

# **CAPITOLATO TECNICO**

**Novembre 2025**

**Redatto da: Autostrade per l'Italia  
DIDT/BDO/ASSET MANAGEMENT APPS**

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## *Canone servizi Google per Cloud Platform e Maps Platform*

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### **1. Scopo del documento**

Obiettivo del presente documento è descrivere l'oggetto e le modalità di erogazione dei servizi Google Cloud Platform e Google Maps Platform.

### **2. Ruolo Unità Organizzativa coinvolta di Autostrade per l'Italia**

L'unità denominata "DIDT/BDO/ASSET MANAGEMENT APPS" rappresenta la struttura di Autostrade per l'Italia (ASPI) incaricata dell'erogazione dei servizi IT di sviluppo/manutenzione relativamente alle applicazioni gestionali e di base di competenza.

DIDT/BDO/ASSET MANAGEMENT APPS nel caso specifico coordina ed ha la responsabilità in particolare delle attività di diffusione e supporto all'utilizzo dei servizi Google Cloud Platform e Google Maps Platform.

Suddetta Unità, nell'ambito di quanto previsto in tale Capitolato Tecnico, manterrà il ruolo di project management di riferimento.

### **3. Oggetto della fornitura**

Le prestazioni richieste nell'ambito del presente Capitolato Tecnico consistono nella consuntivazione dei consumi effettuati, nel mese di riferimento, da ASPI per l'utilizzo dei servizi Google Cloud Platform e Google Maps Platform e nella corresponsione, con cadenza mensile, del canone in favore di Google LLC per il pagamento dei predetti consumi.

ASPI, infatti, dispone di un account su GCP (385342624908) utilizzato per l'erogazione di servizi interni. Nell'arco della durata contrattuale, ASPI potrà quindi utilizzare i servizi e le risorse fornite da GPC relativamente all'account 385342624908, incrementandone o diminuendone la numerosità secondo le necessità operative.

L'Appaltatore dovrà garantire il pagamento, per conto di ASPI, dei canoni mensili spettanti a Google LLC per i servizi Google Cloud Platform e Google Maps Platform effettivamente utilizzati da ASPI nel mese di riferimento.

Il listino prezzi di riferimento è quello pubblico di GCP (<https://cloud.google.com/pricing/list?hl=it>).

Ai prezzi di listino vigenti nel periodo di riferimento, sarà applicato lo sconto offerto in fase di gara da parte dell'Appaltatore.

La tariffazione sarà a consumo sulla base del calcolo effettuato tramite la consolle, con applicazione dell'IVA.

A mero titolo indicativo, si riportano, al successivo capitolo 4, i consumi GCP e Google Maps di ASPI relativi al periodo di riferimento settembre 2024 - dicembre 2024.

I consumi saranno suscettibili di variazioni in aumento o diminuzione, secondo le necessità operative.

L'Appaltatore presenterà mensilmente il consuntivo dei consumi per permettere la corretta contabilizzazione e il pagamento nel mese successivo. Qualora i consumi del mese successivo dovessero superare del 50% la

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baseline storica, costruita dalla media dei mesi precedenti, l'Appaltatore dovrà tempestivamente avvisare ASPI per le verifiche del caso.

L'Appaltatore si impegna ad adottare tutte le misure in termini di riservatezza e sicurezza, come previsto dagli allegati contrattuali.

Per i servizi Google Cloud Platform valgono e devono essere assicurate tutte le rispettive regolamentazioni e certificazioni (Google Cloud Platform, Data Localization, SLA, ecc...) così come pubblicate nel sito ufficiale di Google.

Per i servizi Google Maps Platform valgono e devono essere assicurate tutte le rispettive regolamentazioni e funzionalità così come pubblicate nel sito ufficiale di Google all'indirizzo <https://cloud.google.com/maps-platform/?hl=it>.

I Servizi verranno erogati direttamente da Google nei confronti di ASPI e l'Appaltatore fungerà, in tal senso, da mero distributore senza alcuna responsabilità in merito ai contenuti ed all'utilizzo dei Servizi stessi.

