

CONCESSIONE

per la realizzazione e gestione di una nuova infrastruttura informatica al servizio della Pubblica Amministrazione denominata Polo Strategico Nazionale ("PSN"), di cui al comma 1 dell'articolo 33-septies del d.l. n. 179 del 2012.

ALLEGATO C

OFFERTA ECONOMICA DEL FORNITORE – CATALOGO DEI SERVIZI

Oggetto dell'Allegato

Il presente allegato è costituito dai seguenti annessi:

- Annesso 1: Offerta economica del Fornitore – Catalogo dei Servizi;
- Annesso 2: Offerta economica del Fornitore - dettagli del Listino 1.

Listino 1

Hybrid Cloud on PSN site

Tipologia	Elemento	CORE	RAM	vCPU	vRAM	Storage	
Compute	Server 2-processore 26 core 768 GB RAM 24 TB Disco (o equivalente)	52	768			48000 + 9600	Azure Stack HCI + Azure ARC basato su Cluster SDDC basato su nodi processore fisico 26 core 2,70 Ghz, o equivalente Storage Hyperconverged ibrido (6 x 1.6 TB SAS SSD Write-Intensive 12 x 4 TB 7.2K SAS) Infrastruttura di rete ethernet 10/25 Gbps Include Licenze di virtualizzazione (Compute, Network & Storage) Gestione sistemistica e monitoraggio di sicurezza fino all'hypervisor e integrazione
Policy	Server						Policy per server
Kubernetes	vCPU			1			
SQL Data services	vCPU			1			Postgres o Sql server
Monitoring	GB						GB di log analizzati al giorno

TOT Hybrid Cloud on PSN site

Quantità	Canone Annuale	P X Q	Sconto %	Sconto €	Canone Annuale Scontato	Pscontato X Q	Sconto totale
3.089	57.883 €	178.790.938 €	7,00%	4.052 €	53.832 €	166.275.572 €	12.515.366 €
33.393	86 €	2.857.930 €	7,00%	6 €	80 €	2.657.875 €	200.055 €
53.428	29 €	1.545.568 €	7,00%	2 €	27 €	1.437.379 €	108.190 €
10.018	2.213 €	22.168.389 €	7,00%	155 €	2.058 €	20.616.602 €	1.551.787 €
14.609	1.322 €	19.319.902 €	7,00%	93 €	1.230 €	17.967.509 €	1.352.393 €
		224.682.728 €	7,00%			208.954.937 €	15.727.791 €

Secure Public Cloud (1)

Tipologia	Elemento						
Progetto Cloud 1							
Progetto Cloud 2							

Tot Secure Public Cloud

Quantità	Canone Annuale	P X Q	Sconto %	Sconto €	Canone Annuale Scontato	Pscontato X Q	Sconto totale
694	550.531 €	382.290.699 €	7,00%	38.537 €	511.994 €	355.530.350 €	26.760.349 €
477	342.591 €	163.553.812 €	7,00%	23.981 €	318.610 €	152.105.046 €	11.448.767 €
		545.844.511 €	7,00%			507.635.395 €	38.209.116 €

Public Cloud PSN managed (2)

Tipologia	Elemento						
CLUSTER 1							
CLUSTER 2							
CLUSTER 3							
CLUSTER 4							
CLUSTER 5*							

Tot Public Cloud PSN managed

Quantità	Canone Annuale	P X Q	Sconto %	Sconto €	Canone Annuale Scontato	Pscontato X Q	Sconto totale
67	590.778 €	39.774.566 €	30,00%	177.233	413.545 €	27.842.196 €	11.932.370 €
96	490.747 €	46.880.960 €	30,00%	147.224	343.523 €	32.816.672 €	14.064.288 €
96	500.359 €	47.799.157 €	30,00%	150.108	350.251 €	33.459.410 €	14.339.747 €
96	1.113.436 €	106.366.305 €	30,00%	334.031	779.405 €	74.456.413 €	31.909.891 €
91	918.730 €	83.586.713 €	30,00%	275.619	643.111 €	58.510.699 €	25.076.014 €
		324.407.700 €	30,00%			227.085.390 €	97.322.310 €
		2.810.551.800 €	33,61%			1.865.882.060 €	944.669.740 €

TOTALE LISTINO 1

(1) per i dettagli dei progetti fare riferimento al documento "listino", allegato n

