



Dell AX System pour Azure Local : la fondation hybride de référence

Arrêtez de gérer la complexité. Commencez à innover.

Le Dell AX System pour Azure Local est l'infrastructure la plus étroitement intégrée et spécialement conçue pour exécuter Azure en on- premises. En tant que partenaire Microsoft Premier Solutions, Dell vous offre l'expérience unifiée et cloud native que vous attendez, en éliminant la complexité et les frictions de l'IT hybride traditionnel.

DELL Technologies
TITANIUM BLACK PARTNER



Démarrez avec l'expérience Azure de référence

Prêt(e) à unifier votre cloud et votre data center ?

Le Dell AX System pour Azure Local est la voie la plus rapide vers un cloud hybride Azure réellement fluide, entièrement supporté et sans compromis.

- **Accélérez l'innovation** : Exploitez les services Azure en on premises grâce à une automatisation intégrée et une expérience cloud native.
- **Simplifiez la gestion** : Éliminez la complexité grâce à une gestion complète du cycle de vie (full stack lifecycle management), en utilisant des outils Azure et Dell familiers.
- **Montez en charge en toute confiance** : Déployez une infrastructure dimensionnée selon vos besoins, de l'Edge au data center, avec le support Dell Pro Support.

Node information

AX-760				
Storage Configuration	All Flash		Hybrid	
	All Flash (All-SSD)	All Flash (All-NVMe)	Hybrid (SSD + HDD)	Hybrid (NVMe + HDD)
Chassis Configurations	24 drives: 24 x 2.5" front or 28 drives: 24 x 2.5" front bay + 4 x 2.5" rear	24 x 2.5" front bay drives (switched)	16 drives: 12 x 3.5" HDDs + 4 x 2.5" SAS (rear)	16 drives: 12 x 3.5" HDDs + 4 x 2.5" NVMe (rear)
Processors	Two 4th Gen (Sapphire Rapids) or 5th Gen (Emerald Rapids) Intel Xeon Scalable processors with up to 64 cores per processor			
Memory	128 GB to 8 TB (Up to 32 x DDR5 RDIMMs, speeds up to 5600 MT/s)			
Storage controller	Internal HBA 355i 12Gbps SAS HBA Controller (NON-RAID)	None	Internal HBA 355i 12Gbps SAS HBA Controller (NON-RAID)	Internal HBA 355i 12Gbps SAS HBA Controller (NON-RAID)
Storage - OS Boot	BOSS N1 with dual hot-plug M.2 NVMe 960GB in RAID1			
Drive Count and Storage for Cache Min/Max	-	-	Min: 2 x 800GB = 1.6 TB Max: 4 x 1.6TB = 6.4 TB	Min: 2 x 1.6TB = 3.2 TB Max: 4 x 6.4TB = 25.6 TB
Drive Count and Storage for Capacity Min/Max	Min: 2 x 800GB = 1.6 TB Max: 28 x 7.68TB = 215 TB	Min: 2 x 960 TB = 1.92 TB Max: 24 x 15.36TB = 369 TB	Min: 4 x 4 TB = 16 TB Max: 12 x 20 TB = 240 TB	Min: 4 x 4 TB = 16 TB Max: 12 x 20 TB = 240 TB
Network cards	Form factors: <ul style="list-style-type: none"> - PCIe (required): 1-4 - OCP 3.0 (optional) - Integrated LOM: 2 x 1GbE Broadcom 5720 (used for factory imaging only, not supported for customer use cases) Vendors: Broadcom, Intel and NVIDIA Port Count: Dual-port and quad-port Operational speeds: 10, 25, and 100GbE RDMA protocol support: iWARP, RoCE (GPUs are not supported on All flash chassis with rear storage.)			
GPU	DW = Double Wide SW = Single Wide		Not supported	Not supported
	<ul style="list-style-type: none"> - NVIDIA Ampere A2 SW, 60W, 16GB Passive, up to 4 - NVIDIA Ampere A16 DW, 250W, 64GB Passive, up to 2 - NVIDIA Ada Lovelace, L4, SW, 72W, 24GB Passive, up to 4 - NVIDIA Ada Lovelace, L40, DW, 300W, 48GB Passive, up to 2 - NVIDIA Ada Lovelace, L40S, DW, 350W, 48GB Passive, up to 2 			
Azure Local release	Latest Azure Local golden image from Dell Technologies available from the Support Matrix .			
Out of Band Management	Integrated Dell Remote Access Controller (iDRAC) 9 Enterprise or Datacenter IPMI 2.0 compliant			
Integrations	Dell OpenManage Integration with Microsoft Windows Admin Center v3.3.2 or higher can be used with Windows Admin Center installed locally on-premises or Windows Admin Center in the Azure portal			
Services	ProDeploy, ProDeploy Plus, ProSupport, ProSupport Plus, optional Dell Infrastructure and Consulting services Call-routing, phone home, remote support, and automated case creation supported with Secure Connect Gateway			
Security	Trusted Platform Module 2.0			
Power Supplies	Dual, Hot-plug, Redundant Power Supply (1+1), 1100/1400/1800/2400/2800 W			
Form Factor	2U Rack			