### 4. Consumi GCP e Google Maps

Il seguente capitolo contiene il dettaglio del periodo settembre 2024 - dicembre 2024 relativamente al consumo su singola SKU dei consumi GCP/Goole Maps, al fine di rendere nota la configurazione attuale in esercizio che potrà essere suscettibile di variazioni in aumento o diminuzione, secondo le necessità operative.

Descrizione servizio	Descrizione SKU	ID SKU	Quantità di utilizzo	Unità di utilizzo
Compute Engine	SSD backed PD Capacity	B188-61DD-52E4	29.518,69	gibibyte month
Compute Engine	Storage PD Capacity	D973-5D65-BAB2	97.433,56	gibibyte month
Compute Engine	N2 Instance Core running in EMEA	9F61-45D7-D4FB	92.940,83	Hour
Compute Engine	N1 Predefined Instance Core running in EMEA	9431-52B1-2C4F	51.751,50	Hour
Compute Engine	Balanced PD Capacity	6AE1-525F-8B80	10.712,77	gibibyte month
Compute Engine	Storage PD Snapshot in European Union	9ECE-16D9-A2B4	34.121,21	gibibyte month
Compute Engine	Custom Instance Core running in EMEA	606D-D514-8E64	23.235,21	Hour
Cloud Vision API	Object Localization Operations	3436-E958-4E83	194.823,00	Count
Cloud Storage	Standard Storage Belgium	A703-5CB6-E0BF	19.875,84	gibibyte month
Compute Engine	N2 Instance Ram running in EMEA	A109-54C1-7CB0	92.940,83	gibibyte hour
Cloud Vision API	Face Detection Operations	1777-AA38-6521	194.823,00	Count
Compute Engine	Storage PD Snapshot	817F-F5A3-514E		gibibyte

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			10.748,46	month
Compute Engine	Storage Image	DAA2-253C-6680	5.176,41	gibibyte month
Compute Engine	N1 Predefined Instance Ram running in EMEA	39F4-0112-6F39	46.576,03	gibibyte hour
Compute Engine	E2 Instance Core running in EMEA	9FE0-8F60-A9F0	6.534,92	Hour
Compute Engine	Custom Instance Ram running in EMEA	0F35-41DB-4950	43.566,01	gibibyte hour
Networking	Networking Cloud VPN Tunnel Europewest1	1672-FC1D-ADA2	2.903,53	Hour
Compute Engine	E2 Instance Ram running in EMEA	F268-6CE7-AC16	26.139,69	gibibyte hour
Networking	Cloud Load Balancer Forwarding Rule Minimum Global	DEE3-C42E-3E4D	2.903,45	Hour
Cloud Storage	Standard Storage Europe Multi-region	EC40-8747-D6FF	2.217,10	gibibyte month
Compute Engine	Small Instance with 1 VCPU running in EMEA	0DA7-1812-F2F5	2.904,40	Hour
Networking	Firewall Policy coverage charge for large Firewall Policies (with more than 500 attributes)	8EA3-7B5E-A107	33,37	Month
Compute Engine	Network Internet Data Transfer Out from EMEA to EMEA	5B70-B2D6-B4FC	318,24	Gibibyte
Cloud Storage	Download Worldwide Destinations (excluding Asia & Australia)	22EB-AAE8-FBCD	614,22	Gibibyte
Cloud Storage	Regional Standard Class A Operations	4DBF-185F-A415	5.945.884,00	Count
Cloud Storage	Nearline Storage Belgium	D78D-ECDE-752A	2.699,31	gibibyte month
Cloud Functions	CPU Time	C024-9C10-2A5B	3.486.568,34	GHz- second
Compute Engine	External IP Charge on a Standard VM	C054-7F72-A02E	7.426,02	Hour
Cloud Monitoring	Metric Volume	A924-09D0-8854	663,37	mebibyte
Cloud Storage	Standard Storage Netherlands	89D8-0CF9-9F2E	571,55	gibibyte month
Networking	Networking Cloud NAT IP Usage	8515-9425-D2CE	2.903,00	hour
Cloud Storage	Multi-Region Standard Class A Operations	9ADA-9AED-1B24	1.782.035,00	count
Networking	Networking Cloud Nat Gateway Uptime	32E2-4EFC-EF9F	5.807,14	hour
Maps API	Dynamic Maps	FAF4-3B2D-51B2	74.719,00	map loads