(2) per i dettagli dei Cluster fare riferimento al documento "listino", allegato n

*Il valore totale del Cluster 5 è stato corretto rispetto al listino originario al fine di correggere il calcolo

Listino 3

Tipologia MIGRAZIONE	Figura	Attività
Figura professionale	Cloud Application Architect (tariffa giorno/persona)	Migrazione
Figura professionale	Database Specialist and Administrator (tariffa giorno/persona)	Migrazione
Figura professionale	System Integrator & Testing Specialist (tariffa giorno/persona)	Migrazione
Figura professionale	Cloud Application Specialist (tariffa giorno/persona)	Migrazione
Figura professionale	Cloud Security Specialist (tariffa giorno/persona)	Migrazione
Figura professionale	Enterprise Architect (tariffa giorno/persona)	Migrazione

Totale LISTINO 3

Quantità	Canone
50.407	651 €
75.611	419 €
151.222	353 €
100.814	530 €
75.611	419 €
50.407	698 €

P X Q
32.815.083 €
31.680.921 €
53.381.217 €
53.431.625 €
31.680.921 €
35.184.221 €

238.173.987 €

Sconto %	Sconto unitario €	Canone Annuale Scontato	Pscontato X Q	Sconto totale
40,50%	264 €	387 €	19.524.974 €	13.290.108 €
40,50%	170 €	249 €	18.850.148 €	12.830.773 €
40,50%	143 €	210 €	31.761.824 €	21.619.393 €
40,50%	215 €	315 €	31.791.817 €	21.639.808 €
40,50%	170 €	249 €	18.850.148 €	12.830.773 €
40,50%	283 €	415 €	20.934.611 €	14.249.609 €

40,50%

141.713.522 €

96.460.465 €

Macrotipologia	Tipo	Tipologia	Tipo	Quantità	Listino PSN	Indicazione Servizio Public Cloud di riferimento
Compute & Network	Compute (Production) Riservate 3 anni	VM "convenzionali"	c1r2	3	228,55 €	F1s
			c1r4	5	286,47 €	F2s v2
			c2r4	6	286,47 €	F2s v2
			c2r8	8	426,57 €	D2sv3
			c2r16	10	468,21 €	E2s v4
			c4r8	10	567,53 €	F4s v2
			c4r16	11	853,45 €	D4sv3
			c4r32	10	936,42 €	E4s v4
			c8r16	9	1.134,75 €	F8s v2
			c8r32	7	1.706,91 €	D8sv3
			c8r64	6	1.872,85 €	E8s v4
			c16r32	5	2.269,50 €	F16s v2
			c16r64	4	3.413,51 €	D16s v3
			VM Confidential	c1r4	3	651,21 €
		c2r8		6	1.302,81 €	DC2s v2
		c4r16		11	2.605,23 €	DC4s v2
		c8r32		7	5.210,98 €	Dc8s V2
		CaaS convenzionale	c4r16	8	853,45 €	D4sv3
		CaaS Confidential	c4r16	8	2.605,23 €	DC4s v2
		MS SQL server convenzionale	serverless 4-core 500 GB con	1	18.516,39 €	SQL MI BC LRS - 512GB con Licenza - 3Y RI
	PostgreSQL convenzionale	4-core 500 GB con licenza	1	4.113,37 €	Azure Database for PostgreSQL - 500GB	
	Machine Learning	c4r16	4	861,65 €	Azure machine learning D4sv3	
	Artificial Intelligence - Speech-to-Text	300 Hrs/month	1	3.310,88 €	Azure Cognitive Services - AAA-92197	
	Web App -aaS	c4r8	3	9.796,52 €	App Service Windows - Isolated v2 (I3) RI 3Y	
	Compute a consumo(Altri ambienti)	VM "convenzionali"	c1r2	1	437,88 €	F1s
			c1r4	1	759,63 €	F2s v2
			c2r4	1	759,63 €	F2s v2
			c2r8	1	923,30 €	D2sv3
			c2r16	1	1.171,95 €	E2s v4
			c4r8	1	1.499,22 €	F4s v2
			c4r16	1	1.846,60 €	D4sv3
			c4r32	1	2.343,90 €	E4s v4
c8r16			1	2.989,29 €	F8s v2	
c8r32			1	3.702,33 €	D8sv3	
c8r64			1	4.686,88 €	E8s v4	
c16r32			1	5.987,72 €	F16s v2	
c16r64			1	7.404,67 €	D16s v3	
VM "confidential"			c1r4	1	1.039,38 €	DC1s v2
		c2r8	1	2.066,24 €	DC2s v2	
		c4r16	1	4.156,28 €	DC4s v2	
		c8r32	1	8.310,06 €	Dc8s V2	
Storage		Managed Disks	dischi SSD Standard (128 GB)	138	101,43 €	E10 (AAD-36603)
Storage		Managed Disks	dischi SSD Premium (128 GB)	138	228,91 €	P10 (AAD-18125)
		Connection Gateway	ore di servizio	8760	0,56 €	ExpressRoute Gateway - ErGw2AZ - Gateway

