

## 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.

Industry Standard

Listino 1

Tipologia	Elemento	CORE [Q]	RAM [GB]	VCPU [Q]	vRAM [GB]	Storage [GB]	Caratteristiche tecniche minime
IaaS Private (HA)	Blade Medium	24	256			500	Server features 2 socket Intel® Xeon® Scalable processor family, with up to 32 DIMMs (up to 6TB), PCIe express* (PCIe 4.0) enabled I/O slots, and 2 high bandwidth Ethernet and Fiber Channel mezzanine card. All Ethernet interfaces are 10/25Gbps, fully redundant, with jumbo frame enabled end to end in the overall infrastructure. All FC interfaces are 32Gbps. Processore Intel 6354, 18 core, 3.0GHz, cache 39MB, 205W. Sistema operativo escluso.
IaaS Private (HA)	Blade Large	36	768			1000	Server features 2 socket Intel® Xeon® Scalable processor family, with up to 32 DIMMs (up to 6TB), PCIe express* (PCIe 4.0) enabled I/O slots, and 2 high bandwidth Ethernet and Fiber Channel mezzanine card. All Ethernet interfaces are 10/25Gbps, fully redundant, with jumbo frame enabled end to end in the overall infrastructure. All FC interfaces are 32Gbps. Processore Intel 6354, 18 core, 3.0GHz, cache 39MB, 205W. Sistema operativo escluso.
IaaS Storage (HA)	Storage High Performance					500	SAAN NVMe based, replicato intra-region, 170K IOPS per Storage Array.
IaaS Storage (HA)	Storage Standard Performance					500	SAAN All Flash based, replicato intra-region, 130K IOPS per Storage Array.
IaaS Storage (HA)	NAS					500	NVMe based, replicato intra-region, 130K IOPS per Storage Array.
IaaS Storage (HA)	Object storage					500	Replicato inter-region.
IaaS Storage (HA)	Storage HPE Encrypted					500	SAAN NVMe based, replicato intra-region, crittografato a livello di singolo volume, 170K IOPS per Storage Array.
IaaS Storage (HA)	Storage SP Encrypted					500	SAAN All Flash based, replicato intra-region, crittografato a livello di singolo volume, 130K IOPS per Storage Array.
IaaS Shared (FA)	VM Tiny	1	2	1	2	100	VM Tiny
IaaS Shared (FA)	VM Small	2	4	2	4	100	VM Small
IaaS Shared (FA)	VM Medium	4	8	4	8	100	VM Medium
IaaS Shared (FA)	VM Large	8	16	8	16	100	VM Large
IaaS Shared (FA)	VM X-Large	16	32	16	32	100	VM X-Large
IaaS Shared (FA)	Pool Small	16	32	16	32	100	Pool Small
IaaS Shared (FA)	Pool Medium	16	32	16	32	100	Pool Medium
IaaS Shared (FA)	Pool Large	16	32	16	32	100	Pool Large
IaaS Shared (FA)	Pool X-Large	16	32	16	32	100	Pool X-Large
IaaS Private	Single Medium	36	256			1000	Single Medium
IaaS Private	Single Large	36	256			1000	Single Large
IaaS Shared (HA)	Pool - 1vCPU agiuntivo			1			Borsa agiuntiva per Pool IaaS shared
IaaS Shared (HA)	Pool - 1vCPU aggiuntiva			1			Borsa aggiuntiva per Pool IaaS shared
IaaS Shared (HA)	Pool - 1GB ram agiuntivo			1			Borsa agiuntiva per Pool IaaS shared
IaaS Shared (HA)	Pool - 1GB ram aggiuntivo			1			Borsa aggiuntiva per Pool IaaS shared
Connettività	Connezione dedicata 1 Gbps						Tecnologia Gbe MPI/S, profilo Silver 1000, TIR 12/13 e outsourcing

