Knorr-Bremse and Google Strategic partnership combining engineering excellence and innovation

Cloud Services RfP Response November 30 2020



Your Google Team



Lars Tinapp Enterprise Account Manager (returning Jan 2021)



Gabriele Eder
Segment Lead
Manufacturing & Automotive



Verena Schustereder Customer Engineer Manager / Bid Manager



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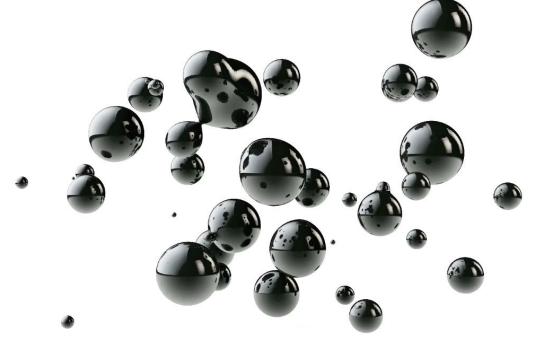
Ghoutam BanerjeeCustomer Value Advisor



Tanja SvajdaCloud Value Analyst

Google Cloud Account Hub







Setting the Scene (from RfP)



IT Architecture

Having state-of-the-art in place

Move and consolidate servers to cloud data centers

Replace locally operated services by "as a Service" products/solutions



Manage costs

Optimizing costs

Moving to the cloud allows Knorr-Bremse to move IT investment costs to the Google Cloud

A demand-based price model enables Knorr-Bremse to pay only for the workloads used

Google Cloud offers a billing structure to Knorr-Bremse, its subsidiaries, and departments



Cloud-native tools

Enabling business

Being cloud-native facilitates to react to changes with scaling up and out flexibly

Adopt new features in the area of big data and machine learning and enhance the impact of the IT division in the production cycle



Strategic Partnership

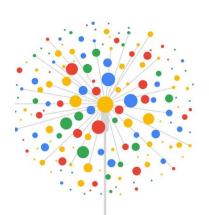
Long-term engagement

Knorr-Bremse is looking for a long-term commitment

Building a solid relationship on IT topics to jointly enable Knorr-Bremse's IT to develop the company's future

Agenda

- Why Google
- Commercials
- Solution highlights
- Migration options
- Partnership
- Summary
- What's next?





THANK YOU

Our Vision & Executive Commitment to Knorr-Bremse

Vision

Driving responsibility - together.

We empower Knorr-Bremse to stay ahead as global thought and market leader by combining your engineering excellence with unique digital capabilities from Google Cloud.

Values

Our guiding principles are commitment to customer empathy, operational excellence and speed of actions.

Our executive & leadership sponsors for Knorr-Bremse



VP EMEA North



Gabriele Eder
Segment Lead
Manufacturing & Automotive



Verena Schustereder
Customer Engineer
Manager





Knorr-Bremse's priorities...



"We want to be the global **driving force** behind innovative and sustainable system solutions that make **mobility and freight transportation safer,** more **reliable** and more **efficient** "

"We ourselves are driven by the desire to add value for our customers while also making a positive contribution to society."





The SDGs inspire us to use our financial strength and capacity for innovation to tackle financial, social and environmental challenges.

Stefan Bräuherr - Head of Corporate Responsibility

... can be supported with the best of Alphabet for Knorr-Bremse



Collaborative Workplace

High Performance

Analytics

Augmented Manufacturing







Smart Assistant



Self Driving Car

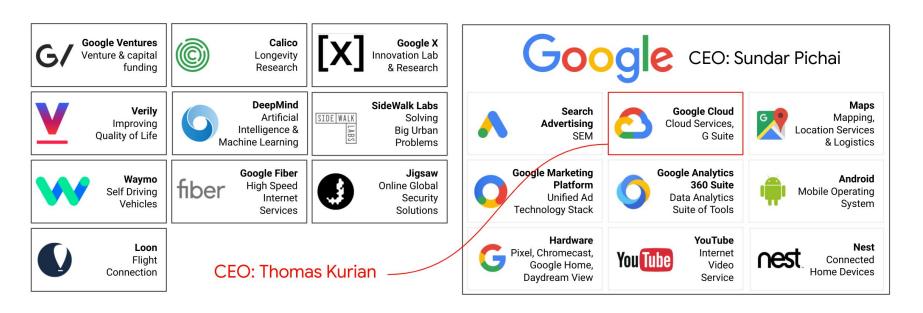


Health Monitoring

Make it safe and easy for people and things to move around

Alphabet > 100k employees

"Parent company of Google and several Google subsidiaries"



Why Google + KNORR-BREMSE ((C))

- Business Value and Innovation: Combine
 Google Tech with KB Engineering excellence
 to untap new revenue potentials
- Choice & flexibility: Only pay for what you use, no Vendor Lock-In, use of Open Source
- Leader in AI/ML: Advanced embedded AI & ML capabilities from cloud operations to industry solutions
- Purpose driven: Sustainability, diversity, equity, inclusion
- Data Privacy: Your data is your data, embedded security, GDPR,...







Knorr-Bremse and Rail Vision to test obstacle detection systems for SBB Cargo

Knorr-Bremse Switzerland is to integrate Israeli startup Rail Vision's electro-optic obstacle detection systems into SBB Cargo shunting locomotives for extended prototype testing.





Google Cloud & privacy

You own your data, not Google

Google **never sells customer data** to third parties

Google Cloud **does not use customer data** for advertising

All your data is encrypted at rest and in transit by default

We **guard against insider access** to your data

We **never** give any government entity "backdoor" access

Our privacy practices are audited against international standards

Google: a leader in data security



The Forrester Wave"*: Data Security Portfolio Vendors. Q2 2019. The Forrester Wave" is copyrighted by Forrester Research, Inc. Forrester and Forrester Wave" are trademarks of Forrester Research, Inc. The Forrester Wave" is a graphical representation of Forrester's call on a market and is plotted using a detailed spreadsheet with exposed scores, weightings, and comments. Forrester does not endorse any vendor, product, or service depicted in the Forrester Wave. Information is based on best available resources. Opinions reflect judgment at the time and are subject to change.



The Cleanest Cloud

Reduce your environmental impact with Google Cloud

Our most ambitious decade of climate action yet.