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Cloud Vision API	Crop Hints Operations	5B69-E97C-1E54	5.734,00	count
Cloud Functions	Idle Min-Instance Memory Allocation Time	6151-484F-6927	2.612.693,51	gibibyte second
Cloud Functions	Idle Min-Instance CPU Allocation Time	FE60-C8F0-3162	4.180.309,62	GHz-second
Networking	Global External Application Load Balancer Outbound Data Processing for Belgium (europe-west1)	8AE2-BE75-D426	336,92	gibibyte
Compute Engine	Storage Machine Image	A652-E97D-AB77	47,84	gibibyte month
Cloud Functions	Memory Time	F01C-3EA0-06CD	2.258.372,45	gibibyte second
Compute Engine	Storage Machine Image in European Union	80E5-E18F-9FA4	47,24	gibibyte month
Geocoding API	Geocoding	BAC8-4E68-E261	35.275,00	requests
Cloud Storage	Regional Standard Class B Operations	7870-010B-2763	2.140.892,00	count
Maps API	Dynamic Street View	658E-F885-E11A	3.510,00	views
Networking	Global External Application Load Balancer Inbound Data Processing for Belgium (europe-west1)	352B-4670-13F6	84,62	gibibyte
Cloud Storage	Multi-Region Standard Class B Operations	8AE7-5BBD-8F38	878.723,00	count
App Engine	Cloud Firestore Storage Frankfurt	82DB-114D-ADD9	6,07	gibibyte month
Compute Engine	Network Internet Data Transfer Out from EMEA to Americas	A259-FE21-4125	0,53	gibibyte
Compute Engine	Network Internet Data Transfer Out from Belgium to Apac(Excluding Korea and Indonesia)	6AA7-5747-901F	0,44	gibibyte
App Engine	Cloud Firestore Entity Writes Frankfurt	F6B0-032C-DA87	73.680,00	count
App Engine	Cloud Firestore Read Ops Frankfurt	2F48-F782-6581	215.908,00	count
Vertex AI	Metadata storage	AEEB-1CC1-1A3A	0,00	GB months
Compute Engine	Network Vpn Internet Data Transfer Out from EMEA to EMEA	247D-C1BA-66B7	0,30	gibibyte
Compute Engine	Network Internet Data Transfer Out from EMEA to APAC	D35A-2EF8-B634	0,20	gibibyte
Networking	Networking Cloud Nat Data Processing	015F-5732-FFF0	0,52	gibibyte
Compute Engine	Network Internet Data Transfer Out from	46B9-1615-B526		gibibyte