Tot Industry standard

Quantità	Canone Annuale	P X Q	Sconto %	Sconto €	Canone Annuale Scontato	Picciolato X Q	Sconto Totale
45,321	11.083 €	502.250,287 €	55,00%	6.095,65 €	4.987 €	226.031,07906 €	276.260,2774 €
7,558	15,922 €	120.342,381 €	49,50%	7.881,15 €	8,040 €	60.772,902,26 €	59.568,478,46 €
18,145	721 €	13.080,474 €	49,50%	356,84 €	364 €	6.605,639,28 €	6.474,834,35 €
27,17	395 €	10.751,074 €	49,50%	195,53 €	199 €	5.429,292,56 €	5.324,781,93 €
9,072	395 €	3.583,691 €	5,00%	19,25 €	375 €	3.404,506,89 €	179,184,57 €
18,145	395 €	7.167,383 €	49,50%	195,53 €	199 €	3.619,528,37 €	3.547,854,55 €
9,072	988 €	8.959,229 €	49,50%	488,83 €	498 €	4.574,410,47 €	4.434,818,18 €
9,072	652 €	5.913,091 €	49,50%	322,65 €	324 €	2.896,110,91 €	2.926,980,00 €
127,855	544 €	69.086,499 €	49,50%	269,17 €	275 €	36.889,693,99 €	34.198,806,86 €
95,296	1.077 €	102.636,907 €	60,00%	466,22 €	451 €	41.054,762,56 €	61.382,143,99 €
63,527	2.082 €	132.234,893 €	60,00%	1.248,92 €	831 €	52.893,957,20 €	79.340,935,96 €
23,626	3.844 €	91.380,381 €	60,00%	2.306,20 €	1.574 €	36.652,152,88 €	54.948,228,57 €
7,942	2.935 €	23.608,777 €	50,00%	1.471,44 €	1.474 €	11.922,402,07 €	20.437,654,70 €
7,942	2.935 €	23.608,777 €	49,50%	1.471,44 €	1.501 €	11.922,402,07 €	21.168,634,96 €
3,895	10.579 €	41.176,474 €	50,00%	5.289,98 €	4.288 €	17.965,466,37 €	23.186,931,99 €
3,895	10.579 €	41.176,474 €	49,50%	5.289,98 €	4.348 €	18.078,972,98 €	22.497,503,95 €
2,000	8.838 €	17.676,516 €	49,50%	4.369,24 €	4.374 €	8.376,656,97 €	8.808,861,88 €
1,005	21,107 €	21.220,071 €	49,50%	10,447,98 €	10,559 €	10.716,135,85 €	10.500,935,14 €
2,000	889 €	1.777,952 €	49,50%	439,94 €	449 €	897,865,69 €	880,086,17 €
18,886	1.900 €	35.878,403 €	20,00%	379,94 €	1.520 €	28.702,722,57 €	7.175,680,84 €
19,327	1.857 €	35.888,786 €	20,00%	371,38 €	1.486 €	28.711,029,16 €	7.177,757,91 €
4,334	5,394 €	24.456,182 €	40,00%	1,078,70 €	4,315 €	19.564,929,27 €	4.891,232,92 €
308	26,471 €	8.146,849 €	49,50%	13,103,29 €	13,368 €	4.114,158,71 €	4.032,690,22 €
1,375	11,873 €	16.321,653 €	49,50%	5,877,21 €	5,996 €	8.242,434,63 €	8.079,218,10 €
1,559	9,762,830 €	15.292,830 €	49,50%	3,099,16 €	3,162 €	4.930,229,09 €	4.832,600,19 €
17,265	1,891 €	32.456,483 €	49,50%	936,23 €	955 €	16.491,018,80 €	16.144,463,97 €
5,468	1,094 €	3.240,000 €	49,50%	299,20 €	299 €	1.636,200,00 €	1.603,800,00 €
1,094	13,944 €	15.228,000 €	49,50%	6,892,45 €	7,032 €	7.690,140,00 €	7.537,860,00 €
273	6,666 €	1.822,500 €	49,50%	329,58 €	329 €	920,382,50 €	902,137,50 €
182	5,925 €	1.080,000 €	49,50%	299,20 €	299 €	533,82 €	533,82 €
262,815	139 €	34.032,715 €	10,00%	592,52 €	117 €	30.679,463,40 €	3.403,271,99 €
100,859	604 €	60.975,144 €	10,00%	60,43 €	544 €	54,876,829,95 €	6.097,314,49 €
33,446	1,079 €	36.092,276 €	10,00%	107,91 €	971 €	32.483,048,27 €	3.609,227,91 €
125,686,242	1,1 €	105.555,636 €	22,50%	0,19 €	1 €	81.807,167,83 €	23.750,468,88 €
-	642 €	-	49,50%	317,74 €	324 €	-	-
-	770 €	-	49,50%	381,28 €	389 €	-	-
-	148 €	-	49,50%	73,32 €	75 €	-	-
-	829 €	-	49,50%	410,52 €	419 €	-	-
-	348 €	-	49,50%	172,38 €	176 €	-	-
-	722 €	-	60,00%	432,91 €	289 €	-	-
-	1,415 €	-	60,00%	848,97 €	566 €	-	-
-	2,699 €	-	60,00%	1,577,40 €	1,052 €	-	-
-	5,046 €	-	60,00%	1,766,18 €	3,280 €	-	-
-	1,931 €	-	49,50%	965,85 €	985 €	-	-
-	3,595 €	-	49,50%	1,754,75 €	1,790 €	-	-
-	1,033 €	-	50,00%	3,868,36 €	3,165 €	-	-
-	12,863 €	-	49,50%	5,779,47 €	3,084 €	-	-
-	11,778 €	-	49,50%	3,859,87 €	2,928 €	-	-
-	144 €	-	49,50%	31,68 €	32 €	-	-
-	136 €	-	49,50%	62,37 €	64 €	-	-
-	415 €	-	49,50%	22,28 €	23 €	-	-
-	88 €	-	49,50%	43,56 €	44 €	-	-
-	86,942 €	-	30,00%	78,248,16 €	8,694 €	-	-
-	-	1.715.616.862 €	46,25%	-	-	922.206.338 €	799.410.529 €