SECURE PUBLIC CLOUD

Microsoft Azure West Europe

Macrotipologia	Tipo	Tipologia	Tipo	Quantità	Listino PSN	Indicazione Servizio Public Cloud di riferimento
	Network	Bandwidth (GB/anno)	GB per anno	24000	0,02 €	ExpressRoute - Metered Data Data Transfer Out - Zone 1
		Speed (Gbs)	Giorni di accensione	365	24,75 €	ExpressRoute - Standard - Metered Data - 2 Gbps Circuit - Zone 1
		Bandwidth Internet (TB/anno)	TB annui	12	77,00 €	Bandwidth - Routing Preference: Microsoft Global network - Data Transfer Out - Zone 1
Public Cloud Security & Backup	Defense in Depth	XDR per Servers	istanze	138	154,15 €	Azure Defender for servers - Standard - Nodes
		XDR per SQL	istanze	6	158,41 €	Azure Defender for SQL - Standard Node - Istanze/mese
		XDR per Storage	1M Transazioni Standard per	140,5	21,16 €	Azure Defender for Storage - Standard Transactions
		XDR per Kubernetes	vCore	64	20,75 €	Azure Defender for Kubernetes - Standard Cores
		XDR per container registry	100 immagini standard	1	25,53 €	Azure Defender for container registries - Standard Images
	SIEM	XDR per Key Vault	1M Transazioni Standard	2	17,59 €	Azure Defender for Key Vault - Standard Transactions
		SIEM service	GB per giorno	31,74	823,74 €	Sentinel - Analysis - EU West (stima per 40 GB al giorno)
		SIEM Data Ingestion	GB per giorno	31,74	789,43 €	Log Analytics - Data Ingestion - EU West
	Monitor	SIEM Data retention (6 mesi)	GB per giorno	31,74	125,23 €	3 mesi gratuiti di retention per Sentinel
		Monitor VM Data ingestion	GB per giorno	31,74	789,43 €	Log Analytics - Data Ingestion - EU West
	Firewall	Monitor Data retention (1 mesi)	GB per giorno	1	- €	1 mese gratuito di retention per LogAnalytics
		Deployment	Istanze	1	13.490,95 €	Azure FW Premium (AAF-69092)
	Cloud Backup	Data managed	TB mese	6	173,06 €	Azure FW Premium - Data Processed (6TB mese) (AAF-69161)
		Istanze Protette	Numero VM	138	106,19 €	
		Storage occupato	GB	35328	0,25 €	
PSN Security & Backup	Professional Services	10 giorni/mese (Security Posture, Policy Verification)				
	Key Vault	Managed HSM and AKV operations (HSM on premise)				
	Backup on premise	Storage				
	Additional Security					
				TOTALE Progetto Cloud 1	511.994	

