Google Cloud

[G/HACKS]

<insert hack name here>
<insert organization here>

<insert date>

[G/HACKS]

Welcome & Intros

< Lead Coach Name >

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What are gHacks?

gHacks are challenge based, hands-on **workshops**

Challenges describe high-level tasks and goals to be accomplished, not step-by-step instructions

Participants work in **teams of 3-5** to solve the challenges.

Each team is assisted by a **coach** for guidance and review of solutions

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You will get your hands dirty

*results may vary

Logistics

What is the story behind gHacks?

This is a **proven** modality

We initially **created this concept** at Microsoft in the CE organization and used it with **our customers**

Grew the catalog from 4 to **over 40 hacks**, contributed by **CEs** around the **world** and some **co-developed with customers**.

The **need** to bring this **model** to **Google Cloud** was clear

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Why do we need gHacks?

Without step-by-step instructions, **students** are forced to actively **think, search** and **discover** solutions

People **learn** and **retain** the most when they work in **teams**, make mistakes together and have the support and guidance of a **coach**

The challenges are an opportunity to showcase **our services** with **best practices** in an **end-to-end solution**

gHacks facilitate building of technical **credibility** and **trusted advisor** relationships with your **customers**.

gHacks can be **built together** with your **customer** to deliver **bespoke training** for a team that's about to embark on a **GCP pilot**.

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How do we run gHacks?

We have a number of **gHacks** available in our **catalog** that can be used today

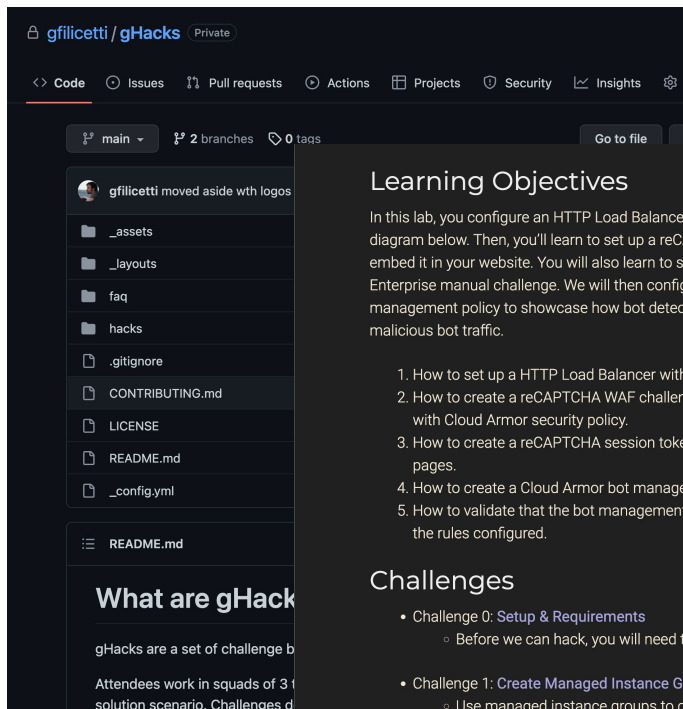We look forward to **extending** the catalog with other CEs **contributing** new gHacks

gHacks can be run in the **customer's environment**, kick starting **consumption** and leaving them with **working examples**.

Alternately, most **gHacks** are supported in the **CE Qwiklabs environment** so customers can use a standalone GCP environment.

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What's it look like?

go/ghacks

go/ghacks-repo

go/ghacks-host

go/ghacks-author

🔒 gfilicetti / **gHacks** Private

‹› Code ⊙ Issues ⑃ Pull requests ⊙ Actions ⊞ Projects ⊙ Security ⌁ Insights ⚙ S

⑂ main ▾ ⑂ **2 branches** ⬙ **0 tags** Go to file A

👤 **gfilicetti** moved aside wth logos

📁 _assets
📁 _layouts
📁 faq
📁 hacks
📄 .gitignore
📄 CONTRIBUTING.md
📄 LICENSE
📄 README.md
📄 _config.yml

≡ **README.md**

What are gHack

gHacks are a set of challenge b

Attendees work in squads of 3 t
solution scenario. Challenges d

Learning Objectives

In this lab, you configure an HTTP Load Balancer with a backend, as shown in the diagram below. Then, you'll learn to set up a reCAPTCHA session token site key and embed it in your website. You will also learn to set up redirection to reCAPTCHA Enterprise manual challenge. We will then configure a Cloud Armor bot management policy to showcase how bot detection protects your application from malicious bot traffic.

1. How to set up a HTTP Load Balancer with appropriate health checks.
2. How to create a reCAPTCHA WAF challenge-page site key and associated it with Cloud Armor security policy.
3. How to create a reCAPTCHA session token site key and install it on your web pages.
4. How to create a Cloud Armor bot management policy.
5. How to validate that the bot management policy is handling traffic based on the rules configured.

Challenges

- Challenge 0: Setup & Requirements
  - Before we can hack, you will need to set up a few things.

- Challenge 1: Create Managed Instance Groups
  - Use managed instance groups to create an HTTP Load Balancer backend.

- Challenge 2: Setup Your HTTP Load Balancer
  - Configure the HTTP Load Balancer to send traffic to your backend.

- Challenge 3: Deploy a reCAPTCHA Token and Challenge Page
  - Implement reCAPTCHA on a website's landing page.

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The current gHacks catalog

Available gHacks

MLOps on GCP

Demand Forecasting with Vertex AI

Cloud Armor + reCaptcha

Retail Data Analytics

gHacks in development

Media CDN - VOD at Scale

Software Delivery in GCP

Google Analytics Optimization
and Personalization

Customer Classification

Predictive Healthcare

Anthos Service Mesh Workshop

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Call to Action

CEs: Got an idea? **Contribute** a new gHack to the catalog.

CEs & FSRs: Start hosting gHacks for your customers. This will **unlock** new workload opportunities and lead to quicker **consumption revenue**

CEs: Host a gHack for your own team for **internal enablement**.

Thank you.

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Appendix

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gHacks:
The what, why and how

Dec 2022

Gino Filicetti
Customer Engineer
Media & Entertainment

Murat Eken
Customer Engineer
Amsterdam

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gHacks:
Learning Through Doing

Dec 2022

go/ghacks-pitch

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Customer Engineer
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