Listino 1

Hybrid Cloud on PSN site

Tipologia	Elemento	CORE	RAM	vCPU	vRAM	Storage	Quantità	Canone Annuale	P X Q	Sconto %	Sconto €	Canone Annuale Scontato	Picciolato X Q	Sconto totale
Compute	Server 2-processore 26 core 768 GB RAM 24 TB Disco (o equivalente)	52	768			48000 + 9600	3.089	57.883 €	178.790.938 €	7,00%	4.052 €	53.832 €	166.275.572 €	12.515.366 €
Policy	Server						33.333	86 €	2.857.930 €	7,00%	6 €	80 €	2.657.875 €	200.055 €
Kubernetes	Kubernetes			1			53.428	29 €	1.545.568 €	7,00%	2 €	27 €	1.437.379 €	108.190 €
SQL Data services	SQL Data services			1			10.018	2.213 €	22.168.389 €	7,00%	155 €	2.038 €	20.616.602 €	1.551.787 €
Monitorine	GB di log analizzati al giorno						14.609	1.322 €	19.319.902 €	7,00%	95 €	1.230 €	17.967.599 €	1.351.303 €
TOT Hybrid Cloud on PSN site									224.682.728 €	7,00%			208.954.937 €	15.727.791 €

Secure Public Cloud (1)

Tipologia	Elemento	Quantità	Canone Annuale	P X Q	Sconto %	Sconto €	Canone Annuale Scontato	Picciolato X Q	Sconto totale
Progetto Cloud 1		694	550.531 €	382.290.699 €	7,00%	26.537 €	351.994 €	355.530.350 €	26.760.349 €
Progetto Cloud 2		477	342.991 €	163.558.812 €	7,00%	23.981 €	318.610 €	325.105.046 €	11.448.787 €
Tot Secure Public Cloud				545.849.511 €	7,00%			507.635.395 €	38.209.116 €

Public Cloud PSN managed (2)