SECURE PUBLIC CLOUD

GPC

Macrotipologia	Tipo	Tipologia	Tipo	Quantità	Listino PSN	Indicazione Servizio Public Cloud di riferimento	
Compute & Network	Compute (Production) riservate a 3 anni	VM "convenzionali",	c1r4	4	177,93 €	n1-standard-1	
			c2r4	5	125,50 €	e2-medium	
			c2r8	6	251,00 €	e2-standard-2	
			c2r16	7	338,62 €	e2-highmem-2	
			c4r16	9	695,21 €	c2-standard-4	
			c4r32	8	677,24 €	e2-highmem-4	
			c8r32	7	1.390,54 €	c2-standard-8	
			c8r64	6	1.354,61 €	e2-highmem-8	
		c16r64	4	2.780,95 €	c2-standard-16		
		VM Confidential	c1r4	3	241,74 €	n1-standard-1	
			c2r8	6	378,64 €	e2-standard-2	
			c4r16	9	982,87 €	n2-standard-4	
			c8r32	6	1.776,44 €	n2d-standard-8	
		CaaS convenzionale	c4r16	6	1.293,87 €	n2-standard-4	
	CaaS Confidential	c4r16	6	1.549,15 €	n2-standard-4		
	PostgreSQL convenzionale	4-core 500 GB con licenza	1	1.862,48 €	db-standard-4		
	Compute a consumo(Altri ambienti)	VM "convenzionali"	c1r4	1	276,79 €	db-standard-4	
			c2r4	1	278,99 €	c2-standard-4	
			c2r8	1	557,85 €	Speech-to-Text	
			c4r16	1	752,52 €	n1-standard-1	
			c4r32	1	1.505,04 €	e2-medium	
			c8r32	1	2.263,55 €	e2-highmem-2	
			c16r64	1	4.462,69 €	e2-highmem-4	
		VM "confidential"	c2r8	1	2.251,33 €	n2d-standard-8	
			c4r16	1	3.010,20 €	e2-highmem-8	
	Storage	Managed Disks	dischi SSD Standard (128 GB)	280	55,57 €		
	Network	Networking Cloud Load Balancing HTTPS External Regional Forwarding Rule Europe	rule (per day per project)	5	89,21 €	5 LB	
Cloud Interconnect for MPS - 10Gbps Pa			circuiti	1	18.287,53 €	1	
Cloud Interconnect for MPS - 10Gbps Partner circuit			vlan attachment	2	446,04 €	2 vlan attachment	
Egress to EMEA			gigabyte	12000	0,18 €	1TB mese	
Public Cloud Security & Backup	Web Protection	Policy	number policy	25	52,86 €	Cloud Armon Policies	
		Rules	number rules	25	10,57 €	Cloud Armor rules	
		Incoming Request	million request	5	7,93 €	Cloud Armor incoming request	
		Chapcha	1000 requests	4000	0,01 €	recapcha	
		Container Analysis	scanned image	150	2,75 €		
	SIEM	User Monitoring	user	1000	37,68 €	Chronicle	
		Daily Data Volume	20 gigabyte	5	5.689,95 €	Security Command Center Premium Tier	
	Data Loss Prevention	Storage Bytes Inspected (fino a 51,200 G	gigabyte	50	9,85 €		
			Storage Bytes Inspected (51,200 GiB - 51	gigabyte	450	7,39 €	
			Storage Bytes Inspected (>512,000 gibib	gigabyte	4550	5,91 €	
			Storage Bytes Transformed (fino a 51,200	gigabyte	50	9,85 €	

SECURE PUBLIC CLOUD
GPC

Macrotipologia	Tipo	Tipologia	Tipo	Quantità	Listino PSN	Indicazione Servizio Public Cloud di riferimento
		Storage Bytes Transformed (>512,000 gi	gigabyte	950	5,91 €	
	Monitor	Logging ingestion	gigabyte	1224	5,69 €	
		Logging storage	gigabyte	979,2	0,10 €	
		Cloud Monitoring	(5K metric size, 60 metric x h		510	0,48 €
	IAM	Active directory	quantity	2	3.086,92 €	
	Backup	Storage occupato	GB	26112	0,48 €	Actilio
PSN Security & Backup	Professional Services	10 giorni/mese (Security Posture, Policy Verification)				
	Key Vault	Managed HSM and AKV operations (HSN	Secret manager (100 secret, 100K ops, 1200 mese)			
	Backup on premise	Storage				
	Addicional Security	GPC Access Transparency, GPC Access Approval, Assurant Personnel Controls, Key Access Justifications		10	4.760,38 €	
TOTALE Progetto Cloud 2					318.610	

Per l'elenco completo delle voci di listino si faccia riferimento alla documentazione di gara "Proposta PSN-Listino servizi 2.0", Guida Secure Public Cloud

