



## AMPLIACIÓN DE CAPACIDAD TECNOLÓGICA EN DATACENTER MUNICIPAL

### MEMORIA TÉCNICA

Con el objetivo de ampliar la capacidad de procesamiento y almacenamiento de datos en el datacenter municipal se proyecta adquirir los siguiente equipos:

Tres (3) Servidores tipo DELL PowerEdge R650XS:

Procesadores: (2) Intel Xeon Silver 4314 2.4G, 16C/32T, 10.4GT/s, 24M Cache, Turbo, HT (135W)

Memoria: DDR4-2666 - 256RAM (16x16)

Discos: HHDD SSD 480Gb SATA (x3)

Conectividad: 2 ports de 10Gbps Fibra SFP+ compatible.

[Ver anexo 1º](#)

Un (1) Servidor Storage tipo Hitachi Storage VSP E590

Capacidad: 100TB Usables + 2 Spare Drives

Conectividad: 4 ports de 10Gbps Fibra SFP+ compatible.

[Ver anexo 2º](#)

Una (1) Licencia VMware vCenter Server Standard 7 + VMware ESXi7 for 6 Processors

Los servidores se instalarán en el edificio municipal sito en Av. Güemes 835, piso 2, Avellaneda.

Los equipos deberán ser entregados listos para su puesta en producción, con las configuraciones adaptadas a los requerimientos administrativos dictados por el personal de la Secretaría de Tecnología y Comunicaciones.



## AMPLIACIÓN DE CAPACIDAD TECNOLÓGICA EN DATACENTER MUNICIPAL

### Anexo 1º

#### Dell PowerEdge R650xs

SKU	Módulo	Descripción	Producto
[379-BEID]	FRONT STORAGE	10x2.5 Front Storage	GYEFL4N
[379-BDSS]	BACKPLANE	SAS/SATA Backplane	GK0E3OX
[379-BDTE]	REAR STORAGE	No Rear Storage	GOXF0L2
[210-AZKL]	PowerEdge R650xs	PowerEdge R650xs	GENJ3IA
[461-AAIG]	Trusted Platform Module	Trusted Platform Module 2.0 V3	GGX1VDO
[321-BGIS]	Chassis Configuration	2.5" Chassis with up to 10 Hard Drives (SAS/SATA), 2 CPU	G50JQRD
[338-CBWK]	Processor	Intel® Xeon® Silver 4314 2.4G, 16C/32T, 10.4GT/s, 24M Cache, Turbo, HT (135W) DDR4-2666	GGK2I89
[338-CBWK] [379-BDCO]	Additional Processor	Intel® Xeon® Silver 4314 2.4G, 16C/32T, 10.4GT/s, 24M Cache, Turbo, HT (135W) DDR4-2666	G5RYAVO
[412-AAVR] [412-AAVR]	Processor Thermal Configuration	Heatsink for 2 CPU configuration (CPU less than 185W)	GC29Z5M
[370-AAIP]	Memory Configuration Type	Performance Optimized	GH9QBEI
[370-AEVR]	Memory DIMM Type and Speed	3200MT/s RDIMMs	GR3CFNV
[370-AEVQ]	Memory Capacity	(8) 16GB RDIMM, 3200MT/s, Dual Rank	GQ3BSOI
[780-BCDS]	RAID Configuration	C7, Unconfigured RAID for HDDs or SSDs (Mixed Drive Types Allowed)	GJ45ICY
[405-AAUZ] [750-ACFQ]	RAID/Internal Storage Controllers	PERC H745 with rear load bracket	GZ3SJEM
[400-BIFV]	Hard Drives	(5) 600GB Hard Drive SAS ISE 12Gbps 10k 512n 2.5in Hot-Plug	GD05IR7
[750-AABF]	BIOS and Advanced System Configuration Settings	Power Saving Dell Active Power Controller	G06TYXW
[800-BBDM]	Advanced System Configurations	UEFI BIOS Boot Mode with GPT Partition	GSFTG4Y
[384-BCTO]	Fans	High Performance Fan x7	GA6JYN7
[450-AIQZ]	Power Supply	Dual, Hot-plug, Power Supply Fault Tolerant Redundant (1+1), 1400W, Mixed Mode	GY4SBD1
[450-ACSM]	Power Cords	(2) C13 to C14, PDU Style, 10 AMP, 6.5 Feet (2m) Power Cord, Argentina	GT41XJD
[330-BBSZ]	PCIe Riser	Riser Config 3, 1xOCP 3.0(x16)+ 2x16LP	GXD14IC
[329-BGEZ]	Motherboard	PowerEdge R650xs Motherboard	GS3LCD8
[385-BBQV]	Embedded Systems Management	iDRAC9, Enterprise 15G	G4NWS93
[540-BCOB]	OCP 3.0 Network Adapters	Broadcom 5720 Quad Port 1GbE BASE-T Adapter, OCP NIC 3.0	G9T004Y



[325-BCHH] [350-BCEN]	Bezel	Standard Bezel for x8 and x10 chassis	G0N6E3R
[330-BBTB] [403-BCOD]	Boot Optimized Storage Cards	BOSS controller card + with 2 M.2 Sticks 240G (RAID 1)	G8PWBCS
[350-BCEM]	Quick Sync	No Quick Sync	GT8Y6M9
[379-BCSF]	Password	iDRAC,Factory Generated Password	G2T768J
[379-BCQY]	Group Manager	iDRAC Group Manager, Disabled	GTVA94K
[611-BBBF]	Operating System	No Operating System	G78MU35
[605-BBFN]	OS Media Kits	No Media Required	GKH7AZI
[770-BCJI] [770-BDZL]	Rack Rails	ReadyRailsâ„¢ Sliding Rails With Cable Management Arm	GYVEJ7N
[429-AAIQ]	Internal Optical Drive	No Internal Optical Drive	GZP2ROB
[631-AACK]	System Documentation	No Systems Documentation, No OpenManage DVD Kit	GVRYSM7
[340-CUQU]	SHIPPING	PowerEdge R650xs Shipping	GQ05DOG
[343-BBQW]	Shipping Material	PowerEdge R650xs x4 or x10 or x8 NVMe Shipping Material	GV9UJ1I
[389-DYLW] [389-DYMB]	Regulatory	PowerEdge 1U CE and BIS Marking, No CCC Marking on Chassis	G124CWN
[332-1286]	Shipping/Order information	US No Canada Ship Charge	USNONE
[859-8839] [859-8859]	Services: Hardware Support	3 Years Basic Hardware Warranty Repair 5x10 HW-Only 5x10 Next Business Day Onsite-LA	G7Y02QX
[804-6605]	Deployment Services	Basic Deployment Dell Server R Series 1U/2U,LA	LBASDEP



## AMPLIACIÓN DE CAPACIDAD TECNOLÓGICA EN DATACENTER MUNICIPAL

### Anexo 2º

Hitachi Storage VSP E590  
Memory: 384GB  
Capacity: 129.112 TB Raw Storage  
110.668TB Usable (Base 10)  
100.652TB Usable (Base2)  
Raid Groups: 4 x 2.4TB DB 60 HDD RAID 6 12D+2P Array Group  
110.668TB Usable (Base10) 100.652TB Usable (Base2)  
Spare Drives: 2 x 2.4TB DB60 Spare (3.5")  
Chassis: Drive Chassis - DB60 (Supports 60 x 3.5" Drives)  
Connectivity: 2 x VSP EXX0 Host I/O Module iSCSI 10Gbps SFP 2port  
Soporte: 1 año de garantía