SECURITY OF THE **YOUR GCP ENVIRONMENT**

We Are Trying To Change That By Providing a Simple, **Customizable Approach To Performing a Security Audit** For All The Projects That Your **Organization Has.**

From the customer side, all you need to do is to provide us with an export of your cloud inventory assets and then we will apply all the Google's security best practices as documented under the **Cloud Foundation Toolkit project. The end result will** be a very comprehensive security report which will identify the security areas that need your attention.

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Nova Quantum

Google Cloud

Partner

THE TOPICS **COVERED UNDER THIS** SECURITY AUDIT:



1.RESOURCE MANAGEMENT

- GCP ORG HIERARCHY
- ENVIRONMENTS & RESOURCE ISOLATION
- RESOURCE PROVISIONING
- ORGANIZATION POLICIES



2.IDENTITY, AUTHENTICATION, **AND AUTHORIZATION**

- USER & GROUP MANAGEMENT
- ADMINISTRATIVE ROLES
- AUTHENTICATION
- ASSIGNING IAM ROLES
- SERVICE ACCOUNTS



3.NETWORK SECURITY

- VPC ARCHITECTURE
- FIREWALL RULES
- NETWORK LOGGING
- VPC SERVICE CONTROLS
- DOS AND WAF
- IDENTITY AWARE PROXY



4.VM SECURITY

- VM IDENTITIES
- REMOTE ACCESS
- IMAGE MANAGEMENT



5.GKE SECURITY

- GKE CLUSTER PROVISIONING
- SECURE CLUSTER DEFAULT CONFIGURATIONS



7.SECURITY OPERATIONS

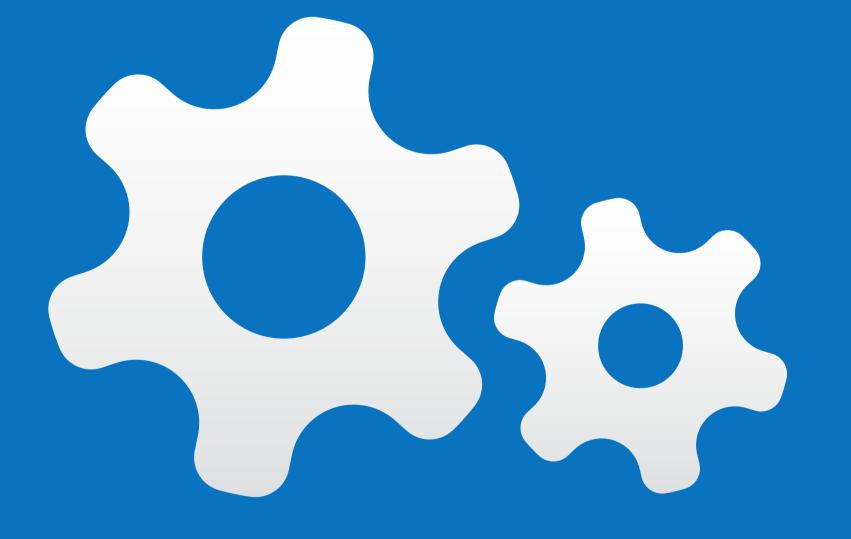
- LOGGING
- MONITORING
- POLICY SCANNING