Tipologia	Elemento	Quantità	Canone Annuale	P X Q	Sconto %	Sconto €	Canone Annuale Scontato	Picciolato X Q	Sconto totale
CLUSTER 1		67	590.778 €	39.774.566 €	30,00%	177.233 €	413.545 €	27.842.196 €	11.932.370 €
CLUSTER 2		96	490.747 €	46.880.960 €	30,00%	147.224 €	343.523 €	32.816.672 €	14.064.288 €
CLUSTER 3		96	500.359 €	47.799.157 €	30,00%	150.108 €	350.251 €	33.459.410 €	14.339.747 €
CLUSTER 4		96	1.113.436 €	106.366.305 €	30,00%	334.031 €	779.405 €	74.456.413 €	31.909.891 €
CLUSTER 5*		91	918.730 €	83.586.713 €	30,00%	275.619 €	643.111 €	58.510.699 €	25.076.014 €
Tot Public Cloud PSN managed				324.407.700 €	30,00%			227.086.390 €	97.322.310 €
TOTALE LISTINO 1				2.810.551.800 €	33,61%			1.865.882.060 €	944.669.740 €

(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 originale 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 €
<b>238.173.987 €</b>

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 €
<b>40,50%</b>			<b>141.713.522 €</b>	<b>96.460.465 €</b>

Macrotipologia	Tipo	Tipologia	Tipo	Quantità	Listino PSN	Indicazione Servizio Public Cloud di riferimento
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	
		c1r4	3	651,21 €	DC1s v2	
		c2r8	6	1.302,81 €	DC2s v2	
		c4r16	11	2.605,23 €	DC4s v2	
		c8r32	7	5.210,98 €	Dc8s v2	
		c4r16	8	853,45 €	D4sv3	
		c4r16	8	2.605,23 €	DC4s v2	
		Compute & Network	VM Confidential	serverless 4-core 500 GB con	1	18.516,39 €
4-core 500 GB con licenza	1			4.113,37 €	Azure Database for PostgreSQL - 500GB	
c4r16	4			861,65 €	Azure machine learning D4sv3	
300 Hrs/month	1			3.310,88 €	Azure Cognitive Services - AAA-92197	
c4r8	3			9.796,52 €	App Service Windows - Isolated v2 (I3) RI 3Y	
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	
Compute a consumo(Altri ambienti)	VM "convenzionali"	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	
		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 €
dischi SSD Premium (128 GB)	138			228,91 €	P10 (AAD-18125)	
Storage	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		
Public Cloud Security & Backup	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		
	Defense in Depth	XDR per Servers	XDR per Servers	istanze	138	154,15 €	Azure Defender for servers - Standard - Nodes	
		XDR per SQL	XDR per SQL	istanze	6	158,41 €	Azure Defender for SQL - Standard Node - Istanze/mese	
		XDR per Storage	XDR per Storage	1M Transazioni Standard per vCore	140,5	21,16 €	Azure Defender for Storage - Standard Transactions	
		XDR per Kubernetes	XDR per Kubernetes	100 immagini standard	64	20,75 €	Azure Defender for Kubernetes - Standard Cores	
		XDR per container registry	XDR per container registry	100 immagini standard	1	25,53 €	Azure Defender for container registries - Standard Images	
	SIEM	Monitor	XDR per Key Vault	1M Transazioni Standard	2	17,59 €	Azure Defender for Key Vault - Standard Transactions	
			SIEM service	SIEM service	31,74	823,74 €	Sentinel - Analysis - EU West (stima per 40 GB al giorno)	
		Firewall	SIEM Data Ingestion	SIEM Data Ingestion	GB per giorno	31,74	789,43 €	Log Analytics - Data Ingestion - EU West
			SIEM Data retention (6 mesi)	SIEM Data retention (6 mesi)	GB per giorno	31,74	125,23 €	3 mesi gratuiti di retention per Sentinel
			Monitor VM Data ingestion	Monitor VM Data ingestion	GB per giorno	31,74	789,43 €	Log Analytics - Data Ingestion - EU West
Cloud Backup		Monitor Data retention (1 mesi)	Monitor Data retention (1 mesi)	GB per giorno	1	- €	1 mese gratuito di retention per LogAnalytics	
		Deployment	Deployment	Istanze	1	13.490,95 €	Azure FW Premium (AAF-69092)	
PSN Security & Backup	Professional Services	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	Storage occupato	GB	35328	0,25 €			
	Additional Security	10 giorni/mese (Security Posture, Policy Verification)	10 giorni/mese (Security Posture, Policy Verification)					
Key Vault	Managed HSM and AKV operations (HSM on premise)	Managed HSM and AKV operations (HSM on premise)						
	Backup on premise	Storage						
<b>TOTALE Progetto Cloud 1</b>					<b>511.994</b>			