PUBLIC CLOUD PSN MANAGED

Tipo	Tipologia	Tipo	Unit	Time	Applicazione tradizionale medio piccola	Applicazione tradizionale con molta memoria + NAS	Simulazione applicazione cloud native microservizi	Applicazione cloud native microservizi in PaaS	Applicazione analisi fatture basata su Document AI	Applicazione di prenotazioni appuntamenti (i.e. CUP) basata su Conversazionale AI	Serverless Analytics a Consumo con Dashboard di visualizzazione	Applicazione Serverless Analytics Flat con Dashboard di visualizzazione	Applicazione PaaS per gestire appuntamenti via web	Soluzione DevOps CI/CD	Applicazione con molta memoria ed Exadata	Prezzo servizio esposto dal PSN annuo		
Licensed Cloud Hyperscaler Technology	vCPUs (vCPU/hour). Commitment 3 anni	General Purpose N2	vCPU	Hour		24	24								2	96	118,98 €	
		Compute optimized	vCPU	hour	8													113,69 €
		Memory-optimized	vCPU	hour														87,36 €
		Shared Core (Burstable e2-Micro Instance)	vCPU	hour														31,55 €
		Accelerated Core A2	vCPU	hour														92,54 €
	VMs Single Tenant	Sole Tenancy Compute Optimized Core	vCPU	hour														284,22 €
		Sole Tenancy Compute Optimized RAM	gigabyte	hour														35,48 €
		Sole Tenancy Memory Optimized Core	vCPU	hour														82,09 €
		Sole Tenancy Memory Optimized RAM	gigabyte	hour														271,30 €
		Accelerated Instances RAM	gigabyte	hour														86,18 €
	Memory (GB/hour). Commitment 3 anni	General Purpose RAM	gigabyte	hour		16	192	64							2	384		12,92 €
		Memory Instances RAM	gigabyte	hour														11,97 €
		Compute Optimized RAM	gigabyte	hour														35,48 €
		Shared RAM (Burstable e2-Micro Instance)	gigabyte	hour														26,70 €
		Extended Memory (Custom Extended Instance Ram)	gigabyte	hour		24	48											74,40 €
Confidential Computing	Confidential Computing Instance Core	vCPU	hour														41,66 €	
	Confidential Computing Instance RAM	gigabyte	hour														5,20 €	
Licensed Cloud Persistent Storage Hyperscaler Technology	Storage	Persistent Disk Standard	gigabyte	hour	200												0,78 €	
		Persistent Disk SSD	gigabyte	hour		1000	400									1200	1,65 €	
		Balanced PD	gigabyte	hour											2		0,97 €	
		Extreme PD IOPS	gigabyte	hour														1,21 €
		PD Snapshot	gigabyte	hour														184,11 €
		Opzione Protezione Multi Region	gigabyte	hour														202,52 €
		NFS storage	gigabyte	hour														6,40 €
		Filestore Backup Storage	gigabyte	hour			1000											0,87 €
		Archive Storage Multi-region	gigabyte	hour														0,04 €
		Class A Operations	1000	count														217,46 €
Class B Operations	10000	count														3.801,70 €		
Data Retrieval Operations	gigabyte	hour														354,06 €		
Coldline Storage Multi-region	gigabyte	hour														0,07 €		
Class A Operations	1000	count														76,03 €		
Class B Operations	10000	count														380,17 €		
Data Retrieval Operations	gigabyte	hour														141,62 €		
