



Road to Google Cloud Certification

Study Group - Week 3

-  GDG Cloud Paris
-  GDG Cloud Nantes
-  GDG Cloud IoT Lyon
-  GDG Cloud Abidjan

-  GDG Paris
-  GDG Bordeaux
-  GDG Le Mans
-  GDG Mons
-  GDG Abomey-Calavi

Week 3

Professional Cloud Architect

Tous les mardi de 13h à 13h45



[Slack: Rejoignez le canal #cloud-architect-french](#)

RSVP aux events de votre GDG



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“

Tour de table
GDG
GDE
...et vous !



Vous êtes 287+ inscrits !



Beaucoup moins de monde sur Slack!

”





Jb Cotard

GDG Le Mans & Kahoot Organizer
Lead Tech / CNAM



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Julien Landuré

GDG Cloud Nantes & GDE Cloud
CTO / Zenika



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Louis Tournayre

GDG Cloud & IoT Lyon
Consultant / Zenika



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Stats

Qui suit le programme ?



Semaine 1	13
Semaine 2	8
Semaine 3	7
Semaine 4+	3
Pas débuté	3



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1

Où en sommes-nous ?

2

Revue de l'apprentissage de la semaine

3

Quizz

4

Actions pour la semaine prochaine

5

Séance de questions / réponses

Où en sommes-nous ?

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Professional Cloud Architect

Learning Journey

Pre-work	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Exam weeks
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Revue de l'apprentissage de la semaine

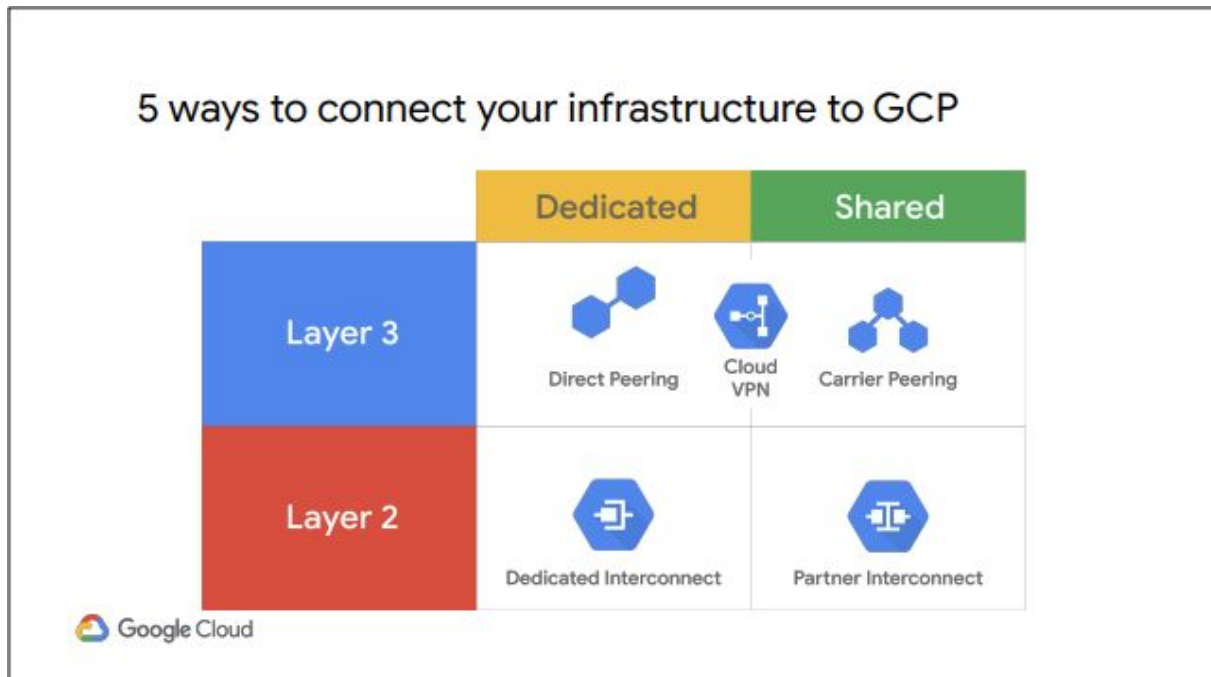
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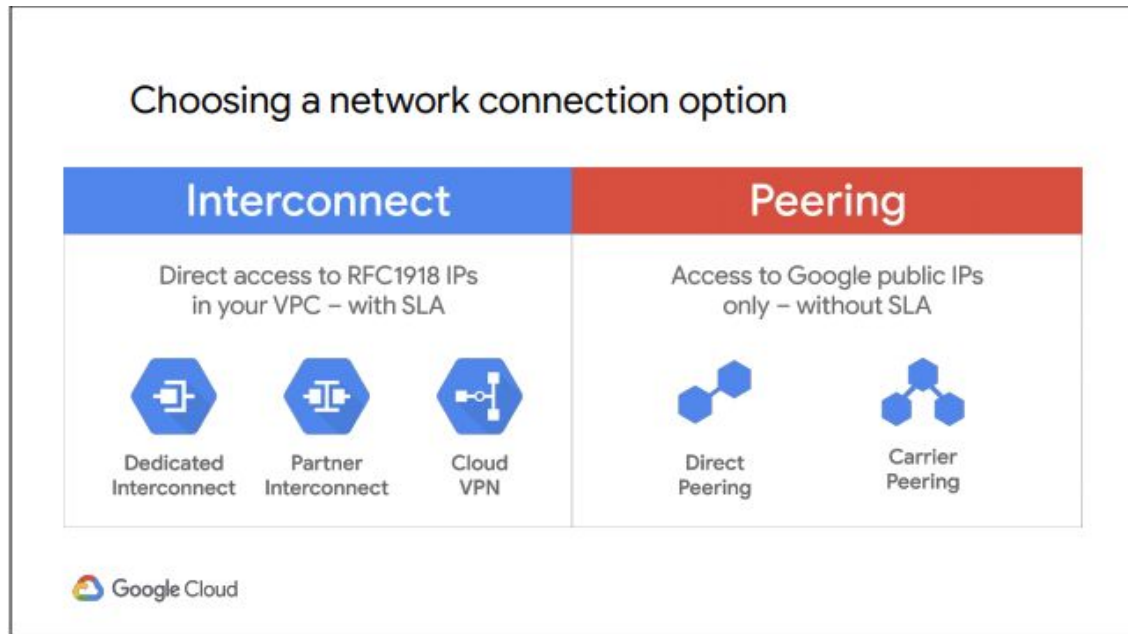
Week 3 Study Group