Google is entering its third decade of climate action with our most ambitious goal yet: By 2030, we're aiming to operate entirely on 24/7 carbon-free energy.









In 2007, we were the first major company to commit to carbon neutrality.

In 2017, we were the first major company to match 100% of our electricity use with renewable energy purchases.

As of today, we've procured enough high-quality carbon offsets to neutralize all of our emissions since our founding. We're aiming that by 2030, we'll operate entirely on carbon-free energy 24/7.





- Reduce CO2 emissions 50% from our locations by 2030
- All locations carbon neutral from 2021

When you choose Google Cloud, you choose...

Less energy

Al algorithms work safely and autonomously to bring a 30% energy savings to cooling systems in our data centers.

Compared with 5 years ago we're able to deliver ~7X more computing power with the same amount of electrical power.





Zero net emissions

Google has eliminated all legacy emissions since 1998 and matched 100% of electricity use with renewable energy since 2017, including the electricity that powers your workloads.

Carbon free energy by 2030

We're setting the goal that by 2030, we'll run our business, including Google Cloud, on carbon-free energy everywhere, at all times.





Tools to reduce your impact

We're developing new tools for you to **track your own IT operations** and reduce your impact.

We're also building tools and technology to help solve the unique challenges that customers face in their respective industries.



We've developed the Industrial Adaptive Controls platform in collaboration with DeepMind. Now, the same Al technology that helps reduce the energy we use to cool our data centers by 30% will be available to customers.

Beyond data centers



Pricing options - Hourly-based pricing

- On-demand / 1 year reserved / 3 years reserved
- Prices are indicated as per hour per item prices (Stückpreis pro Stunde)
- CUD (Committed Use Discount) is included for 1y or 3y option
- Microsoft sole-tenant licenses options
- New options of storage for compute

Pricing options - Commitment-based Deal

- Additional discount and additional credits/incentives
- Committed and agreed upon Dollar spend per year
- Basis is a signed Cloud Master Agreement
- Calculated on a yearly consumption plan basis
- Roll-over & roll-under clause "True-Up-Fee"

Consumption plan

Consumption plan, 5 years	Year 1	Year 2	Year 3	Year 4	Year 5
Current consumption	€275,000	€300,000	€300,000	€300,000	€300,000
Project Safety Direct	€458,000	€500,000	€500,000	€500,000	€500,000
Datacenter Elyria U.S.	€447,000	€766,000	€766,000	€766,000	€766,000
SAP BI/BO (HEC)	€350,000	€650,000	€650,000	€650,000	€650,000
Datacenter Munich Germany	-	€6,330,000	€8,632,000	€8,632,000	€8,632,000
Total p.a.	€1,530,000 \$1,774,800	€8,546,000 \$9,913,360	€10,848,000 \$12,583,680	€10,848,000 \$12,583,680	€10,848,000 \$12,583,680

- Based on 1 year reserved instances assumption
- Ramp-up factors included
- Licensing costs for operating systems of VMs included
- No growth factor calculated
- Consumption plan is based on € prices, Commitment deal is based on \$ prices

Pricing structure

\$25M, 3 years	Year 1
Estimated consumption*	\$1,774,800
Enterprise Discount, 10% (EDP)	-\$177,480
Estimated consumption - Enterprise Discount	\$1,597,320
GCP Credits	-\$1,250,000
Estimated consumption - Enterprise Discount - GCP credits	\$347,320
Premium Support Costs, 4%**	\$70,992
Technical Account Manager	\$300,000
Estimated amount payable	\$718,312
Partner Services Funds (PSF)***	\$300,000

Both the EDP and GCP Credits are credited to Knorr-Bremse by means of a discount of the estimated consumption price.

In addition to estimated consumption costs, the estimated amounts payable also consist of Premium Support Costs (4% of consumed amount p.a.) and a technical account manager.

^{*} Euros (€) consumption outlined in the Consumption Plan above is converted in US-Dollars (\$) with a current (02.11.2020) spot-rate of 1.16 \$/€

^{**} Premium Support costs are 4% of consumed amount p.a.

^{***} Google will finance Partner effort to migrate workloads into Google Cloud Platform based on the later upon agreed Statement of Work agreed by Knorr-Bremse, its Partners and Google

3 years with a \$25M commitment

\$25 million commitment, 3 years	Year 1	Year 2	Year 3
Estimated consumption*	\$1,774,800	\$9,913,360	\$12,583,680
Enterprise Discount, 10% (EDP)	-\$177,480	-\$991,336	-\$1,258,368
Estimated consumption - Enterprise Discount	\$1,597,320	\$8,922,024	\$11,325,312
GCP Credits	-\$1,250,000	\$0	\$0
Estimated consumption - Enterprise Discount - GCP credits	\$347,320	\$8,922,024	\$11,325,312
Premium Support Costs, 4%**	\$70,992	\$396,534	\$503,347
Technical Account Manager	\$300,000	\$600,000	\$900,000
Estimated amount payable	\$718,312	\$9,918,558	\$12,728,659
Partner Services Funds (PSF)***	\$300,000	\$450,000	\$0

^{*} Euros (€) consumption outlined in the Consumption Plan above is converted in US-Dollars (\$) with a current (02.11.2020) spot-rate of 1.16 \$/€

^{**} Premium Support costs are 4% of consumed amount p.a.

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5 years with a \$50M commitment

\$50M commitment, 5 years	Year 1	Year 2	Year 3	Year 4	Year 5
Estimated consumption*	\$1,774,800	\$9,913,360	\$12,583,680	\$12,583,680	\$12,583,680
Enterprise Discount, 14% (EDP)	-\$248,472	-\$1,387,870	-\$1,761,715	-\$1,761,715	-\$1,761,715
Estimated consumption - Enterprise Discount	\$1,526,328	\$8,525,490	\$10,821,965	\$10,821,965	\$10,821,965
GCP Credits	-\$1,774,800	\$1,225,200	\$0	\$ O	\$0
Estimated consumption - Enterprise Discount - GCP credits	-\$248,472	\$9,750,690	\$10,821,965	\$10,821,965	\$10,821,965
Premium Support Costs, 4%**	\$70,992	\$396,534	\$503,347	\$503,347	\$503,347
Technical Account Manager	\$300,000	\$600,000	\$900,000	\$900,000	\$900,000
Estimated amount payable	\$122,520	\$10,747,224	\$12,225,312	\$12,225,312	\$12,225,312
Partner Services Funds (PSF)***	\$800,000	\$700,000	\$0	\$0	\$0

^{*} Euros (€) consumption outlined in the Consumption Plan above is converted in US-Dollars (\$) with a current (02.11.2020) spot-rate of 1.16 \$/€

^{**} Premium Support costs are 4% of consumed amount p.a.