Macrotipologia	Tipo	Tipologia	Tipo	Quantità	Listino PSN	Indicazione Servizio Public Cloud di riferimento
Compute (Production) riservate a 3 anni			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
			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
			c4r16	6	1.293,87 €	n2-standard-4
			c4r16	6	1.549,15 €	n2-standard-4
			Compute & Network			4-core 500 GB con licenza
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
c2r8	1	2.251,33 €				n2d-standard-8
c4r16	1	3.010,20 €				e2-highmem-8
dischi SSD Standard (128 GB)	280	55,57 €				
Managed Disks						
Networking Cloud Load Balancing						
HTTPS External Regional Forwarding						
Rule Europe						
Network						rule (per day per project)
			Cloud Interconnect for MPS - 10Gbps Pa	1	18.287,53 €	
			Cloud Interconnect for MPS - 10Gbps	2	446,04 €	2 vlan attachment
			Partner circuit	12000	0,18 €	1TB mese
			Egress to EMEA	25	52,86 €	Cloud Armon Policies
			Policy	25	10,57 €	Cloud Armon rules
			Rules	5	7,93 €	Cloud Armon incoming request
			Incoming Request	4000	0,01 €	recapcha
			Chapcha	150	2,75 €	
			Container Analysis	1000	37,68 €	Chronicle
			User Monitoring	5	5.689,95 €	Security Command Center Premium Tier
			Daily Data Volume	50	9,85 €	
			Storage Bytes Inspected (fino a 51,200 G)	450	7,39 €	
			Storage Bytes Inspected (51,200 GiB - 512,000 GiB)	4550	5,91 €	
			Storage Bytes Inspected (>512,000 GiB)	50	9,85 €	
			Public Cloud Security & Backup	Data Loss Prevention		Storage Bytes Transformed (fino a 51,200 G)
Storage Bytes Transformed (>51,200 G)						

**SECURE PUBLIC CLOUD**

**GPC**

Macrotipologia	Tipo	Tipologia	Tipo	Quantità	Listino PSN	Indicazione Servizio Public Cloud di riferimento
PSN Security & Backup		Storage Bytes Transformed (>512,000 gigabyte)	gigabyte	950	5,91 €	
	Monitor	Logging ingestion	gigabyte	1224	5,69 €	
		Logging storage	gigabyte	979,2	0,10 €	
	IAM	Cloud Monitoring	(5K metric size, 60 metric x hd quantity)	510	0,48 €	
	Backup	Active directory		2	3,086,92 €	
		Storage occupato	GB	26112	0,48 €	Attilio
	Professional Services	10 giorni/mese (Security Posture, Policy Verification)				
	Key Vault	Managed HSM and AKV operations (HSM Secret manager (100 secret, 1200 mese)				
	Backup on premise	Storage				
	Additional Security	GPC Access Transparency, GPC Access Approval, Assurant Personnel Controls, Key Access Justifications		10	4.760,38 €	
				<b>TOTALE Progetto Cloud 2</b>	<b>318.610</b>	

