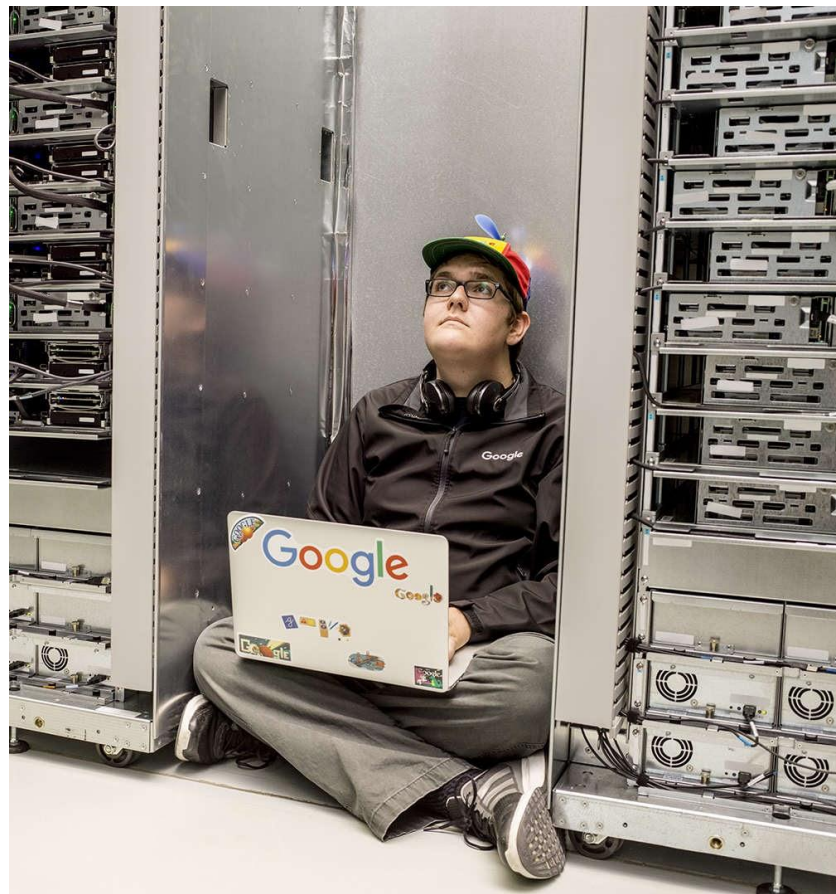# VMware-aaS
Google Cloud Platform

Mathieu Benoit

Xavier Tremblay

Agenda

Qu'est-ce que Google Cloud Platform (GCP) ?

Aperçu de VMware Engine sur GCP

VMware Engine sur GCP en action sur un tableau blanc ! ;)

Q&A + ressources

Google Cloud

Solutions GCP

Ingest

App Engine	Pub/Sub
Compute Engine	Logging
Kubernetes Engine	Storage Transfer Service
VMware Engine	BigQuery Data Transfer Service
Cloud Functions	Transfer Appliance
Cloud Run	

Storage

Cloud Storage	BigQuery
Cloud SQL	Cloud Storage for Firebase
Datastore	Cloud Firestore
Cloud Bigtable	Cloud Spanner
Cloud Filestore	

Process & analyze

Dataflow	Natural Language API
Dataproc	Dataprep
Cloud Composer	Cloud DLP
BigQuery	Video Intelligence API
AI Platform	Translate API
Cloud Vision API	Cloud Speech API

Explore & visualize

Looker
Datalab
Data Studio
Big Query BI Engine
Sheets
Data Catalog

Fondation

Billing	Cloud Interconnect	Cloud NAT	VPC	Chronicle
Cloud DNS	Cloud VPN	IAM	Operations	Cloud Key Management
Cloud Identity	Load balancers	Security Command Center	Cloud Armor	Cloud CDN