PowerFlex Integration

If connecting to a PowerFlex Cluster, refer to the [Design Guide](#).

Node information

AX-660		
Storage Configuration	All Flash (All-SSD)	All Flash (All-NVMe)
Chassis Configurations	10 x 2.5" SAS Chassis Up to 10 SSD front drives (SAS/vSAS)	10 x 2.5" NVMe Chassis Up to 10 NVMe front drives
Processors	Two 4th Gen (Sapphire Rapids) or 5 th Gen (Emerald Rapids) Intel Xeon Scalable processors with up to 36 cores per processor	
Memory	128 GB to 8 TB (Up to 32 x DDR5 RDIMMs, speeds up to 5600 MT/s)	
Storage controller	Internal HBA 355i 12Gbps SAS HBA Controller (NON-RAID)	None
Storage - OS Boot	BOSS N1 with dual hot-plug M.2 NVMe 960GB in RAID1	
Drive Count and Storage for Cache Min/Max	-	-
Drive Count and Storage for Capacity Min/max	Minimum: 2 x 800GB = 1.6 TB Maximum: 10 x 7.68TB = 76.8 TB	Minimum: 2 x 960GB = 1.92 TB Maximum: 10 x 15.36TB = 153.6 TB
Network cards	Form factors: <ul style="list-style-type: none"> - PCIe (required): 1-3 - OCP 3.0 (optional) - Integrated LOM: 2 x 1GbE Broadcom 5720 (used for factory imaging only, not supported for customer use cases) Vendors: Broadcom, Intel and NVIDIA Port Count: Dual-port and quad-port Operational speeds: 10, 25, and 100GbE RDMA protocol support: iWARP, RoCE	
GPU DW = Double Wide SW = Single Wide	GPU capable of up to 2 x SW GPU <ul style="list-style-type: none"> - NVIDIA Ampere A2 SW, PCIe, 60W, 16GB Passive - NVIDIA Ada Lovelace, L4, SW, 72W, 24GB Passive 	
Azure Local release	Latest Azure Local golden image from Dell Technologies available from the Support Matrix .	
Out of Band Management	Integrated Dell Remote Access Controller (iDRAC) 9 Enterprise or Datacenter IPMI 2.0 compliant	
Integrations	Dell OpenManage Integration with Microsoft Windows Admin Center v3.3.2 or higher can be used with Windows Admin Center installed locally on-premises or Windows Admin Center in the Azure portal	
Services	ProDeploy, ProDeploy Plus, ProSupport, ProSupport Plus, optional Dell Infrastructure and Consulting services Call-routing, phone home, remote support, and automated case creation supported with Secure Connect Gateway	
Security	Trusted Platform Module 2.0	
Power Supplies	Dual, Hot-plug, Redundant Power Supply (1+1), 1100/1400/1800 W	
Form Factor	1U Rack	
PowerFlex Integration	If connecting to a PowerFlex Cluster, refer to the Design Guide.	