^{***} Google will finance Partner effort to migrate workloads into Google Cloud Platform based on the later upon agreed Statement of Work agreed by Knorr-Bremse, its Partners and Google

NEW: Updates on compute Storage pricing - Elyria

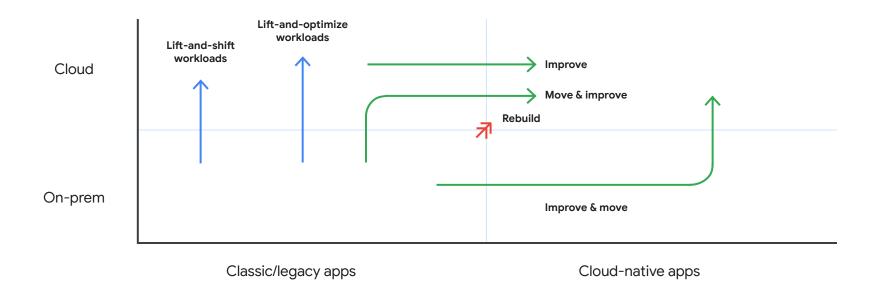
			old Disks	new Disks		
Elyria - Storage Profile	Region	#	per item / hour pay as you go	per item / hour pay as you go	Savings	%
P10	East/ Central / North US	19	0,0281€	0,0281€	-€	0,00%
P15	East/ Central / North US	3	0,0562€	0,0329€	0,0233 €	41,50%
P20	East/ Central / North US	1	0,1124€	0,0657 €	0,0466 €	41,49%
P30	East/ Central / North US	1	0,2248€	0,1315 €	0,0933 €	41,51%
P4	East/ Central / North US	11	0,0070 €	0,0070 €	- €	0,00%
P40	East/ Central / North US	2	0,4496€	0,2630 €	0,1866 €	41,51%
P6	East/ Central / North US	2	0,0141€	0,0141€	- €	0,00%
P80	East/ Central / North US	1	7,1932 €	4,2074 €	2,9859€	41,51%

NEW: Updates on compute Storage pricing - Elyria

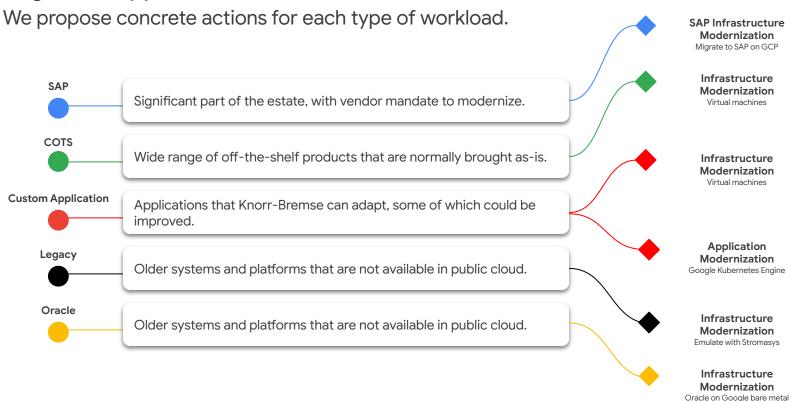
			old Disks	new Disks		
Elyria - Maschine Profile		#	per item / hour pay as you go	per item / hour pay as you go	Savings	%
A4m_v2	East/ Central / North US	2	0,3513€	0,3472€	0,0041€	1,16%
D16_v3	East/ Central / North US	4	1,2404€	1,1995€	0,0409€	3,30%
D2_v3	East/ Central / North US	10	0,1648 €	0,1648 €	-€	0,00%
D3_v2	East/ Central / North US	2	0,3320€	0,3116€	0,0204€	6,16%
D4_v3	East/ Central / North US	5	0,3101 €	0,2999 €	0,0102€	3,30%
D8_v3	East/ Central / North US	3	0,6202 €	0,5998 €	0,0204€	3,30%
D8s_v3	East/ Central / North US	4	0,5904 €	0,5839 €	0,0065 €	1,11%
E20_v3	East/ Central / North US	1	1,9818 €	1,9205 €	0,0613€	3,10%
E4_v3	East/ Central / North US	1	0,3556 €	0,3454 €	0,0102 €	2,87%