- **Managing and provisioning a solution Infrastructure**
 - Configuring network topologies.
 - Configuring individual storage systems.
 - Configuring computer systems.

Interconnecting Networks



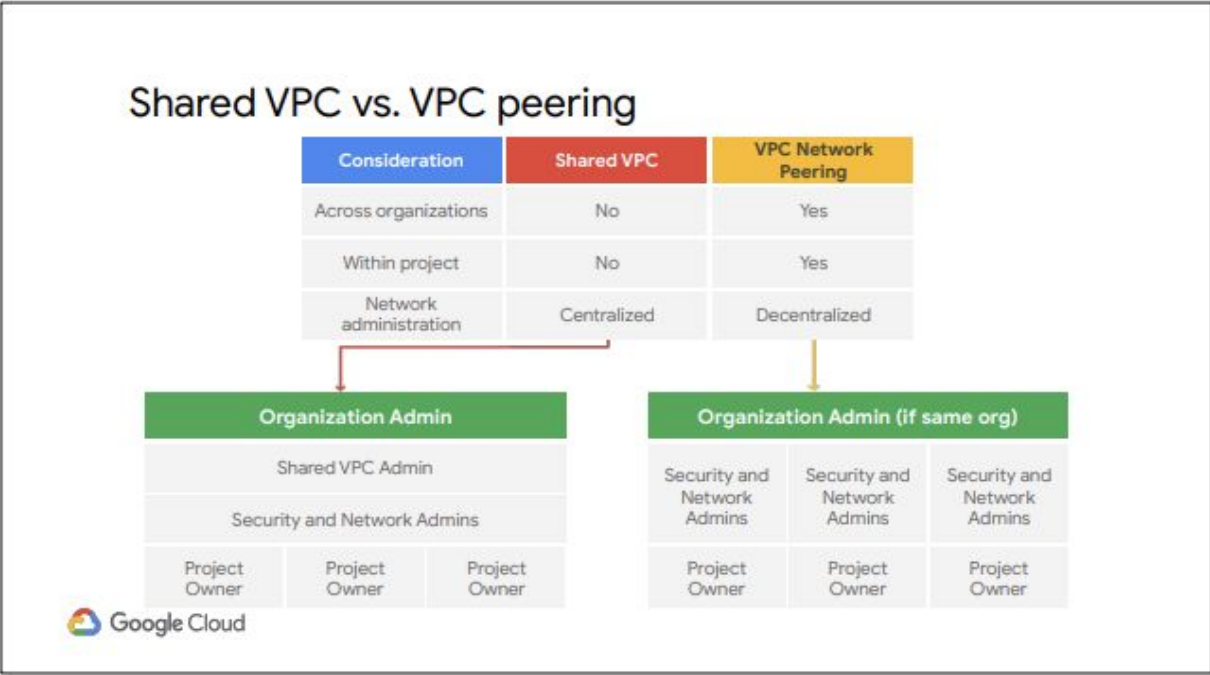
Interconnecting Networks



Interconnecting Networks



Interconnecting Networks



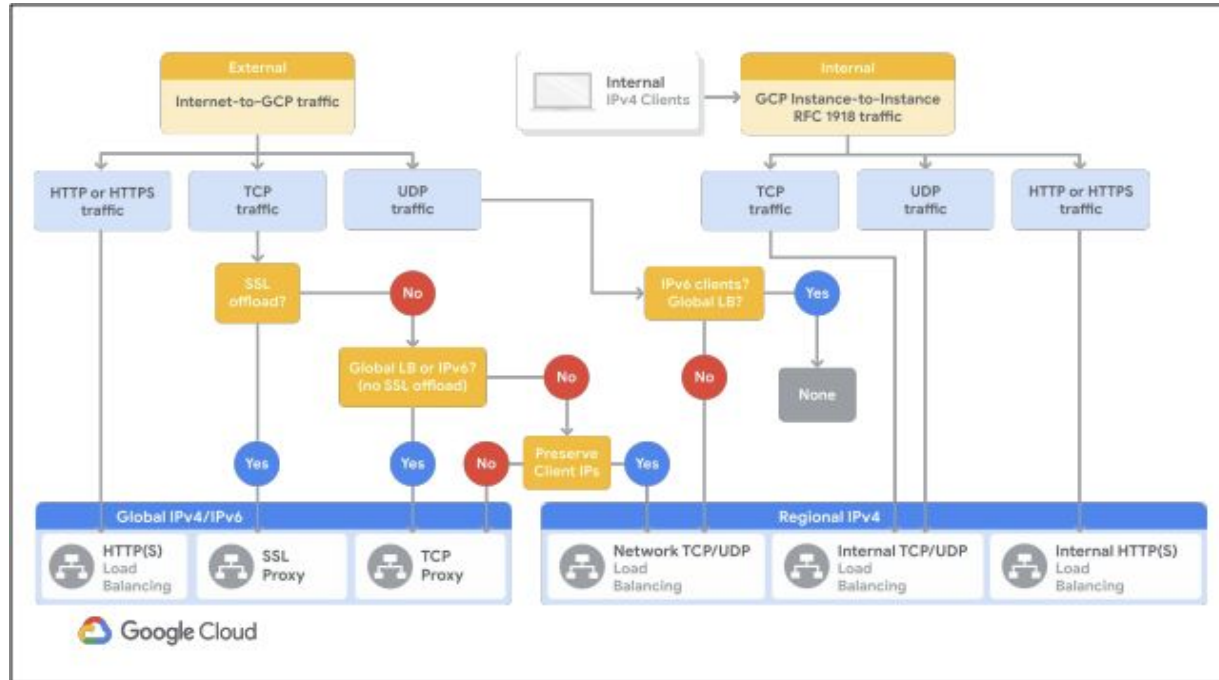
Load Balancing and Autoscaling

Managed instance groups

- Deploy identical instances based on instance template
- Instance group can be resized
- Manager ensures all instances are RUNNING
- Typically used with autoscaler
- Can be single zone or regional



Load Balancing and Autoscaling



Load Balancing and Autoscaling

Summary of load balancers

Load balancer	Traffic type	Global/ Regional	External/ Internal	External ports for load balancing
HTTP(S)	HTTP or HTTPS	Global IPv4 IPv6	External	HTTP on 80 or 8080; HTTPS on 443
SSL Proxy	TCP with SSL offload			25, 43, 110, 143, 195, 443, 465, 587, 700, 993, 995, 1883, 5222
TCP Proxy	• TCP without SSL offload • Does not preserve client IP addresses			25, 43, 110, 143, 195, 443, 465, 587, 700, 993, 995, 1883, 5222
Network TCP/UDP	• TCP/UDP without SSL offload • Preserves client IP addresses	Regional IPv4	Internal	Any
Internal TCP/UDP	TCP or UDP			Any
Internal HTTP(S)	HTTP or HTTPS			HTTP on 80 or 8080; HTTPS on 443



Load Balancing and Autoscaling

Deployment Manager is an infrastructure automation tool

- Repeatable deployment process
- Declarative language
- Focus on the application
- Parallel deployment
- Template-driven