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	EMEA to China		0,09	
Places API	Autocomplete without Places Details - Per Session	B52C-8320-6DC5	55,00	sessions
Places API	Places Details	FC5C-DF28-543F	162,00	requests
Compute Engine	Network Internet Data Transfer Out from EMEA to Australia	2F2A-EFB5-F751	0,06	gibibyte
Directions API	Directions	28A8-3EB4-4595	216,00	requests
Distance Matrix API	Distance Matrix	C1B6-FF9D-7700	216,00	elements
Cloud Pub/Sub	Inter-region data delivery from EMEA to EMEA	9CFC-8FC8-FD42	0,33	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Frankfurt	C581-CEAA-76D6	0,32	gibibyte
Compute Engine	Network Internet Data Transfer Out from EMEA to South America	B0B5-9B07-F60F	0,04	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Milan	6323-F7E3-4FBF	0,12	gibibyte
Compute Engine	Network Data Transfer Out via Carrier Peering Network - EMEA Based	F603-6008-38E5	0,02	gibibyte
Cloud Storage	Standard Storage Frankfurt	F272-7933-F065	0,03	gibibyte month
Compute Engine	Network Internet Data Transfer Out from EMEA to Africa	0D60-7830-71D5	0,01	gibibyte
Compute Engine	Network Internet Data Transfer Out from EMEA to Middle East	FCF4-F663-671F	0,00	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Americas	4EA8-4296-E5E2	0,01	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Zurich	DFD4-1DAF-679F	0,01	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to APAC	4745-5707-9B6E	0,00	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Mumbai	67D5-2929-3005	0,00	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Singapore	ECF5-FFCC-8269	0,00	gibibyte
Cloud Storage	Network Data Transfer GCP Inter Region within Europe	68F8-91DC-CFA9	0,01	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Jakarta	37C7-4A4E-D3E2	0,00	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Hong Kong	C83E-07CB-BA4B	0,00	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Santiago	F8B2-4024-BE6B	-	gibibyte
Compute Engine	Network Inter Zone Data Transfer Out	DE9E-AFBC-A15A		gibibyte

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			0,02	
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Delhi	1535-9098-06B9	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Virginia	28EF-5B5C-4BCC	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Sao Paulo	E1A7-55AA-0515	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Seoul	EAF0-2639-CAD9	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Japan	373B-4B7D-E110	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Las Vegas	AA81-283B-2388	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Madrid	FB07-5F6E-6F87	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Finland	49A7-70D1-142A	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Los Angeles	5DD7-5543-2299	-	gibibyte
Maps API	Mobile Native Dynamic Maps	6DE1-4D9C-5B67	2.773,00	views
Places API	Autocomplete - Per Request	7384-2DE4-D388	91,00	requests
Places API	Basic Data	75D4-C522-326B	162,00	count
Places API	Autocomplete (included with Places Details) - Per Session	E9C9-934B-DDB1	161,00	sessions
BigQuery	Long Term Logical Storage	993F-6B6B-DCC4	0,00	gibibyte month
Cloud Functions	Invocations	8E10-82EB-6917	292.614,00	invocations
Cloud Functions	Network Data Transfer Out from europe-west1	AD9F-067C-A745	0,03	gibibyte
Cloud Logging	Log Storage cost	143F-A1B0-E0BE	7,25	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Japan to EMEA	015A-0CE1-E4FB	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Netherlands	0B3F-D460-2474	-	gibibyte
Compute Engine	Licensing Fee for Debian 10 Buster (CPU cost)	0C5C-D8E4-38C1	2.903,00	hour
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Toronto	0CB4-85E6-2C38	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Doha	0E2D-9B1F-7789	-	gibibyte
Compute Engine	Network Internet Data Transfer In from	10C4-2156-01D6		gibibyte

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	EMEA to EMEA		16,04	
Compute Engine	Network Intra Zone Data Transfer Out	14F9-7705-2FD4	4.496,92	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Turin to EMEA	1884-F78F-706C	-	gibibyte
Compute Engine	Network Internet Data Transfer In from APAC to EMEA	1AB6-5F8A-9A79	0,17	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Mumbai to EMEA	23EC-5960-0AA0	0,00	gibibyte
Compute Engine	Licensing Fee for Ubuntu 16.04 (Xenial Xerus) (CPU cost)	2A23-096B-A372	7.426,02	hour
Compute Engine	Licensing Fee for Ubuntu 18.04 LTS (Bionic Beaver) (RAM cost)	2C7B-35C6-FB5F	11.617,60	gibibyte hour
Compute Engine	Network Inter Region Data Transfer In from Americas to EMEA	2F71-7905-9E49	0,04	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Osaka	2FD3-695F-06FB	-	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Madrid to EMEA	34B4-E6F6-8343	-	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Zurich to EMEA	34DE-41C9-FB4F	0,00	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Dammam to EMEA	3790-46E8-2097	-	gibibyte
Compute Engine	Licensing Fee for Container-Optimized OS - PCID Whitelisted (RAM cost)	3D41-4308-45C0	8.635,18	gibibyte hour
Compute Engine	Network Inter Region Data Transfer In from Columbus to EMEA	40CC-89F9-AE13	-	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Johannesburg to EMEA	4478-0924-D992	-	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Milan to EMEA	4953-F82C-2F59	0,01	gibibyte
Compute Engine	Network VPN Intra Region Data Transfer	4BEF-C75E-0C60	0,42	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Turin	4F85-92CC-74FE	-	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Paris to EMEA	55B1-30C5-9C0D	-	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Seoul to EMEA	5733-94DB-0950	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Melbourne	57E2-F1B3-91DA	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Berlin	5AF1-55AF-39CD	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Dallas	5D56-46E1-75FA	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out	5DBF-1A0C-CE89		gibibyte