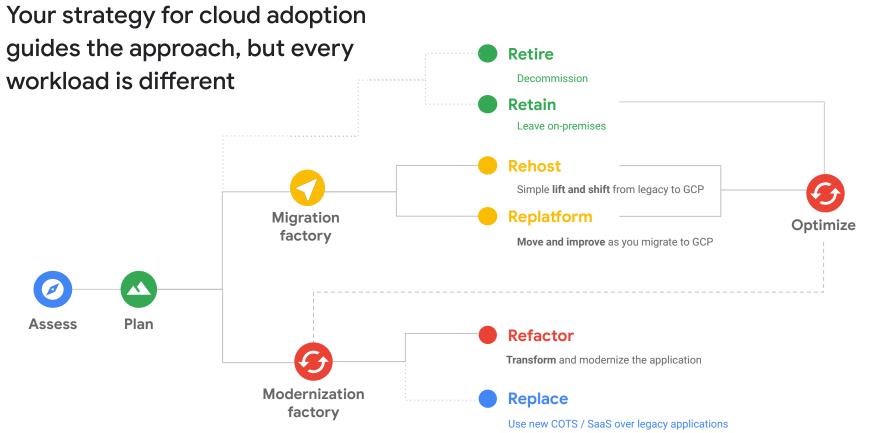


There are many migration pathways to pick from

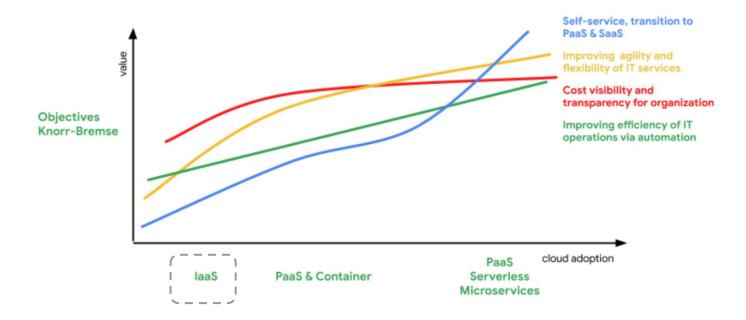


Migration approach





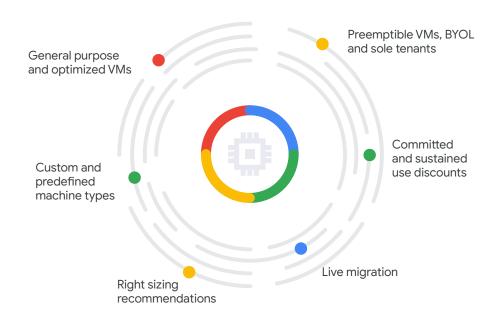
Different paths, one journey



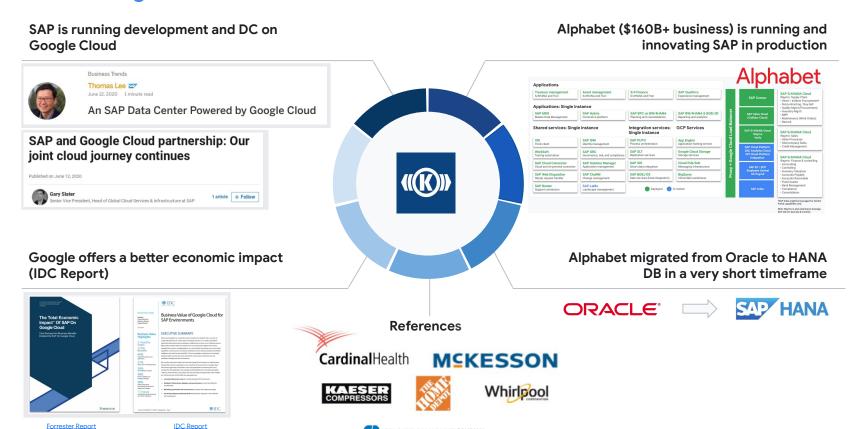
Introducing Compute Engine

Compute Engine lets you create and run virtual machines on Google infrastructure.

Get access to a variety of predefined and customizable VM families coupled with consumption and pricing models, as well as functionality for all of your application and workload requirements.



How we integrate SAP for clients and ourselves



SAP on Google Cloud is uniquely differentiated to any other Cloud provider

What Knorr **# TIP** Bremse's SAP Platform needs **SECURITY PERFORMANCE FLEXIBILITY** RELIABILITY **FUTURE READY** What Google Global VPCs Premium Network Tier Live Migration **Custom Machine Type** Integration with Data & Cloud Platform MI Services Fault Tolerant Infra No Upfront Fees **Encryption By** Highest SAPS per offers Default vCPU VMs Single VPC across all SAP Powerful instance types, Optimized customized Leverage Google What Proposed Robust HA/DR with deployed regions with delivering highest SAPs automatic async replication compute based on usage technology Innovations & IP Solution offers security across all layers of for storage snapshots to and flexibility within commit to automate and extend count; best global the architecture without the networking performance multi-region and increased to reallocate CPU and RAM SAP capability reliability for google compute with low latency integration as needed while retaining need for peering allowing for easier operations without with >99.99% uptime committed use discount. compromise. inclusive of infra maintenance. Risks Reduction

Google VMware-aaS highlights: Your Easy "On Ramp" to the Cloud

Provision your VMware environment in Google Cloud in minutes

Bring your VMware-based environments to Google Cloud without major modifications

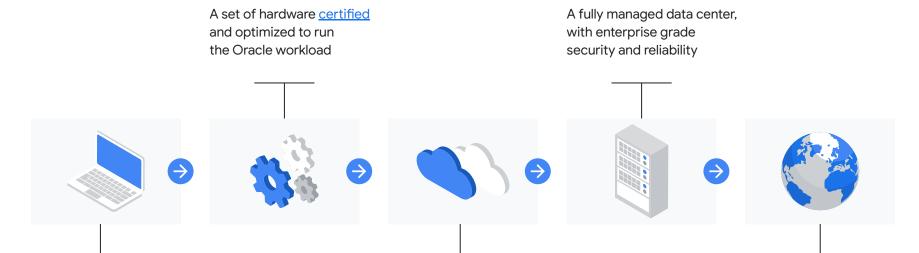
Management, networking services, operating platform and backend infrastructure run at scale by Google Cloud

Sold and supported by Google



Oracle on Bare Metal Solution

For applications that require an Oracle Database



Run old versions of the Oracle databases, packaged apps, hypervisor of your choice

Availability across 9 data centers, 1 ms away from GCP

Migration timelines traditionally between 8 to 10 weeks.

Licensing Models w/ MSFT workloads

Scenarios

Buy from Google Bring your own license (Pay-as-you-go)* (BYOL) Google-engineered images Must deploy on sole-tenant infrastructure Windows Pay-per-second licensing Eligibility depends on some conditions Server (covered in next slides) Google-engineered images BYOL-Eligible via License mobility** Pay-per-minute licensing Pay-as-you-go licensing Others (SharePoint. BYOL-Eligible via License mobility** and images from partners Exchange...) Spiky workloads / no MS

relationship / Keep it simple

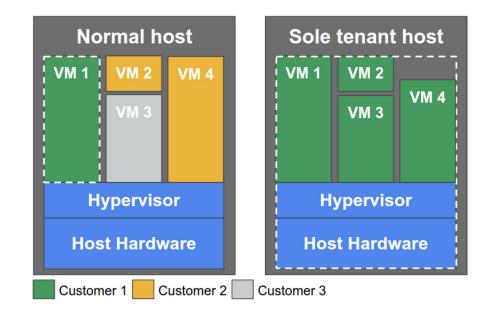
24x7 workloads / existing MS licenses (SA) / Self-mgmt of licenses

^{*}Google is Microsoft SPLA partner

^{**}Google is Authorized Mobility Partner - Link

Sole Tenant Nodes

- Dedicated hardware to meet MSFT BYOL requirements.
- Mix-and-match VMs to consume host resources.
- Configure host-level autoscaling and CPU Overcommit.
- Control maintenance windows and maintenance behavior.