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

Tipologia	Tipologia	Unit	Time	Applicazione tradizionale medio piccola	Applicazione tradizionale con molta memoria + NAS	Simulazione applicazione cloud native microservizi	Applicazione cloud native microservizi in PaaS	Applicazione cloud 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 per gestire appuntamenti via web	Soluzione DevOps CI/CD	Applicazione con molta memoria ed Escalata	Prezzo servizio esposto dal PSN annuo	
Licensed Cloud Persistent Storage Hyperscaler Technology	vCPUs (vCPU/hour), Memory optimized Commitment 3 anni	vCPU	hour	8	24	24									118.98 €	
		vCPU	hour													113.69 €
		vCPU	hour													87.36 €
		vCPU	hour													31.55 €
		vCPU	hour													92.54 €
		gigabyte	hour													284.22 €
		gigabyte	hour													35.48 €
		gigabyte	hour													82.09 €
		gigabyte	hour													271.30 €
		gigabyte	hour													86.18 €
Licensed Cloud Persistent Storage Hyperscaler Technology	Memory (GB/hour), Commitment 3 anni	gigabyte	hour	16	192	64										12.92 €
		gigabyte	hour													11.97 €
		gigabyte	hour													26.70 €
		gigabyte	hour													74.40 €
		gigabyte	hour													41.66 €
		vCPU	hour													5.20 €
		gigabyte	hour													0.78 €
		gigabyte	hour													1.65 €
		gigabyte	hour													0.97 €
		gigabyte	hour													1.21 €
Licensed Cloud Persistent Storage Hyperscaler Technology	Storage	gigabyte	hour													184.11 €
		gigabyte	hour													202.52 €
		gigabyte	hour													6.40 €
		gigabyte	hour													0.87 €
		gigabyte	hour													0.94 €
		gigabyte	hour													217.46 €
		gigabyte	hour													3.801.70 €
		gigabyte	hour													354.06 €
		gigabyte	hour													0.07 €
		gigabyte	hour													76.03 €
Licensed Cloud Storage Hyperscaler Technology	Cloud Storage	gigabyte	hour													0.19 €
		gigabyte	hour													76.03 €
		gigabyte	hour													0.25 €
		gigabyte	hour													380.17 €
		gigabyte	hour													141.62 €
		gigabyte	hour													0.19 €
		gigabyte	hour													76.03 €
		gigabyte	hour													0.25 €
		gigabyte	hour													380.17 €
		gigabyte	hour													141.62 €
Networking	VPN	gigabyte	hour													1.16 €
		gigabyte	hour													70.81 €
		gigabyte	hour													0.19 €
		gigabyte	hour													380.17 €
		gigabyte	hour													304.14 €
		gigabyte	hour													380.17 €
		gigabyte	hour													1.07 €
		gigabyte	hour													0.78 €
		gigabyte	hour													17.944.02 €
		gigabyte	hour													137.241.31 €
Networking	Static IP	gigabyte	hour													2.112.22 €
		gigabyte	hour													17.944.02 €
		gigabyte	hour													141.62 €
		gigabyte	hour													318.66 €
		gigabyte	hour													10.64 €
		gigabyte	hour													83.64 €
		gigabyte	hour													57.36 €
		gigabyte	hour													190.08 €
		gigabyte	hour													76.03 €
		gigabyte	hour													56.85 €
Networking	External Cloud Load Balancer	gigabyte	hour													4.17 €
		gigabyte	hour													2.08 €
		gigabyte	hour													2.08 €
		gigabyte	hour													2.08 €
		gigabyte	hour													2.08 €
		gigabyte	hour													2.08 €
		gigabyte	hour													2.08 €
		gigabyte	hour													2.08 €
		gigabyte	hour													2.08 €
		gigabyte	hour													0.24 €