Tools

Cloud Build	IoT Core
Container Registry	API Gateway
Artifact Registry	Endpoints

Google Cloud Platform
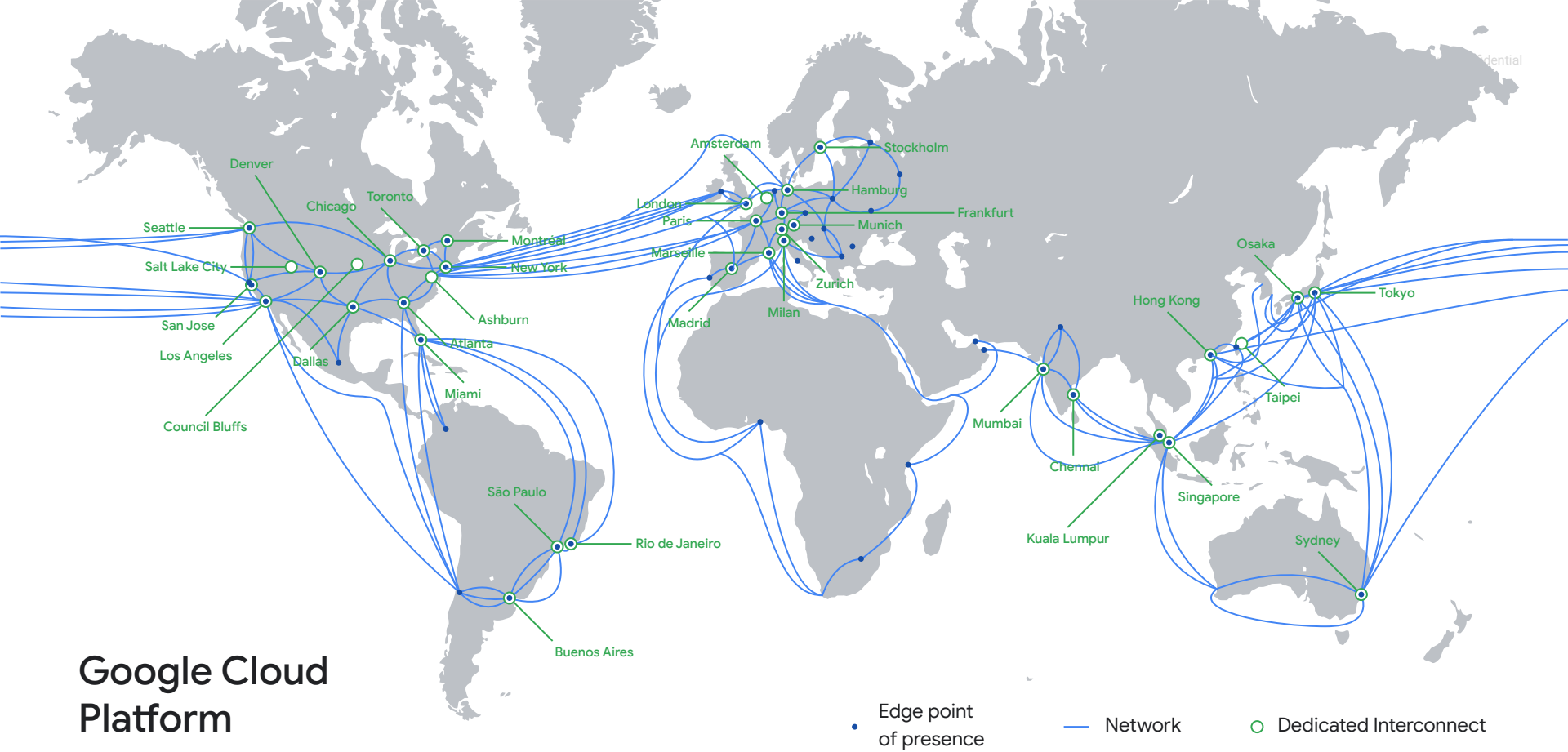
PoPs, network, and Dedicated Interconnect

Seattle
Denver
Salt Lake City
Chicago
Toronto
Montréal
New York
San Jose
Los Angeles
Ashburn
Dallas
Atlanta
Council Bluffs
Miami
São Paulo
Rio de Janeiro
Buenos Aires

Amsterdam
Stockholm
London
Hamburg
Paris
Frankfurt
Munich
Marseille
Zurich
Madrid
Milan

Osaka
Hong Kong
Tokyo
Mumbai
Taipei
Chennai
Kuala Lumpur
Singapore
Sydney

Edge point
of presence ● — Network ○ Dedicated Interconnect

Google Cloud

Use cases

Datacenter Lift-and-Shift / Extension	Disaster recovery	Private, Performance Intensive	Application Modernization
Datacenter Decommissioning / Consolidation	New DR	Real-time Databases, Transactional workload	Unified Management & DevOps
Footprint expansion / On-demand capacity	Replace existing DR	Virtual Desktops (VDI) & Design Apps	Access to Cloud Services
Test/Dev	Complement existing DR	Data Analytics and Warehousing	Hybrid applications