Node information

AX-4000x AX-4510c & AX-4520c		
Model	AX-4510c – All-NVMe (1U sled)	AX-4520c – All-NVMe (2U sled)
Chassis Configurations	AX-4000r (Rackable): 1-4 sleds AX-4000z (Flexible/Stackable): 1-2 sleds	AX-4000r (Rackable): 1-2 sleds AX-4000z (Flexible/Stackable): 1 sled
Processors	Single Socket Intel Xeon Ice Lake D 3rd Generation (8/16/20 cores)	
Memory	64 GB to 512 GB (Up to 4 x 128GB DDR5 3200MT/s)	
Storage controller	None	
Storage - OS Boot	BOSS N1 Modular ET (embedded) with dual M.2 NVMe 960GB in RAID1	
Drive Count and Storage for Cache Min/Max	-	-
Drive Count and Storage for Capacity Min/Max	Minimum: 2 x 800GB = 1.6 TB Maximum: 4 x 3.84TB = 15.36 TB	Minimum: 6 x 800GB = 4.8 TB Maximum: 12 x 3.84TB = 46.08 TB
Network cards	<ul style="list-style-type: none"> - Integrated LOM <ul style="list-style-type: none"> - Intel E823-C LOM quad port 10/25 GbE - PCIe: None 	<ul style="list-style-type: none"> - Integrated LOM <ul style="list-style-type: none"> - Intel E823-C LOM quad port 10/25 GbE - PCIe: 1-2 <ul style="list-style-type: none"> - Vendors: Broadcom, Intel and NVIDIA - Port Count: Dual-port and quad-port - Operational speeds 10, 25, and 100GbE - RDMA protocol support: iWARP, RoCE
GPU DW = Double Wide SW = Single Wide	NA	GPU capable: up to 2 x SW - NVIDIA Ampere A2 SW, 60W, 16GB Passive - NVIDIA Ada Lovelace L4 SW, 72W, 24GB Passive
Azure Local release	Latest Azure Local golden image from Dell Technologies available from the Support Matrix .	
Out of Band Management	Integrated Dell Remote Access Controller (iDRAC) 9 Enterprise or Datacenter IPMI 2.0 compliant	
Integrations	Dell OpenManage Integration with Microsoft Windows Admin Center v3.3.2 or higher can be used with Windows Admin Center installed locally on-premises or Windows Admin Center in the Azure portal	
Services	ProDeploy, ProDeploy Plus, ProSupport, ProSupport Plus, optional Dell Infrastructure and Consulting services Call-routing, phone home, remote support, and automated case creation supported with Secure Connect Gateway	
Security	Trusted Platform Module 2.0	
Power Supplies	Dual, Hot-plug, Redundant Power Supply (1+1), 1100/1400/1800 W	
Environmental	Purpose-built and ruggedized for edge deployments: <ul style="list-style-type: none"> • Operate in temp ranges from -5C to 55C. Rated to MIL 810H and NEBS Level 3. • 'Stackable' and 'rackable' chassis with options to mount on walls or place on shelves when space is at a premium. • Withstand dusty and harsh environments while providing extra physical security with an optional lockable intelligent filtered bezel. 	
Form Factor	1U Rack	2U Rack
PowerFlex Integration	If connecting to a PowerFlex Cluster (AX-4520c only), refer to the Design Guide.	



Principaux différenciateurs et fonctionnalités

Pourquoi choisir Dell pour Azure ?	Avantage clé
Solution Microsoft Premier	Le statut de Solution Microsoft Premier garantit le plus haut niveau d'intégration et une expérience de gestion native Microsoft, totalement alignée avec Azure.
Licence perpétuelle OEM	Inclus dès l'achat initial : vous bénéficiez du logiciel Azure Local ainsi que d'un nombre illimité de machines virtuelles Windows Server Datacenter, pour toute la durée de vie du matériel.
Automatisation full stack	La gestion du cycle de vie est assurée par Azure Update Manager, avec des outils Dell intégrés, permettant d'automatiser les mises à jour du firmware aux pilotes, jusqu'aux politiques de sécurité Windows.
Nœuds AX évolutifs	Des configurations flexibles capables de monter en charge depuis une seule machine en périphérie (Edge) jusqu'à un cluster de 16 nœuds.
Résilience pensée pour l'Edge	Inclut l'AX 4000 renforcé, conçu pour offrir une informatique fiable et hautes performances dans des environnements distants exigeants et des bureaux de proximité.
Stockage indépendant	Utilisez le stockage défini par logiciel Dell Power Flex pour faire évoluer la capacité de manière linéaire, indépendamment des ressources de calcul.
Supervision unifiée	Dell Open Manage s'intègre directement aux services Azure, en remontant les alertes matérielles vers Azure Monitor et les politiques de configuration vers Azure Policy.
Support avec contact unique	Les services Dell Pro Deploy et Pro Support assurent un déploiement professionnel sur site et un support technique simplifié pour l'ensemble de la pile technologique.

Échangez avec les experts du cloud hybride

Contactez dès aujourd'hui les spécialistes Insight pour concevoir et déployer votre Dell AX System pour Azure Local. Rendez vous sur la [page dédiée à la solution](#) pour en savoir plus, planifier une réunion ou demander un devis.