Compute Engine



Cloud Firewall Rules



Cloud VPN



Virtual Private Cloud



Cloud Load Balancing



Cloud Router



Cloud Deployment Manager



Managed Services

Agenda

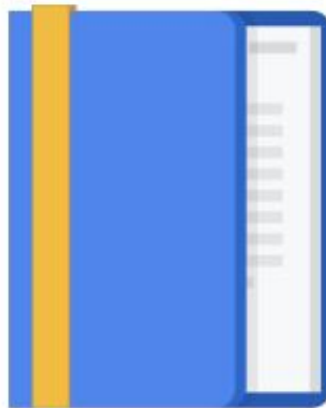
BigQuery

Cloud Dataflow

Cloud Dataprep

Cloud Dataproc

Demo



Road to Certification

Initiatives de la communauté

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Notes de vidéos

> [lien vers le gDoc](#)

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Joffrey Jougon 15:16

Hello tout le monde,

Juste pour vous partager un tips auquel j'ai pensé pour mieux réviser en utilisant Chat GPT 🤖

Dès que j'ai fini une vidéo, je copie colle le texte manuscrit des vidéos et lui envoie le contenu en lui demandant de me faire des notes (voir photos)

Je me suis dis que ça pouvait être pas mal plutôt que d'investir dans un bouquin, et puis comme ça, je suis sur que les infos sont à jour 😊

Faites juste attention de bien relire, on est jamais à l'abri des mauvaises surprises, mais globalement il renvoie toujours du bon contenu 😊

2 files ▼



3



2



1



1



Cours annexe

> cloudacademy.com



Bruno HUDBERT 4 days ago

Je suis ce parcours en meme temps =>
<https://cloudacademy.com/learning-paths/cloud-architect-professional-certification-preparation-for-google-35/> (edited)



Cloud Academy

**Cloud Architect – Professional
Certification Preparation for Google -
Cloud Academy**

This learning path is designed to help
you prepare for the Google Certified
Professional Cloud Architect exam.
Start learning now!



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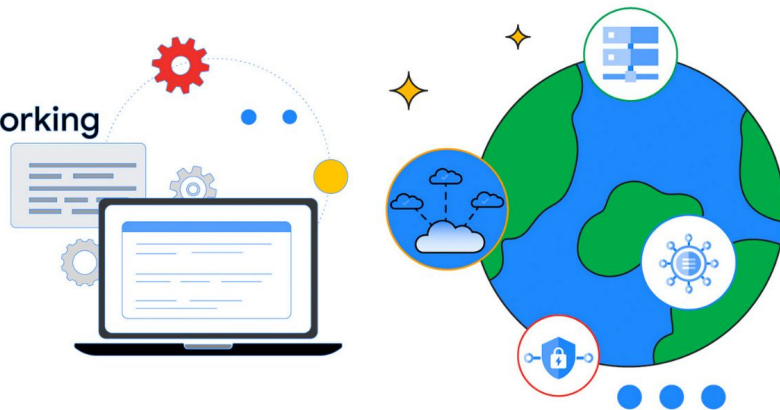
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Partage

> Announcing the Advanced Networking Demo video series



Advanced Networking
Demos



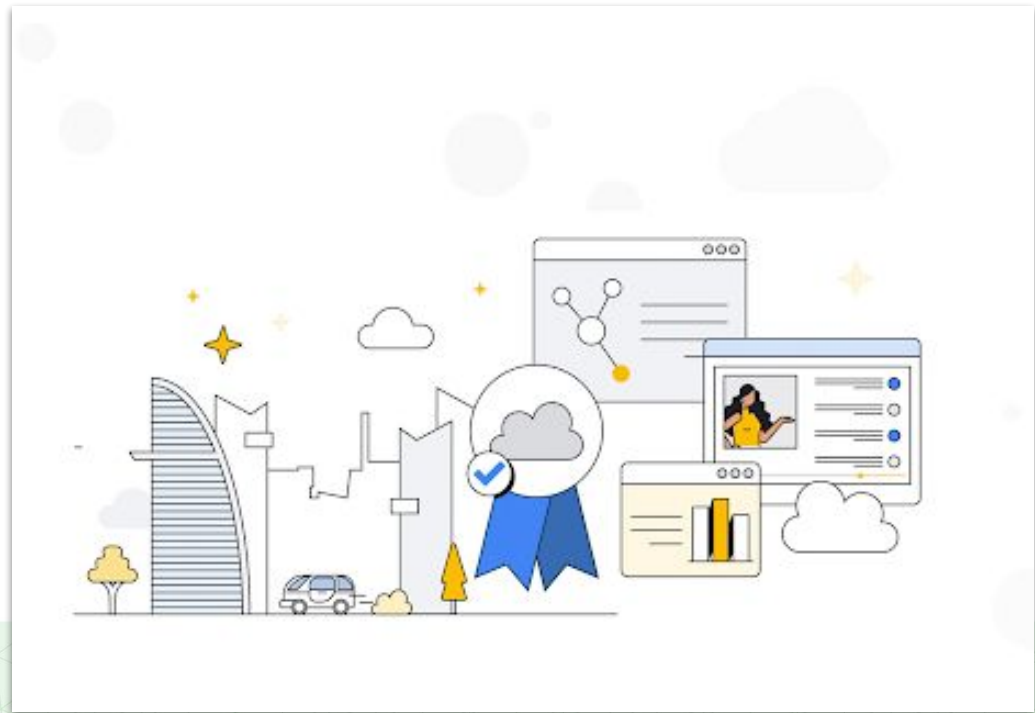
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Vouchers : coupons de réductions