6.DATA SECURITY • ENCRYPTION KEY MANAGEMENT

- CLOUD STORAGE SECURITY
- BIGQUERY SECURITY
- CLOUDSQL SECURITY
- DATA LOSS PREVENTION

Here is a sample of the summary of those **Recommendations:**

Recommendations **Organized by Priority**

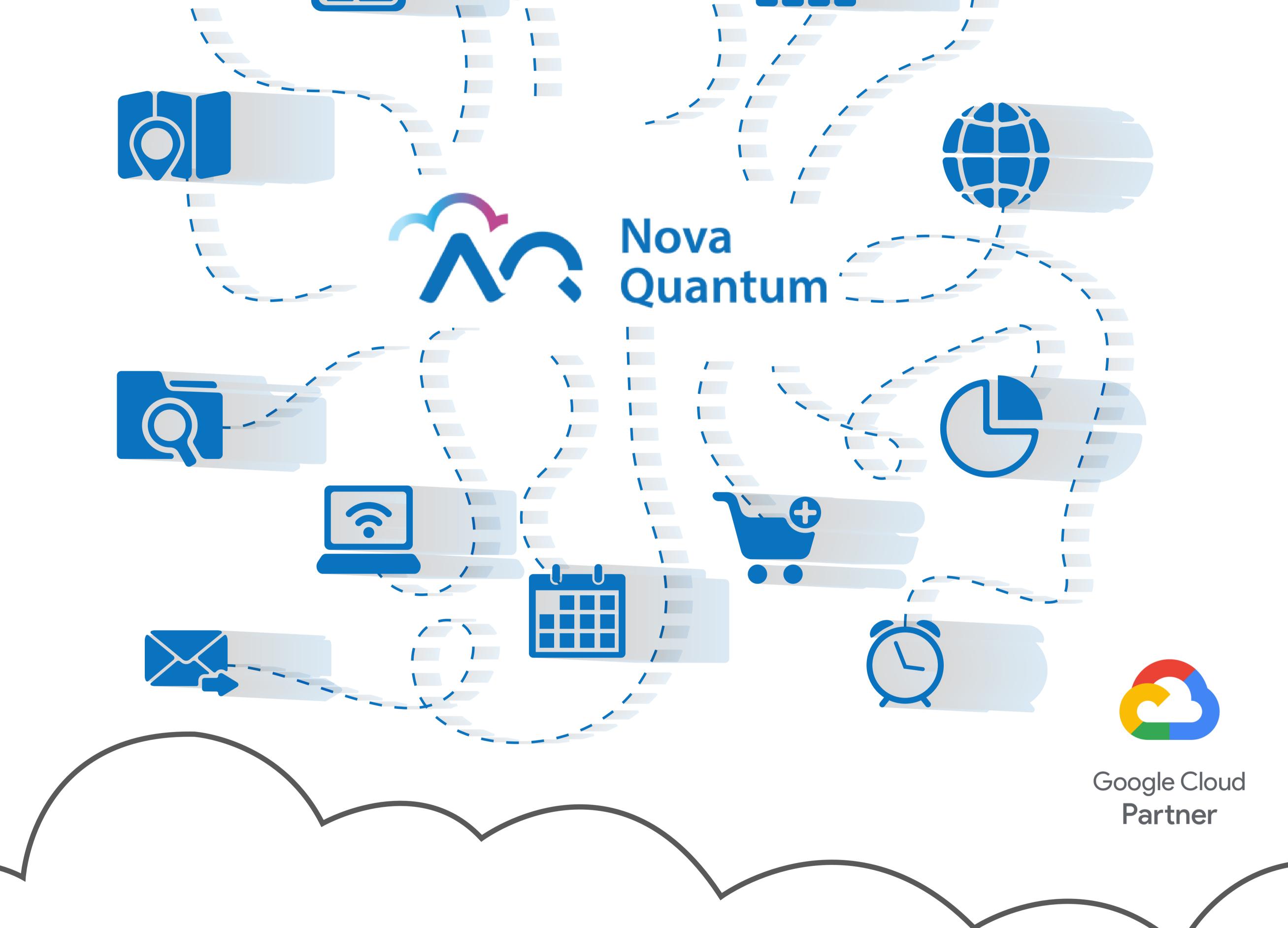


SECTION	HIGH	MED	LOW	TOTAL
Cloud Resource Management	2	0	0	5
Identity, Authentication, and Authorization	4	5	0	9
Network Security	3	10	0	14
Virtual Machine Security	3	2	0	5
GKE Security	2	5	3	13
Data Security	9	2	0	11
Security Operations	0	2	0	2

Part of our security report will include specific security recommendations for the areas that are marked as High Priority for you.

Security in the Coud does not have to be complicated, audit your environment, Today!

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Here is an example of such specific security recommendations:

Use an organizational structure that is based on your business structure that is usually grouped by Cloud IAM permissions and Organization policy inheritance

Use folders to apply Cloud IAM permissions and organization policies will be applied. For example, folder structure can reflect environments such as development and production, where more restrictive policies and limited Cloud IAM access is granted to the production environments

Avoid extensive use of folder level IAM permissions, but instead, apply permissions at a project or resource level.