Durable Reduced Availability Storage	gigabyte	hour														0,19 €		
Class A Operations	1000	count														76,03 €		
Class B Operations	10000	count														76,03 €		
Standard Storage Multi-region	gigabyte	hour														0,25 €		
Class A Operations	1000	count														38,02 €		
Class B Operations	10000	count														30,41 €		
Nearline Storage Multi-region	gigabyte	hour														0,10 €		
Class A Operations	1000	count														760,34 €		
Class B Operations	10000	count														760,34 €		
Data Retrieval Operations	gigabyte	hour														70,81 €		
Standard Storage Regional	gigabyte	hour														0,19 €		
Class A Operations	1000	count														380,17 €		
Class B Operations	10000	count														304,14 €		
Networking	VPN	VPN TUNNEL	tunnel	hour													380,17 €	
		VPN Traffic Egress EMEA 0 to 1,024 gibibyte	gigabyte	hour													1,16 €	
		VPN Traffic Egress EMEA 1,024 to 10,240	gigabyte	hour													1,07 €	
	Static IP	VPN Traffic Egress EMEA 10,240 gibibyte and above,	gigabyte	hour														0,78 €
		Static IP charge (VM external or VPN Gateway)	per ip	hour		1												76,03 €
		Cloud Interconnect for MPS - 10Gbps Partner circuit	circuit	hour														17.944,02 €
	Partner Interconnect	Cloud Interconnect for MPS - 100Gbps Partner circuit	circuit	hour														137.241,31 €
		Cloud Interconnect - 100Mbps VLAN attachment via Google partner	vlan attachment	hour														475,21 €
		Cloud Interconnect - 1Gbps VLAN attachment via Google partner	vlan attachment	hour														2.112,22 €
		Cloud Interconnect - 10Gbps VLAN attachment via Google partner	vlan attachment	hour														17.944,02 €
		America/Europe)	gigabyte	hour														141,62 €
	NAT Gateway	NAT Gateway: Data processing charge in Belgium	gigabyte	hour														318,66 €
		NAT Gateway: Uptime charge in Belgium	instance	hour														10,64 €
	External Cloud Load Balancer	Networking Cloud Load Balancing HTTPS External Regional Forwarding Rule	project	hour		1	10	10	10	10						10		83,64 €
		Networking Cloud Load Balancing HTTPS External Regional Inbound Data Pro	gigabyte	hour			1	1	1	1							1	57,36 €
Internal Network Load Balancer or HTTPS Load balancer	Forwarding Rule Minimum Service Charge in EMEA	rule	hour														190,08 €	
	Forwarding Rule Additional Service Charge in EMEA	rule	hour														76,03 €	
Cloud DNS	Data Processing Charge in EMEA	gigabyte	hour														56,65 €	
	DNS Query (port 53) 0 to 1,000,000,000 count	per 1,000,000 count	hour														4,17 €	
	DNS Query (port 53) 1,000,000,000 count and above	per 1,000,000 count	hour														2,08 €	
	ManagedZone for 0 to 25	per zone	hour														2,08 €	
	ManagedZone 25 to 10,000	per zone	hour														2,08 €	
	ManagedZone 10,000 month and above	per zone	hour														2,26 €	
CDN	Cache Egress to Europe	gigabyte	hour														0,24 €	

