



GCP Security Talk

Hey there, Chennai!

Security is on demand.

- Why is security important for **modern** day software?
- We're a new **startup**, should security be a word of concern for us?
- Will cloud providers **manage** security for my software?
- What should you keep in mind while **choosing** a cloud provider?
- Will it **cost** a huge investment for me to step up security?

Back to the topic, let's dive into GCP.

Three things matter and is required when it comes to security on any cloud provider available in the market.

Back to the topic, let's dive into GCP.

Three things matter and is required when it comes to security on any cloud provider available in the market.

1

Policy
Requirements

Back to the topic, let's dive into GCP.

Three things matter and is required when it comes to security on any cloud provider available in the market.

1

Policy
Requirements

2

Regulatory
Requirements

Back to the topic, let's dive into GCP.

Three things matter and is required when it comes to security on any cloud provider available in the market.

1

Policy
Requirements

2

Regulatory
Requirements

3

Business
Requirements

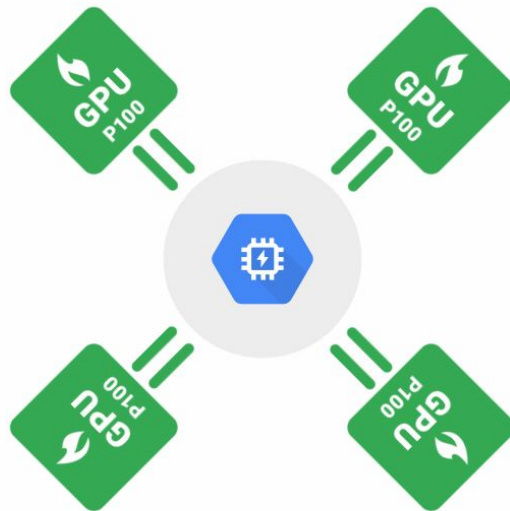
So what does GCP do to tackle this?

- Actually, we have plenty to talk in this space.
- Google invests heavily on various areas in GCP to make it one of the most secure cloud providers in the world.
- Infrastructure, network, endpoint, data, identity, monitoring and governance compliances.



Infrastructure Security

- Hardening of infrastructure
- Patching the infrastructure
- Vulnerability management
- Configuration management





Network Security

- Network hardening
- Virtual Private Cloud
- Remote access defense
- DoS defense





Endpoint Security

- G Suite device management.
- Chromebooks.
- Chrome management.
- Patch and configure policies.





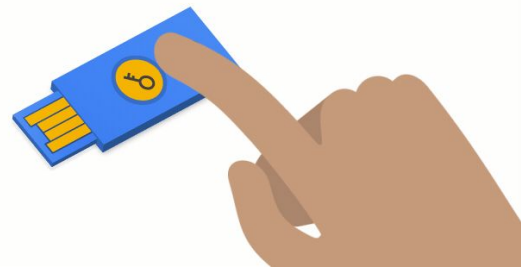
Data Security

- Encryption at rest
- Cloud data loss prevention
- G Suite data loss prevention
- External key management



Identity Security

- Cloud identity management.
- Titan security key.
- Identity and access management.
- Resource manager.





Introduction to IAM roles

Service Accounts / gcloud SDK

Secrets Manager Node SDK

Introduction to Secrets Manager

Demo of Secrets Manager

End of demo on GCP security



Want to follow along?

github.com/praveentcom/Google-Cloud-Secrets-Manager



Thanks! Let's open up for some questions.

I love taking up questions anything about GCP, but let's [limit](#) to security features in GCP for today.

Use the [chat](#) feature, no voices please. Everyone gets a chance.



If you have any [other](#) questions, let's take it offline via Meetup, Email or via Twitter.

@praveentcom - Twitter, GitHub