Licensing overview

Disclaimer:

Licensing information provided is for general information purposes only. In the BYOL use case, we're presenting information validated by licensing experts in advisory capacity. However, customers owns the license with Microsoft and are responsible for compliance.

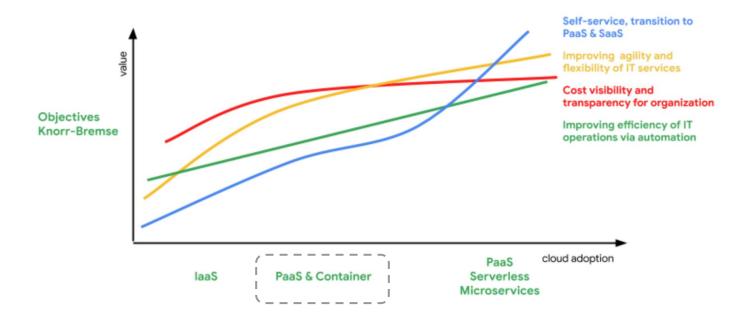
#1 for virtual machines

Live migration	Eliminate all VM downtime windows for planned infrastructure maintenance or Google Cloud. You should never have to plan around the platform. Free of charge.
Size to exact fit	Choose VM sizes that fit your workloads down to the exact number of vCPUs and RAM, making true rightsizing savings a reality.
Global networking	Google Cloud networks are global. Benefit from Google's encrypted backbone with automatic worldwide connectivity without additional setup and maintenance.
Managed patching	Manage patch status, reporting, and rollout for all virtual machine in one place. Google Cloud manages OS patching for both Linux and Windows .
Strong security	Trust that your software runs on a secure foundation , cryptographically verified from the hardware up through every layer of the infrastructure.
Sole tenancy	Bring your own software licenses by reserving hardware tenant nodes for your virtual machines, allowing utilization of existing license assets.
Overcommit possibility	Google Cloud gives you the option to configure overcommit for VM resources on sole tenant nodes as a lever to further perform cost optimization.

Google Cloud runs the most stable VM infrastructure in the world, perfect for enterprise applications requiring uptime and performance.



Different paths, one journey

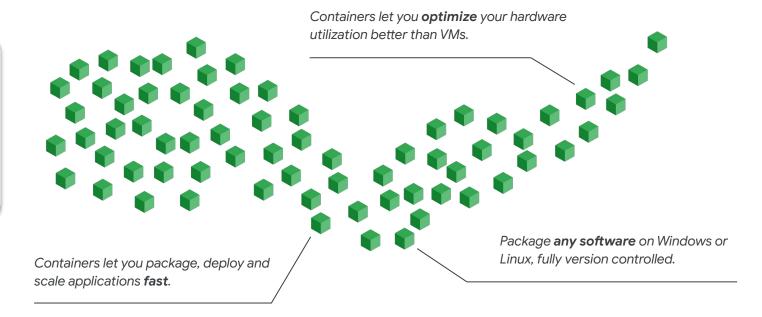


#1 for containers

14 years ago Google invented containers as we know them, and open-sourced the code. We have been running our entire business on containers for the past decade.

With this experience we built Kubernetes, an open-source system to run containers at scale.

Run containers on Google Kubernetes Engine, the world's leading Kubernetes service, maintained by the engineers that originally built Kubernetes.



Application modernization and multi-cloud with Anthos

Open

Decouple app and infrastructure with open source leadership in Kubernetes

Hybrid

Consistent platform capabilities on-prem and in multi-cloud, supporting on-prem, AWS and Azure (soon)



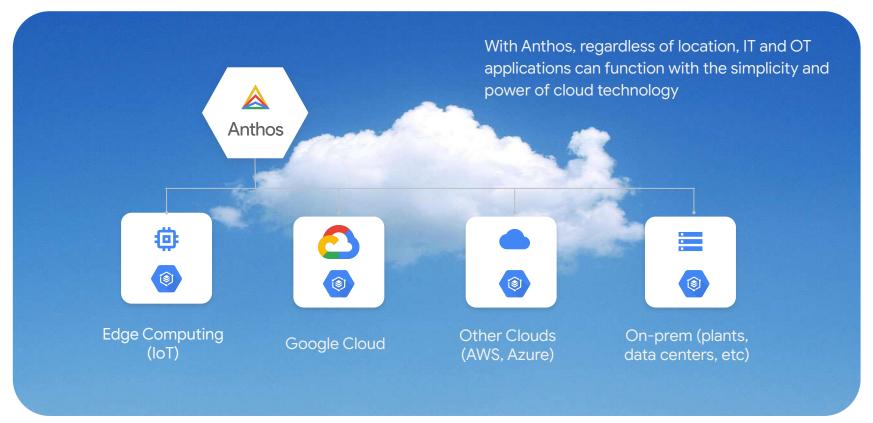
Automated

Self reconciling infrastructure and application software management

Fast

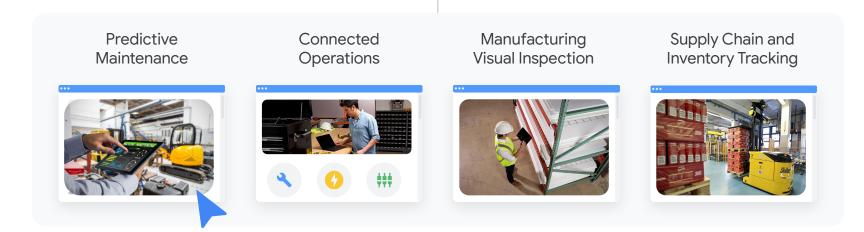
Accelerate app innovation with low friction development cycles and rapid conversion from VMs to containers

Google Anthos

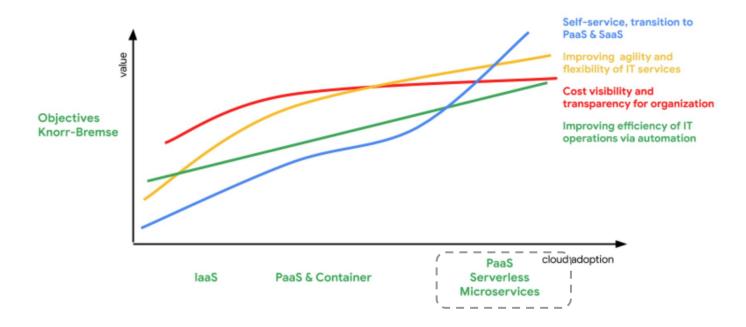


Anthos can help accelerate Industry 4.0 use cases like real-time AI/ML without typical DevOps complexities