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	from EMEA to Israel		-	
Compute Engine	Network Inter Region Data Transfer Out from EMEA to London	63BA-E9A4-2E3E	0,00	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Singapore to EMEA	6532-BA4E-165E	0,00	gibibyte
Compute Engine	Network Internet Data Transfer In from Middle East to EMEA	67B1-F584-7A72	0,00	gibibyte
Compute Engine	Network Data Transfer to Google Services from EMEA to EMEA	6A43-0244-4A9C	158,91	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Israel to EMEA	6AD1-2272-EA3F	-	gibibyte
Compute Engine	Network HTTP Load Balancing Data Transfer Out to Load Balancer	6C67-1253-BB04	509,51	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Osaka to EMEA	7339-F476-0C90	-	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Finland to EMEA	7401-3A8B-CACC	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Paris	746E-A630-B5B2	-	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Los Angeles to EMEA	74C3-7156-2C0C	-	gibibyte
Compute Engine	Network HTTP Load Balancing Data Transfer In from Load Balancer	761A-BA86-D467	142,01	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Warsaw to EMEA	76E4-D3FD-6F49	-	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Berlin to EMEA	8248-529D-B394	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Columbus	8881-365F-CFF9	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Sydney	88D0-9DC0-C0EC	-	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Las Vegas to EMEA	915E-31D2-307E	-	gibibyte
Compute Engine	Licensing Fee for Ubuntu 16.04 (Xenial Xerus) (RAM cost)	9169-5341-635D	183.082,46	gibibyte hour
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Johannesburg	93CC-5D6C-DCB6	-	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Salt Lake City to EMEA	95D7-25AD-EBF4	-	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Salt Lake City	9BB2-760D-21BB	-	gibibyte
Compute Engine	Network Intra Zone Data Transfer In	9C76-A3FB-C60A	4.488,82	gibibyte
Compute Engine	Licensing Fee for Ubuntu 18.04 LTS (Bionic Beaver) (CPU cost)	A227-50BC-4E7E	2.904,40	hour
Compute Engine	Network Inter Region Data Transfer In from	A4A0-56F9-390A		gibibyte