Tipologia	Tipologia	Unit	Time	Applicazione tradizionale medio piccola	Applicazione tradizionale con molta memoria + IAS	Simulazione applicazione cloud native microservizi	Applicazione cloud native microservizi in PaaS	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 per gestire appuntamenti via web	Soluzione DevOps CI/CD	Applicazione con molta memoria ed Escadata	Prezzo servizio esposto dal PSN annuo	
Licensed Kubernetes Hyperscaler Technology	Cache Lookup Requests	10000	Count											57,08 €	
	Egress to Internet	gigabyte	hour	0.1										1,84 €	
	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											31,25 €
		Multi-cluster Ingress backend Pod/Hours (standalone)	pod	hour											1,368,61 €
		Cloud Build	hour	hour											10,42 €
		Cloud Source Repository	Active users	hour											10
		Cloud Run (tier 1)	hour	hour											- €
	SQL instances	PostgresSQL no HA - MySQL no HA	Memory Requests	hour											656,93 €
		PostgresSQL no HA - MySQL no HA	IM requests	hour											63,73 €
		PostgresSQL no HA - MySQL no HA	Requests	hour											4,17 €
		PostgresSQL no HA - MySQL no HA	vCPU	hour											150,70 €
		PostgresSQL no HA - MySQL no HA	RAM	hour											23,79 €
		PostgresSQL no HA - MySQL no HA	Storage Capacity (SSD)	hour											1,65 €
		PostgresSQL no HA - MySQL no HA	Storage Capacity (HDD)	hour											0,87 €
		PostgresSQL no HA - MySQL no HA	Storage (Backup) - used	hour											0,78 €
PostgresSQL Regional (HA)		vCPU	hour		8		8							301,47 €	
PostgresSQL Regional (HA)		RAM	hour		52		64							47,59 €	
Licensed SQL e Oracle Hyperscaler Technology	PostgresSQL no HA	vCPU	hour											1,75 €	
	PostgresSQL no HA	RAM	hour											0,78 €	
	PostgresSQL no HA	Storage Capacity (SSD)	hour											- €	
	PostgresSQL no HA	Storage Capacity (HDD)	hour											150,70 €	
	PostgresSQL no HA	Storage (Backup) - used	hour											23,79 €	
	PostgresSQL no HA	Queries (on-demand)	hour											1,65 €	
	PostgresSQL no HA	Storage Capacity (SSD)	hour											0,78 €	
	PostgresSQL no HA	Storage Capacity (HDD)	hour											- €	
	PostgresSQL no HA	Storage (Backup) - used	hour											301,47 €	
	PostgresSQL no HA	Storage (Backup) - used	hour											47,59 €	
SQL instances	SQLServer no HA	vCPU	hour											3,30 €	
	SQLServer no HA	RAM	hour											3,30 €	
	SQLServer no HA	Storage Capacity (SSD)	hour											0,78 €	
	SQLServer no HA	Storage Capacity (HDD)	hour											- €	
	SQLServer no HA	Storage (Backup) - used	hour											- €	
	SQLServer no HA	Queries (on-demand)	hour											1000	
	SQLServer no HA	Storage Active	hour											10240	
	SQLServer no HA	Storage Long-Term	hour											0,10 €	
	SQLServer no HA	Storage Long-Term	hour											100	
	SQLServer no HA	Storage Long-Term	hour											- €	
SQL instances	Oracle Database Exadata Cloud at Customer - Database OCPU	OCPU	hour											10,161,40 €	
	Oracle Database Exadata Cloud at Customer - Database OCPU - BYOL	OCPU	hour											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 Transaction Processing - Database	OCPU	hour											10,161,40 €	
	Exadata Cloud at Customer - Autonomous Transaction Processing - Database	OCPU	hour											2,438,83 €	
	Exadata Cloud at Customer - Autonomous Transaction Processing - Database	OCPU	hour											2,438,83 €	
	Exadata Cloud at Customer - Autonomous Transaction Processing - Database	OCPU	hour											0,05 €	
	Exadata Cloud at Customer - Autonomous Transaction Processing - Database	OCPU	hour											1,75 €	
SQL instances	MySQL Document DB storage	gigabyte	month											895,101,54 €	
	MySQL Document DB storage	Terabyte	month											895,101,54 €	
	MySQL Document DB storage	Terabyte	month											1,625,41 €	
	MySQL Document DB storage	OCPU	hour											3,251,54 €	
	MySQL Document DB storage	OCPU	hour											6,706,42 €	
	MySQL Document DB storage	OCPU	hour											10,161,40 €	
	MySQL Document DB storage	OCPU	hour											1,462,82 €	
	MySQL Document DB storage	OCPU	hour											353,01 €	
	MySQL Document DB storage	Gbyte	hour											302,42 €	
	MySQL Document DB storage	Storage Capacity Per Month	hour											302,42 €	
SQL instances	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 €	
	MySQL Database - Standard - E3 - Memory	hour	hour											- €	
	MySQL Database - Standard - E3 - Memory	hour	hour											- €	
	MySQL Database - Standard - E3 - Memory	hour	hour											- €	
	MySQL Database - Standard - E3 - Memory	hour	hour											- €	
	MySQL Database - Standard - E3 - Memory	hour	hour											- €	
	MySQL Database - Standard - E3 - Memory	hour	hour											- €	
	MySQL Database - Standard - E3 - Memory	hour	hour											- €	
SQL instances	Digital Assistant (CCA)	conversation	hour											0,52 €	
	Standard CCA Insights natural language analysis	conversation	hour											5000	