Google Cloud

What you get

Sold on the basis of hyperconverged nodes

Model	ve1-standard-72
CPU	2.6 GHz, 3.9 GHz turbo (x2) Cascade Lake 36 Cores, 72 Hyper-Threads
Memory	768 GB
Storage	~20TB All-Flash NVMe Distributed vSAN
Network	100 Gbps, non-oversubscribed Fully Redundant Network Design

vCenter, NSX Manager, **HCX**

ESXi | **vSAN** | **NSX-T**

Bare Metal Servers

Automated platform deployment, monitoring, patching and upgrades

API driven management of VMware SDDC

Automated remediation of failed components
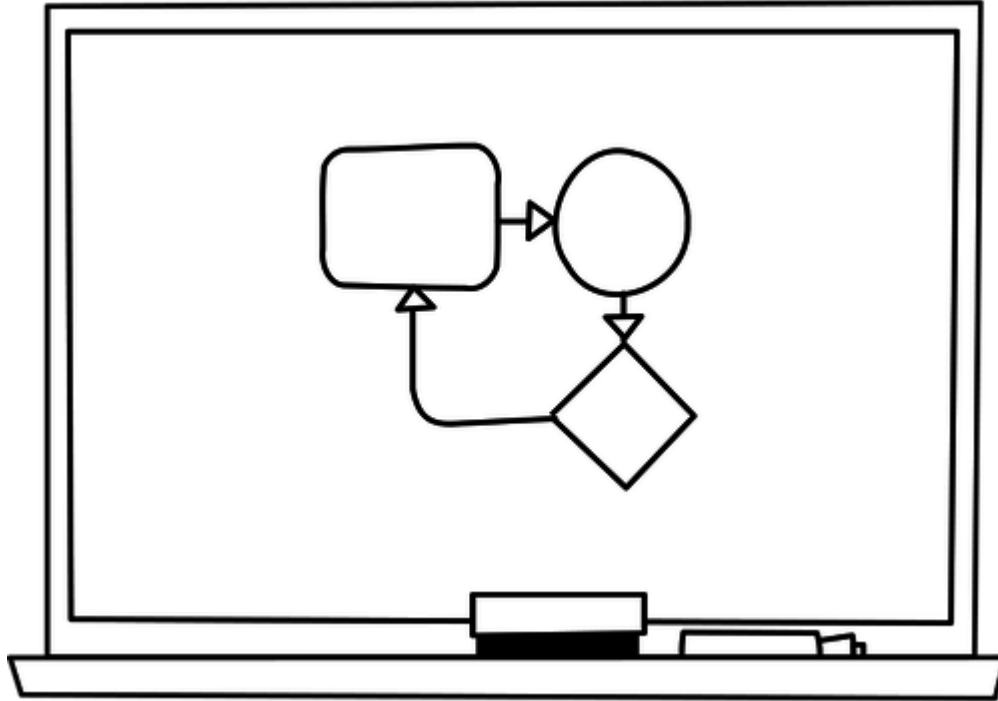
Free customers from infrastructure operation toil
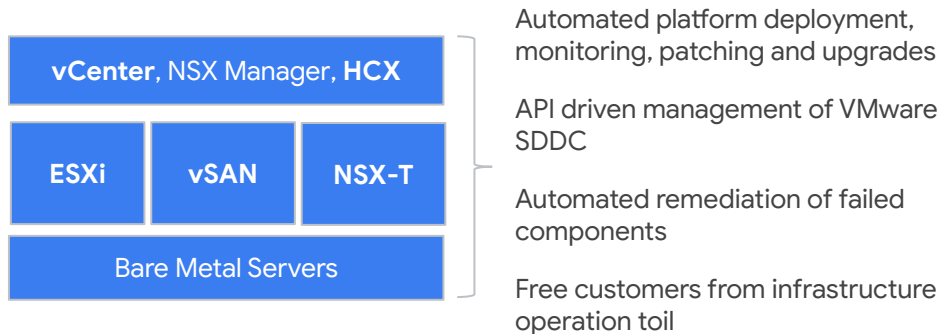
Built-in **VPC Cloud Networking**

Direct, High-Speed Access to all Google Cloud Services such as **BigQuery, Anthos, Cloud Operations, Cloud Storage** and others

End-to-End **Google Cloud Support**

VMware Engine en action ! ;)

Ressources importantes

- Documentation
    - https://cloud.google.com/vmware-engine
- Accelerate Cloud Transformation with Google Cloud VMware Engine
    - https://cloud.withgoogle.com/next/sf/sessions?session=ARC103#industry-insights
- A VM Migration Story with Mitel
    - https://inthecloud.withgoogle.com/vm-migration-mitel-20/register.html
- VPC overview
    - https://cloud.google.com/vpc/docs/vpc
- Creating and managing projects
    - https://cloud.google.com/resource-manager/docs/creating-managing-projects

Google

GDG Cloud Québec - 26 novembre

https://gdg.community.dev/e/mgfxew/

Google

Merci