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	Delhi to EMEA		-	
Compute Engine	Network Inter Region Data Transfer In from Dallas to EMEA	A4A8-E923-CD5A	-	gibibyte
Compute Engine	Network Internet Data Transfer In from China to EMEA	A786-20CE-5AAC	0,10	gibibyte
Compute Engine	Network Internet Data Transfer In from Australia to EMEA	A9BD-1F37-B3BA	0,07	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Virginia to EMEA	AF69-B2E4-2D67	-	gibibyte
Compute Engine	Licensing Fee for Shielded COS (RAM cost)	B0B5-6E19-13AE	8.637,09	gibibyte hour
Compute Engine	Network Inter Region Data Transfer In from Jakarta to EMEA	B53A-FB7E-F1F2	0,00	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Doha to EMEA	BC06-5C7F-8245	-	gibibyte
Compute Engine	Licensing Fee for Debian 8 Jessie on g1-small	BC85-F6BC-D688	2.904,40	hour
Compute Engine	Network Inter Region Data Transfer In from Netherlands to EMEA	BD4D-9347-1509	-	gibibyte
Compute Engine	Licensing Fee for Debian 10 Buster (CPU cost)	C0CF-3E3B-57FB	2.904,40	hour
Compute Engine	Network Inter Region Data Transfer In from Sao Paulo to EMEA	C9AD-A5FA-D0AE	-	gibibyte
Compute Engine	Network Data Transfer In via Carrier Peering Network - EMEA Based	CCB8-0A9C-50FA	0,00	gibibyte
Compute Engine	Licensing Fee for Debian 10 Buster (RAM cost)	CD20-B4CA-0F7C	5.808,80	gibibyte hour
Compute Engine	Network Inter Zone Data Transfer In	D0CC-50DF-59D2	0,94	gibibyte
Compute Engine	Licensing Fee for Ubuntu 18.04 LTS (Bionic Beaver) (CPU cost)	D2D4-1351-297C	2.904,40	hour
Compute Engine	Network VPN Intra Region Data Transfer In	D31D-6EF4-950B	11,28	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Santiago to EMEA	D4A5-E051-0D84	-	gibibyte
Compute Engine	Network Inter Region Data Transfer In from London to EMEA	D5D0-F2B5-9176	0,03	gibibyte
Compute Engine	Network Internet Data Transfer In from Africa to EMEA	D8CD-8B93-BC37	0,01	gibibyte
Compute Engine	Network Internet Data Transfer In from Americas to EMEA	DC8E-1822-73ED	0,58	gibibyte
Compute Engine	Network Inter Region Data Transfer In from APAC to EMEA	DD20-AC43-4E32	0,00	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Hong Kong to EMEA	DDDA-B39D-DAB0	0,00	gibibyte
Compute Engine	Network Inter Region Data Transfer In from	DEFB-5E95-FEFC		gibibyte

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	Toronto to EMEA		-	
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Montreal	DEFD-7A25-7196	-	gibibyte
Compute Engine	Network Internet Data Transfer In from South America to EMEA	E28E-EE6C-DB12	0,04	gibibyte
Compute Engine	Network Internet Data Transfer In from Apac(Excluding Korea and Indonesia) to Belgium	E2FC-6ECB-EB48	0,46	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Melbourne to EMEA	E3FA-2C64-BCFD	-	gibibyte
Compute Engine	Multi-regional Snapshot upload within Europe	E7F1-6532-8F2E	1.087,30	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Montreal to EMEA	E7FF-4690-0EB0	-	gibibyte
Compute Engine	Licensing Fee for Container-Optimized OS from Google (CPU cost)	ECCC-9EE4-AEE4	8.713,29	hour
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Dammam	ECE0-C1D8-9392	-	gibibyte
Compute Engine	Licensing Fee for Ubuntu 16.04 (Xenial Xerus) (CPU cost)	EE6A-FFA3-84D7	167.927,53	hour
Compute Engine	Licensing Fee for Container-Optimized OS from Google (RAM cost)	F239-15CB-5B98	8.713,29	gibibyte hour
Compute Engine	Network Data Transfer In from Google Services from EMEA to EMEA	F456-C31A-8A75	24,50	gibibyte
Compute Engine	Network Inter Region Data Transfer In from Sydney to EMEA	F6B1-E22C-0BBB	-	gibibyte
Compute Engine	Licensing Fee for Container-Optimized OS from Google (CPU cost)	FA27-F4A0-3EE3	2.178,32	hour
Compute Engine	Network Inter Region Data Transfer In from Frankfurt to EMEA	FA90-C77A-09A3	0,01	gibibyte
Compute Engine	Network Inter Region Data Transfer Out from EMEA to Warsaw	FD76-9B2E-156E	-	gibibyte
Cloud Build	Build time e2-standard-2	A464-9020-6404	10,18	minutes of build time
Cloud Storage	Network Data Transfer GAE/Firebase Storage	07A4-C7D5-D204	-	gibibyte
Cloud Storage	Download APAC	1F8B-71B0-3D1B	0,15	gibibyte
Cloud Storage	Upload	8AE5-72D6-F604	2.248,49	gibibyte
Cloud Storage	GCP Storage Data Transfer between Europe and Latin America	96EB-C6ED-FBDE	-	gibibyte
Cloud Storage	GCP Storage Data Transfer between Northern America and Europe	C7FF-4F9E-C0DB	-	gibibyte
Cloud Storage	Network Data Transfer GCP Replication within Europe	CB83-3C2D-160D	19,76	gibibyte

