#how_it_works)
* [Firewall Rules](https://cloud.google.com/vpc/docs/firewall-policies-examples)
* [DLP](https://cloud.google.com/dlp/docs/), [Pseudonymization](https://cloud.google.com/dlp/docs/pseudonymization?hl=en)
* [PCI DSS Shared responsibility](https://services.google.com/fh/files/misc/gcp_pci_srm__apr_2019.pdf)
* [Secret management](https://cloud.google.com/secret-manager/docs/overview)
* [Binary authorization](https://cloud.google.com/binary-authorization/docs/overview)
* [Signed urls](https://cloud.google.com/cdn/docs/using-signed-urls#:~:text=Signed%20URLs%20contain%20authentication%20information,request%20associated%20with%20the%20URL.)
* [NGFW](https://cloud.google.com/architecture/architecture-centralized-network-appliances-on-google-cloud?hl=en#choosing_an_option_for_attaching_network_segments)
* [Cloud Armour](https://cloud.google.com/armor/docs/cloud-armor-overview)
* [VPC service controls](https://cloud.google.com/vpc-service-controls/docs/overview), [organisation constraints](https://cloud.google.com/resource-manager/docs/organization-policy/understanding-hierarchy)
* [Security Command Centre](https://cloud.google.com/security-command-center/docs/concepts-security-sources?hl=en)

Security is a must for your cloud platform. Google Cloud has default security, configurable security services and the ability to integrate external security products.

To get a general overview about cloud security from a **non vendor specific point of view**, I recommend to read the CCSK documents which are free.  
- [Security Guidance For Critical focus in Cloud computing V4](https://downloads.cloudsecurityalliance.org/assets/research/security-guidance/security-guidance-v4-FINAL.pdf)- [ENISA Cloud Computing Risk Assessment](https://www.enisa.europa.eu/publications/cloud-computing-risk-assessment)