Different paths, one journey



Value from Data Warehouse modernization solutions is generated at three levels

Value Realized

Rethink the business - Transformational Impact

New products, services, and markets by combining data transformation with AI/ML, APIs, and collaboration tools leading to *Co-Innovation / Business Transformation*

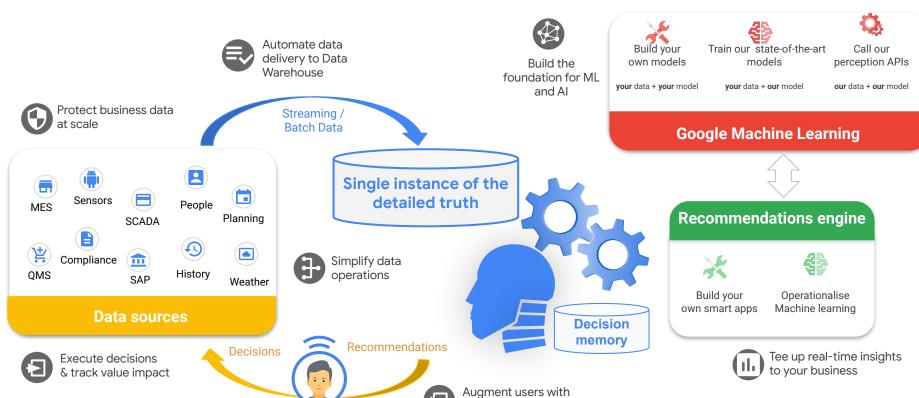
Build new capabilities - Maximize Revenue & Lower Risks

Usage of data analysis to enhance business processes, increase product penetration, improve risk management, etc. thereby improving on *Revenue / Business Cost / Risk Drivers*

"Move & Improve" Data Warehouse Infrastructure - Lower TCO

IT cost reductions due to lower storage and administration costs, improved development time, and enhanced flexibility - *IT Total Cost (TCO) Reduction*

Is fully supported by our Al-ready data solutions

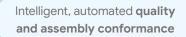


insight based

recommendations

Google Cloud helps you realize your Al vision

Unified data analytics and Al for manufacturing systems



Detection of occupational **health** and safety conformance

Process automation and integration using **Document AI**









Natural language interaction

Intelligent adaptive control to reduce energy consumption

Predictive maintenance for operational excellence

Open digital Ecosystems based on **APIs**









Serverless Compute

Develop, deploy and scale applications fast and securely in a fully managed environment







Fully Managed

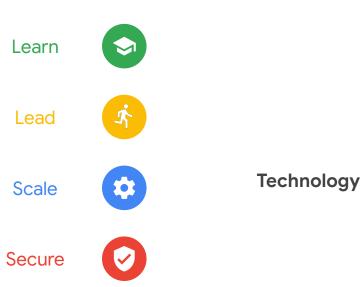
Speed to Market

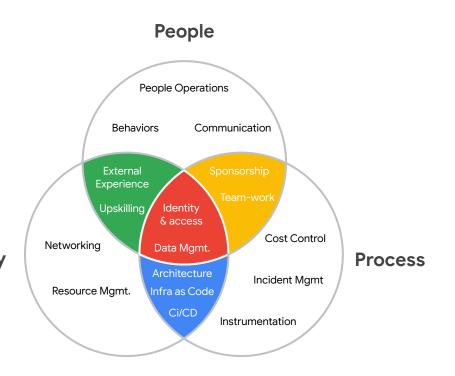




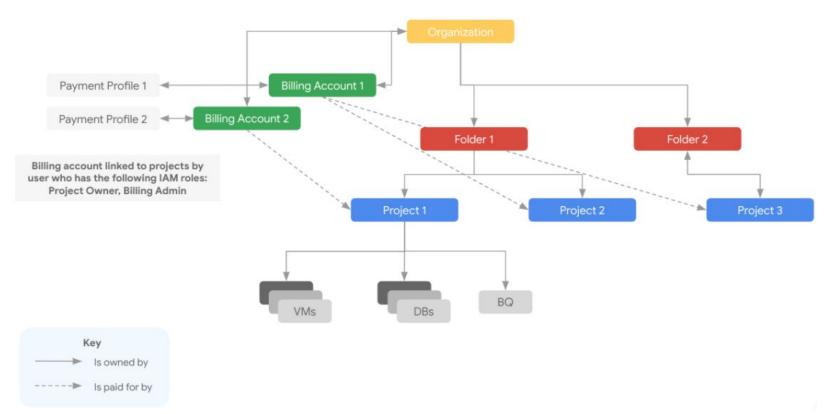
An established model to accelerate migration

The Google Cloud Adoption Framework gives you the tools needed to assess where you are and to help guide your cloud journey.





Landing Zone: Billing resource hierarchy



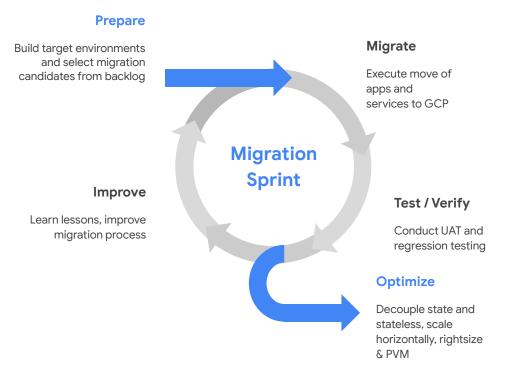
Migration factory

The migration factory is a centralized, top-down, structured approach to migration. The migration factory takes groups of identified applications and migrates them to the cloud in "migration waves"