PUBLIC CLOUD PSN MANAGED

Tipo	Tipologia	Tipo	Unit	Time	Applicazione tradizionale medio piccola	Applicazione tradizionale con molta memoria + NAS	Simulazione applicazione cloud native microservizi	Applicazione cloud native microservizi in PaaS	Applicazione analisi fatture basata su Document AI	Applicazione di prenotazioni appuntamenti (i.e. CUP) basata su Conversazionale AI	Serverless Analytics a Consumo con Dashboard di visualizzazione	Applicazione Serverless Analytics Flat con Dashboard di visualizzazione	Applicazione PaaS per gestire appuntamenti via web	Soluzione DevOps CI/CD	Applicazione con molta memoria ed Exadata	Prezzo servizio esposto dal PSN annuo		
	CDN	Cache Lookup Requests	10000	count												57,03 €		
	Egress to Internet	Egress to EMEA	gigabyte	hour	0,1											1,84 €		
Licensed Kubernetes Hyperscaler Technology	Kubernetes	Kubernetes Engine Autopilot	cluster	hour												41,82 €		
		Autopilot Pod mCPU	vCPU	hour				12								372,57 €		
		Autopilot Pod Ephemeral Storage	gigabyte	hour				48								0,43 €		
		Autopilot Pod Memory	gigabyte	hour				24								38,38 €		
		Regional Kubernetes Clusters	cluster	hour												760,34 €		
		Zonal Kubernetes Clusters	cluster	hour												760,34 €		
		Multi-cluster Ingress backend Pod-hours (standalone)	pod	hour												31,25 €		
		Cloud Build	Build time	hour											3	1.368,61 €		
		Cloud Source Repository	Active users	hour											10	10,42 €		
		Cloud Run (tier 1)															- €	
			CPU	vCPU	hour										1		656,93 €	
	Memory	gigabyte	hour										128		63,73 €			
	Requests	1M requests	hour										10		4,17 €			
Licensed SQL e Oracle Hyperscaler Technology	SQL instances	PostgreSQL no HA , MySQL no HA														- €		
			vCPU	vCPU	hour												150,70 €	
			RAM	gigabyte	hour												23,79 €	
			Storage Capacity (SSD)	gigabyte	hour												1,65 €	
			Storage Capacity (HDD)	gigabyte	hour												0,87 €	
			Storage (Backup) - used	gigabyte	hour												0,78 €	
																	- €	
			PostgreSQL Regional (HA), MySQL Regional (HA)														- €	
				vCPU	vCPU	hour		8	8	8								301,47 €
				RAM	gigabyte	hour		52	64	64								47,59 €
				Storage Capacity (SSD)	gigabyte	hour		1024	256	256								3,30 €
				Storage Capacity (HDD)	gigabyte	hour												1,75 €
				Storage (Backup) - used	gigabyte	hour		2048										0,78 €
																		- €
			SQLServer no HA															- €
				vCPU	vCPU	hour		8										150,70 €
				RAM	gigabyte	hour		16										23,79 €
				Storage Capacity (SSD)	gigabyte	hour		512										1,65 €
				Storage (Backup) - used	gigabyte	hour		1024										0,78 €
																		- €
			SQLServer Regional (HA)															- €
				vCPU	vCPU	hour												301,47 €
				RAM	gigabyte	hour												47,59 €
				Storage Capacity (SSD)	gigabyte	hour												3,30 €
				Storage (Backup) - used	gigabyte	hour												0,78 €
																		- €
			BigQuery															- €
				Queries (on-demand)	gigabyte	hour							5000000					0,00 €
				Flat Annual (min 100 slot)	slot	hour								1000				17,71 €
				Storage Active	gigabyte	hour							10240	10240				0,19 €
				Storage Long-Term	gigabyte	hour												0,10 €
																		- €
				Data Studio									100	100				- €
		Oracle Database Exadata Cloud at Customer - Database OCPU	OCPU	hour												10.161,40 €		
		Oracle Database Exadata Cloud at Customer - Database OCPU - BYOL	OCPU	hour											8	2.438,83 €		
		Gen 2 Exadata Cloud at Customer - Database OCPU	OCPU	hour												10.161,40 €		
		Gen 2 Exadata Cloud at Customer - Database OCPU - BYOL	OCPU	hour												2.438,83 €		
		Exadata Cloud at Customer - Autonomous Transaction Processing - Database	OCPU	hour												10.161,40 €		
		Exadata Cloud at Customer - Autonomous Data Warehouse - Database OCPU	OCPU	hour												10.161,40 €		
		Exadata Cloud at Customer - Autonomous Transaction Processing - Database	OCPU	hour												2.438,83 €		
		Exadata Cloud at Customer - Autonomous Data Warehouse - Database OCPU	OCPU	hour												2.438,92 €		
		NoSQL Document DB ops	100,000 count													0,05 €		
		NoSQL Document DB storage	gigabyte	hour										10		1,75 €		
		Oracle Autonomous Data Warehouse - Exadata Storage	Terabyte	month												895.101,54 €		
		Oracle Autonomous Transaction Processing - Exadata Storage	Terabyte	month												895.101,54 €		
		Oracle Database Cloud Service - Standard Edition	OCPU	hour												1.625,41 €		
		Oracle Database Cloud Service - Enterprise Edition	OCPU	hour												3.251,54 €		
		Oracle Database Cloud Service - Enterprise Edition High Performance	OCPU	hour												6.706,42 €		
		Oracle Database Cloud Service - Enterprise Edition Extreme Performance	OCPU	hour												10.161,40 €		
		Oracle Database Cloud Service - All Editions - BYOL	OCPU	hour												1.462,82 €		
		MySQL Database - Standard - E2'	OCPU	hour												353,01 €		
		MySQL Database - Storage	Gbyte													302,42 €		
		MySQL Database - Backup Storage	Storage Capacity Per Month													302,42 €		
		MySQL Database - Bare Metal Standard - E2'	Node	hour												3.793,64 €		
		MySQL Database - Standard - E3'	OCPU	hour												287,27 €		
		MySQL Database - Standard - E3 - Memory	Gbyte	hour												16,66 €		
		Anomaly detection														- €		
		Digital Assistant (CCAI)														- €		
		Standard CCAI Insights natural language analysis	conversation	hour						50000						0,52 €		