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Cloud Storage	Network Data Transfer GCP Multi-region within Europe	D46A-868A-BBF7	1,01	gibibyte
Cloud Storage	Standard Storage US Regional	E5F0-6A5D-7BAD	-	gibibyte month
Cloud Storage	GCP Storage Data Transfer between Europe and Asia	EF0A-B3BA-32CA	-	gibibyte
Cloud Pub/Sub	Message Delivery Basic	027D-B6C7-CCA2	0,00	tebibyte
Cloud Pub/Sub	Subscriptions message backlog	3EAB-48F3-A0D5	0,01	gibibyte month
Cloud Pub/Sub	Intra-region data delivery	460A-7826-0471	-	gibibyte
Networking	Network Intelligence Center Network Analyzer Resource Hours	9BF8-CD36-F9B8	24.906,00	count
Networking	Network Intelligence Center Internet to Google Cloud Performance Resource Hours	BDBA-22FA-3925	24.906,00	count
Networking	Network Intelligence Center Topology and Google Cloud Performance Resource Hours	D9AD-28F8-05D8	24.906,00	count
Secret Manager	Secret version replica storage	7756-ADEF-84F4	23,42	month
Secret Manager	Secret access operations	EBA7-264F-2D2C	4.622,00	count
App Engine	Cloud Firestore Internet Data Transfer Out from Europe to Europe	AF67-37D0-D91F	0,00	gibibyte
App Engine	Out Bandwidth Frankfurt	B8FD-505F-C5E1	0,05	gibibyte
Cloud Tasks	Operations	378A-D762-1F74	60.813,00	Operations
Cloud Tasks	Cloud Tasks GOOGLE-API Data Transfer Out	FE08-0A74-7AFD	0,01	gibibyte
Cloud Storage	Standard Storage Milan	967B-9AE8-BB04	0,00	gibibyte month
Cloud Storage	Standard Storage US Multi-region	0D5D-6E23-4250	-	gibibyte month

## 5. Livelli di servizio e penali

I servizi dovranno essere eseguiti nel rispetto degli SLA di Google Cloud Platform associati ai singoli servizi e riportati nella pagina <https://cloud.google.com/terms/sla>.

Nel caso di mancato rispetto di detti livelli di servizio, ASPI potrà richiedere all'Appaltatore di attivare la procedura, prevista all'interno di ciascun servizio, per il riconoscimento di un Credito di Servizio.

La determinazione dei Crediti di Servizio, i tempi relativi alla richiesta ed eventuali pagamenti sono indicati nella pagina relativa allo SLA di ciascun servizio.

In caso di conferma, da parte di GPC, dell'inadempimento relativo agli SLA e di ratifica del credito, l'Appaltatore dovrà darne comunicazione ad ASPI e riconoscere il credito richiesto da ASPI nella prima fatturazione utile.

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## **6. Pagamenti**

I corrispettivi spettanti all'Appaltatore verranno definiti sulla base del listino prezzi pubblico di GCP (<https://cloud.google.com/pricing/list?hl=it>).

Ai prezzi di listino, vigenti nel periodo di riferimento, sarà applicato lo sconto offerto in fase di gara da parte dell'Appaltatore.

La tariffazione avverrà sulla base del reale consumo di risorse e servizi GCP calcolato tramite la console Google, con applicazione dell'IVA.

L'Appaltatore emetterà fattura con cadenza mensile.

I pagamenti saranno effettuati a consuntivo, alla fine di ciascun mese di utilizzo, entro 30 (trenta) giorni dal ricevimento della fattura.