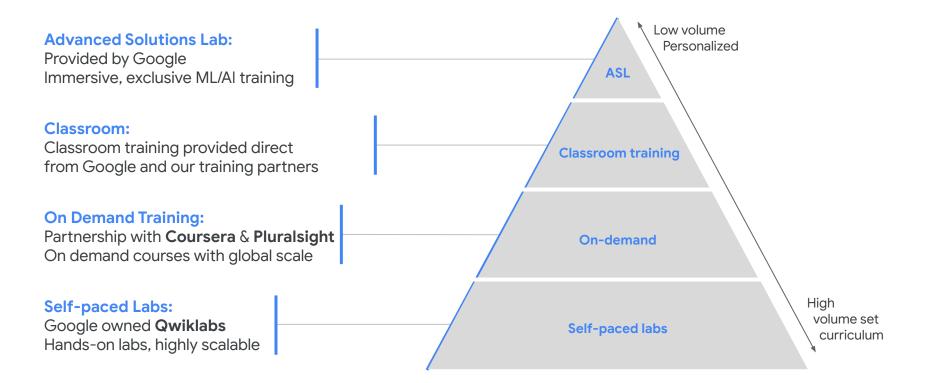


Planning your migration

- Cycles are self-contained groups of apps
- Can be run in sequence or in parallel
- Continual process improvement
- Maintained velocity
- Low-hanging fruit/quick win/rapid start with refining along the way



Google Cloud Learning



Introduction to Google Cloud Professional Services Organisation (PSO)

Technical Account Management

Bring **dedicated Google expertise** to your business challenges, recommending solutions based on proven methodologies and best practices and managing issue escalations.

Digital Transformation

Leverage best practices from Google's **culture**, **SRE**, **and innovation** to help customers build new digital capabilities and adopt Google Cloud technology



Consulting

Support customers to **build**, **deploy**, **scale** and **secure solutions** in GCP through specialist input, best practices and industry insights.

Digital Program Management

Lead, build, mobilise and manage large scale GCP Programs.

Why Google Cloud Professional Services?

Our consultants come to help you scale, not to stay.

Google Cloud's **core business is** consumption **not consulting**.

We're here to encourage and support ramp, adoption and success in the long run by helping you scale your platform and enable your people instead of scaling the numbers of consultants.

Direct Access to Google,
Google's culture and
Googlers.

You work with people who live and breath the Google culture and can bring it to you.

Working with us will grant you access to all parts of the Google organization including our product engineering teams.

Focussed Expertise and proven Approach

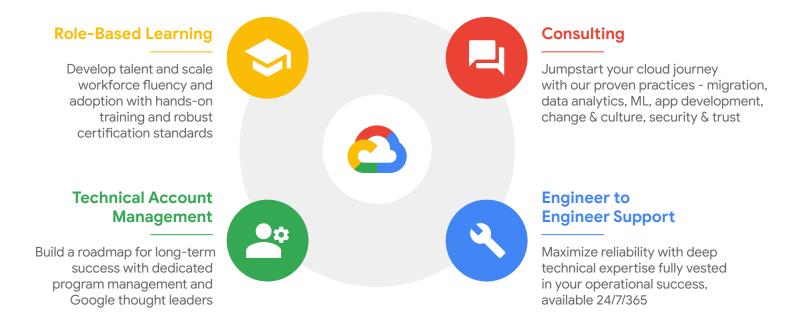
Our staff, part of the 1% of applicants Google hires, is **highly trained** and **exclusively focused** on Google Cloud.

They leverage proven assets and experience built on thousands of cloud projects.

All-in pricing based on engagements

We work with you on a
fixed-price and outcome-base.
This includes all Googlers we'll
need to achieve the outcomes,
their travel costs and a
structured proven approach
including project management.

Our unique services accelerate your transformation



Technical Account Management

Our technical account managers help you get the most out of your Google Cloud investment. This support spans all phases of your journey to Cloud adoption.



Cloud strategy & technical consultancy Cloud strategy (G Suite and GCP), account planning, KPIs



Program management

Program/Project status, architectural best practices, launch planning, issue tracking, escalation management, SME access

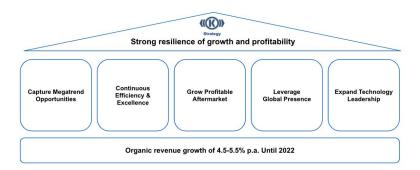


Advocacy & thought leadership

Quarterly business reviews, executive briefings, roadmaps, early access, and product feedback



Knorr-Bremse's priorities...



"We want to be the global driving force behind innovative and sustainable system solutions that make mobility and freight transportation safer, more reliable and more efficient. We ourselves are driven by the desire to add value for our customers while also making a positive contribution to society."





The SDGs inspire us to use our financial strength and capacity for innovation to tackle financial, social and environmental challenges.

Stefan Bräuherr - Head of Corporate Responsibility

... can be supported with the best of Alphabet for Knorr-Bremse



High Performance Analytics

Collaborative Workplace



Augmented Manufacturing







Smart Assistant



Self Driving Car



Health Monitoring

Strategic partnership. Daimler Trucks and Waymo

October 27, 2020 Daimler Trucks and Waymo have signed a broad, global, strategic partnership to deploy autonomous SAE L4 technology

Based on our collaboration with Waymo, we will be in the unique position to be able to provide our fleet customers with a choice among the best solutions for their individual requirements."



Roger Nielsen, Member of the Board of Management of Daimler Truck AG

Two automotive giants are teaming up to bring self-driving semi-trucks to market. Under this deal, **Waymo** and Daimler Trucks are partnering to build an autonomous version of the Freightliner Cascadia truck.



Joint 10 x approach from Data Center Modernisation into new revenue revenue streams along the ecosystem

Operational Excellence

Secure value from IT Modernization and Infrastructure Outsourcing (Focus of this RFP)

Accelerate transformation towards an innovation-centric, digital operating model.

New products and services

Help accelerate transition.

Develop new business models and deliver more personalized products, messages and services for intralogistics and beyond.

Rise of industry value networks

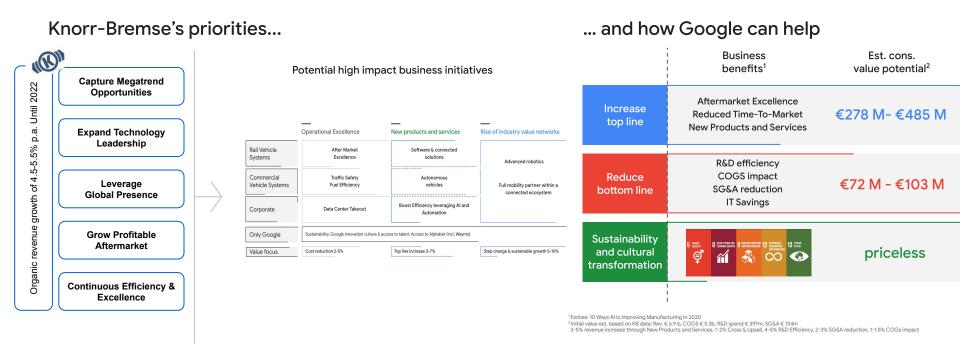
Leverage digital platforms to unlock ecosystems.