**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 cloud analisi fatture basata su Document AI	Applicazione di prenotazioni appuntamenti (i.e. CUP) basata su Convesazionale AI	Serverless Analytics a Consumo con Dashboard di visualizzazione	Applicazione Flat con Dashboard di visualizzazione	Applicazione Paas per gestire appuntamenti via web	Soluzione DevOps CI/CD	Applicazione con molta memoria ed scadenza	Prezzo servizio esposto dal PSN annuo		
Licensed AI/ML Hyperscaler Technology	AI ML Platform	Data Science Platform	conversation	hour						50000						1,04 €		
		AI HR															- €	
		AI Finance															- €	
		general type pages processed with Form Parser (for 0 to 1M pages)	page	hour													0,88 €	
		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													0,09 €	
		pages processed for OCR processor (above 5M pages)	page	hour													0,01 €	
		AI Documenti								100000								- €
		general type pages processed with Form Parser (for 0 to 1M pages)	page	hour													0,88 €	
		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													0,09 €	
pages processed for OCR processor (above 5M pages)	page	hour													0,01 €			
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	Policies	policy	count					1								5,765,04 €		
	Rules	rule	count													52,08 €		
	Incoming Request	million requests	count													10,02 €		
reCaptcha																- €		
CreateAssessment Requests (free for 0 to 1,000,000 requests)	requests	requests	hour													- €		
CreateAssessment Requests (for 1,000,000 requests and above)	requests	requests	hour					10000								0,01 €		
reCAPTCHA Enterprise FWF																10,02 €		
Managed/Active Directory	Region	Region	hour					1								3,041,36 €		
Cloud Logging	Logging ingestion (free from 0 to 50GB)	gigabyte	hour													- €		
	Logging storage (logs retained more than 30 days)	gigabyte	hour													5,85 €		
	Logging storage (logs retained more than 30 days)	gigabyte	hour													0,10 €		
Cloud Monitoring (Bk metric size, 60 metric x hours)	metric	metric	hour													0,47 €		
Professional Services	10 giorni/mese (Security Posture, Policy Verification)															- €		
Key Vault	Managed HSM and AKV operators (HSM on premise)															- €		
	<b>TOTALE</b>				6.442	2.7704	1.7417	18.487	94.522	78.117	25.669	19.893	8.944	4.476	44.645	- €		
Licensed Security Cloud Solution	Cloud Security	CLUSTER 1 Tradizionale			9	8										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			2				779.405 €		
		CLUSTER 5 Mix tra tradizionale, Microservizi, PaaS, AI e CI/CD			2	2	2	2	2	2	2	2	2	1	1	643.111 €		

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Licensed Security Cloud Solution	Cloud Security	CLUSTER 1 Tradizionale			9	8										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			2				779.405 €
		CLUSTER 5 Mix tra tradizionale, Microservizi, PaaS, AI e CI/CD			2	2	2	2	2	2	2	2	1	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