PUBLIC CLOUD PSN MANAGED

Tipo	Tipologia	Tipo	Unit	Time	Applicazione tradizionale medio piccola	Applicazione tradizionale con molta memoria + NAS	Simulazione applicazione cloud native microservizi	Applicazione cloud native microservizi in PaaS	Applicazione analisi fatture basata su Document AI	Applicazione di prenotazioni appuntamenti (i.e. CUP) basata su Conversazionale AI	Serverless Analytics a Consumo con Dashboard di visualizzazione	Applicazione Serverless Analytics Flat con Dashboard di visualizzazione	Applicazione PaaS per gestire appuntamenti via web	Soluzione DevOps CI/CD	Applicazione con molta memoria ed Exadata	Prezzo servizio esposto dal PSN annuo		
Licensed AI/ML Hyperscaler Technology	AI ML Platform	Topic Model labeling	conversation	hour						50000						1,04 €		
		Data Science Platform															- €	
		AI HR															- €	
		AI Finance															- €	
		'general' type pages processed with Form Parser (for 0 to 1M pages)	page	hour													0,68 €	
		'general' type pages processed with Form Parser (above 1M pages)	page	hour													0,52 €	
		pages processed for DAI Core Custom Model Prediction	page	hour													0,26 €	
		pages processed for OCR processor (FREE for 0 to 1000 pages)	page	hour													- €	
		pages processed for OCR processor (for 1000 to 5M pages)	page	hour													0,02 €	
		pages processed for OCR processor (above 5M pages)	page	hour													0,01 €	
		AI Documenti															- €	
		'general' type pages processed with Form Parser (for 0 to 1M pages)	page	hour						100000							0,68 €	
		'general' type pages processed with Form Parser (above 1M pages)	page	hour													0,52 €	
		pages processed for DAI Core Custom Model Prediction	page	hour						100000							0,26 €	
		pages processed for OCR processor (FREE for 0 to 1000 pages)	page	hour													- €	
		pages processed for OCR processor (for 1000 to 5M pages)	page	hour						50000							0,02 €	
		pages processed for OCR processor (above 5M pages)	page	hour													0,01 €	
		Licensed Security Cloud Solution	Cloud Security	Security Command Center (brute-force attacks, and SQL injections)														- €
Event Threat Detection Log Ingest Bytes																1.900,85 €		
Ingress Egress Network Traffic																2.281,02 €		
SCC Premium ("Available as either a one year or multi-year fixed price subscription. The annual cost of the subscription is 5% of the larger of: (i) Your committed annual Google Cloud spend; or (ii) Your current Google Cloud spend, annualized. The minimum annual cost is 25,000.00 USD.")																	- €	
Access Transparency (Free ingestion but requires certain Google Cloud Support levels)																	- €	
Access Approval (Free but requires certain Google Cloud Support levels)																	- €	
Assurant Personnel Controls (Free but requires certain Google Cloud Support levels)																	- €	
Key Access Justifications																	- €	
Cloud Armor								1	1							1	5.765,04 €	
Policies	policy			count													52,08 €	
Rules	rule			count													10,42 €	
Incoming Request	million requests			count													5.702,55 €	
reCaptcha																	- €	
CreateAssessment Requests (free for 0 to 1,000,000 requests)	requests			hour													- €	
CreateAssessment Requests (for 1,000,000 requests and above)	requests			hour				10000	10000							10000	0,01 €	
reCAPTCHA Enterprise FMF																	10,42 €	
Managed Active Directory	Region			hour				1	1							1	3.041,36 €	
Cloud Operations	Cloud Logging																	- €
	Logging ingestion (free from 0 to 50GB)			gigabyte	hour													5,65 €
	Logging storage (logs retained more than 30 days)			gigabyte	hour													0,10 €
Cloud Monitoring (5K metric size, 60 metric x hours)	metric	hour													0,47 €			
Professional Services	10 giorni/mese (Security Posture, Policy Verification)														- €			
Key Vault	Managed HSM and AKV operations (HSM on premise)														- €			
TOTALE					6.442	27.704	17.417	18.487	94.522	78.117	25.669	19.693	8.944	4.476	44.645	- €		

CLUSTER 1 Tradizionale	9	8													3	413.544 €
CLUSTER 2 Tradizionale + Microservizi	7	7	6													343.523 €
CLUSTER 3 Tradizionale + Microservizi e PaaS	5	5	5	5												350.251 €
CLUSTER 4 Tradizionale + Microservizi + PaaS e Documentale AI	3	3	3	3	3	3	2									779.405 €
CLUSTER 5 Mix tra tradizionale, Microservizi, PaaS, AI e CI/CD	2	2	2	2	2	2	2	2	2	2	2	2	1	1		643.111 €

Per l'elenco completo delle voci di listino si faccia riferimento alla documentazione di gara "Proposta PSN-Listino servizi 2.0", Guida Public Cloud PSN Managed