Close collaboration with customers, logistic providers, equipment manufacturers and startups to strengthen Knorr Bremse's market position.

Because there's value to be gained along the journey

Potential joint objectives (selection) Operational Excellence Rise of industry value networks New products and services Rail Vehicle Software & connected After Market Excellence solutions **Systems** Advanced robotics Commercial **Traffic Safety** Autonomous Vehicle Systems **Fuel Efficiency** vehicles Full mobility partner within a connected ecosystem **Data Center Takeout** Boost Efficiency leveraging AI and Corporate (Focus of this RFP) Automation Only Google Sustainability, Google innovation culture & access to talent, Access to Alphabet (incl. Waymo) Value focus Cost reduction 2-5% Top line increase 3-7% Step change & sustainable growth 5-10%

Yielding solid financial benefits

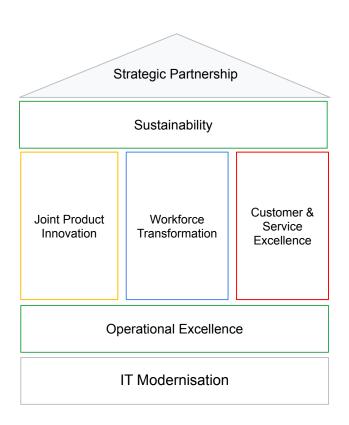


Potential joint collaboration topics (Google view)

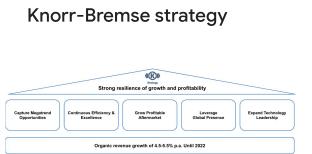








Leveraging a collaborative transformation roadmap and governance







Joint governance



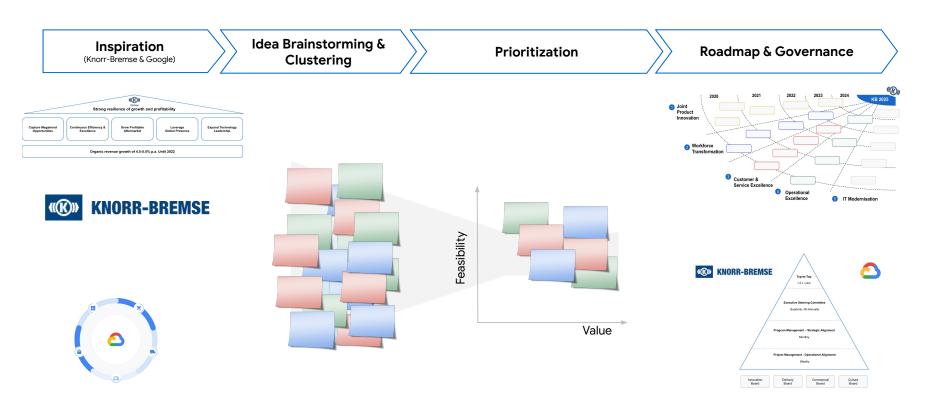








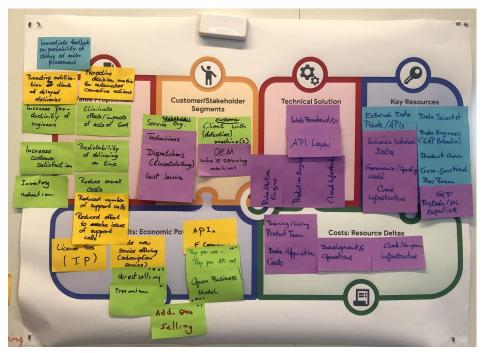
Leveraging a collaborative transformation roadmap and governance



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3i Innovation Workshop Ideate | Iterate | Implement











DRIVING RESPONSIBILITY TOGETHER FOR A SUSTAINABLE FUTURE

Driving

Responsibility

Together



KNORR-BREMSE

We strive to get even better every day

Driving force behind innovative and sustainable system solutions

Making mobility on roads and railways safe, sustainable and environmentally friendly

Excellence – everywhere and all the time

Outstanding employees pave the way to success

Reliability and sustainability in our mindset



Organize the world's information

Develop services that improve the lives of billions of people

Respect the user, respect the team, respect the opportunity

Empower entrepreneurs and companies

Self Driving, Digitization and Data at the heart

Build sustainability into everything we do, create a diverse, inclusive community

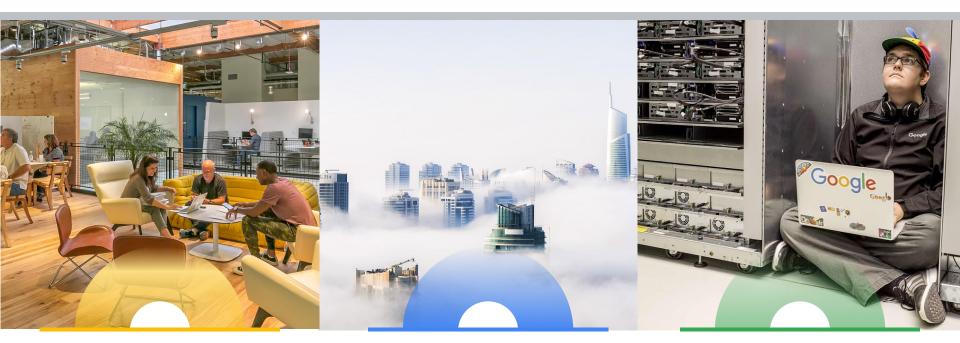


GL/ISS



Grow the Partnership with Google Cloud

This is beyond a Cloud relationship. This is beyond a vendor relationship.



Org constructs

Culture & Organisation Transformation Playbook

Instant & Agile IT

Go all in with Google Cloud

All pervasive data

Journey to become a data driven company

Our beliefs

These are the things that we believe are essential for a transforming organisation to get right









"Driving responsibility - together."