> Cela dépend de vous !



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Quizz !

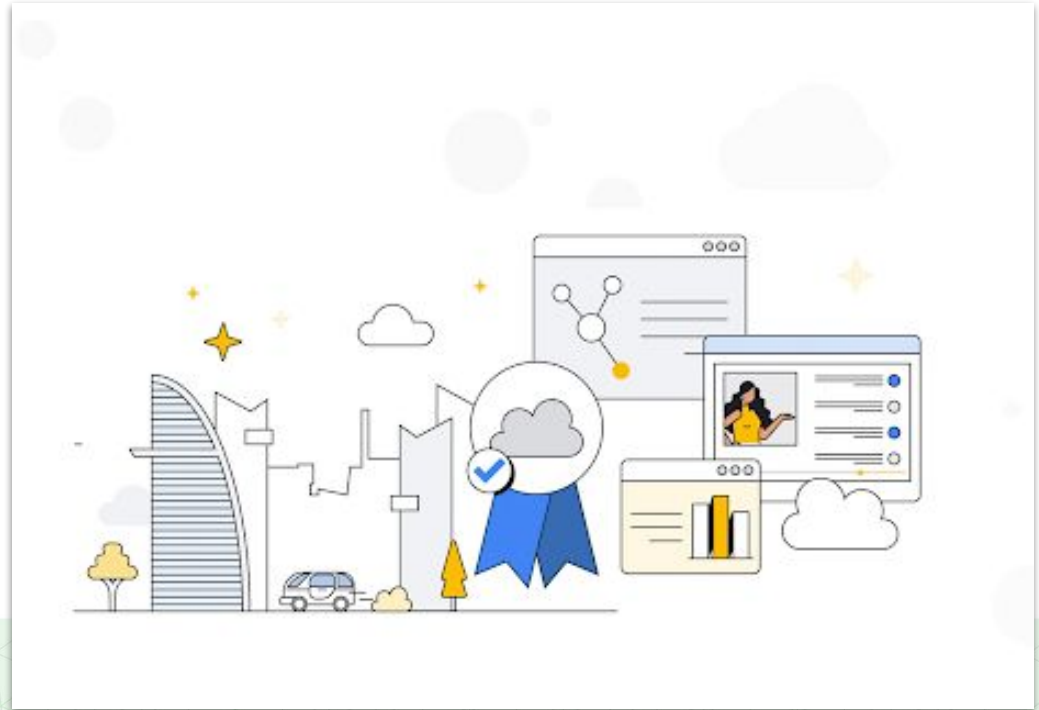
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Gagnez un voucher 50% pour la certif !



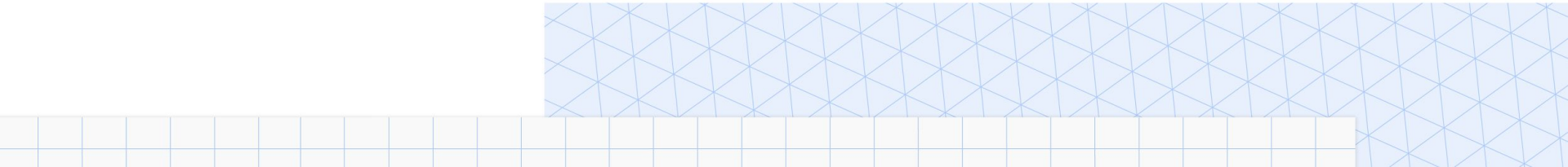
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QUIZZ time !

<https://kahoot.it/?pin=8499658>



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Thank you for tuning in!

For any operational questions about access to Cloud Skills Boost or the Road to Google Developers Certification program contact:

gdg-support@google.com



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