



Infraestructura Hiperconvergente

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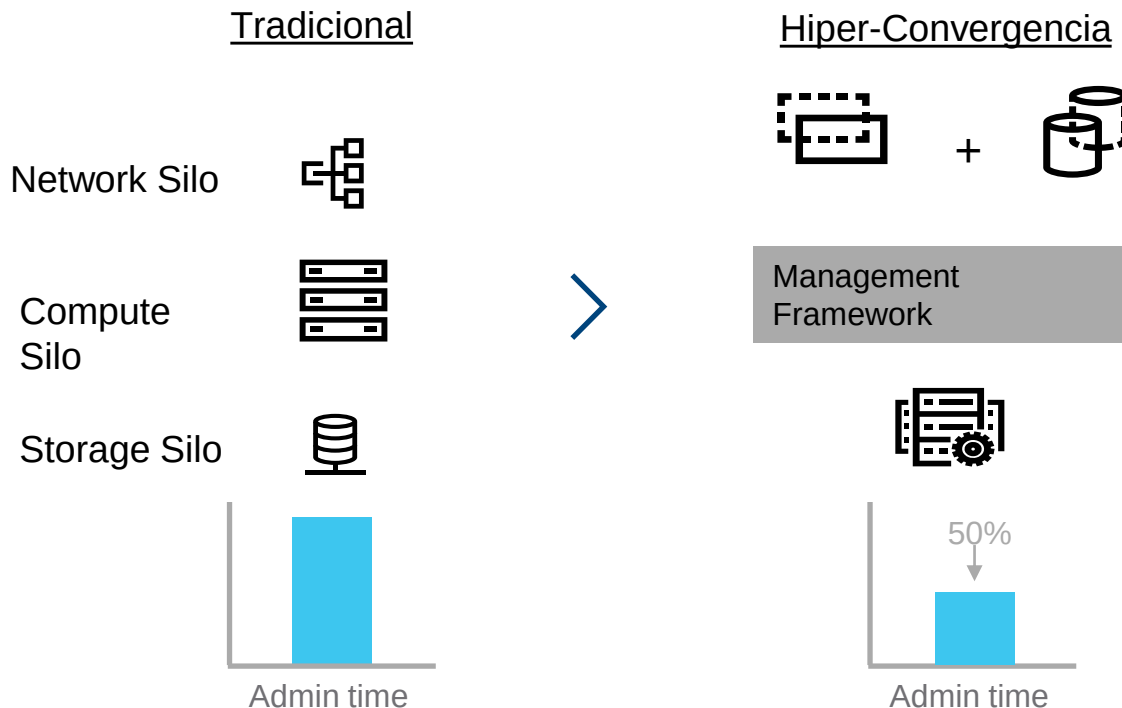


Agenda

- ¿Que es Hiperconvergencia?
- Dell EMC Integrated Data Protection.
- Caso de Éxito del Poder Judicial de Salta

¿Que es la infraestructura Hiperconvergente?

La infraestructura hiperconvergente (HCI) permite combinar los recursos informáticos de computo, el almacenamiento y la red en un solo sistema. Esta solución simplificada utiliza software y servidores x86 estándares de la industria.

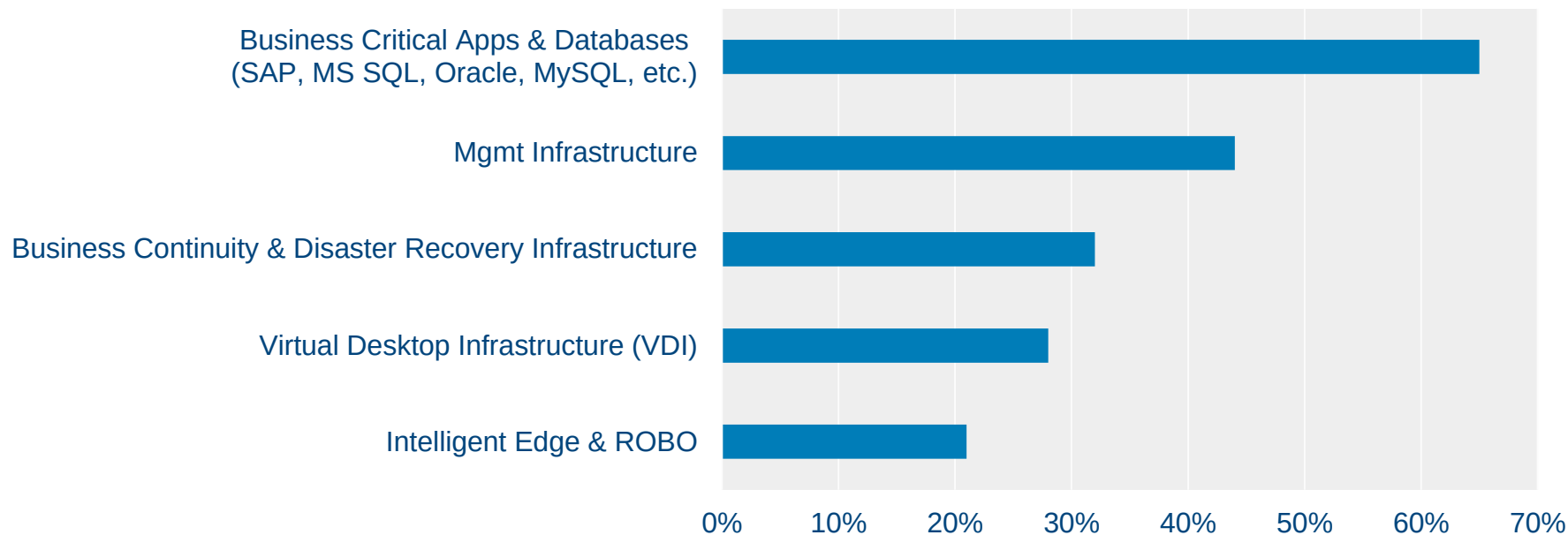


Ventajas

- ✓ Administración centralizada, facilita automatización.
- ✓ Aprovisionamiento de recursos simple y flexible.
- ✓ Escalabilidad en Computo y almacenamiento de forma ágil.
- ✓ Uso de Hardware estándar de la industria.
- ✓ Upgrades en el software traen mejoras instantaneas al almacenamiento.
- ✓ Infraestructura Hybrid-Cloud Ready.

HCI - moving into the data center

HCI Use Cases



IDC – HCI Market Share 2019:

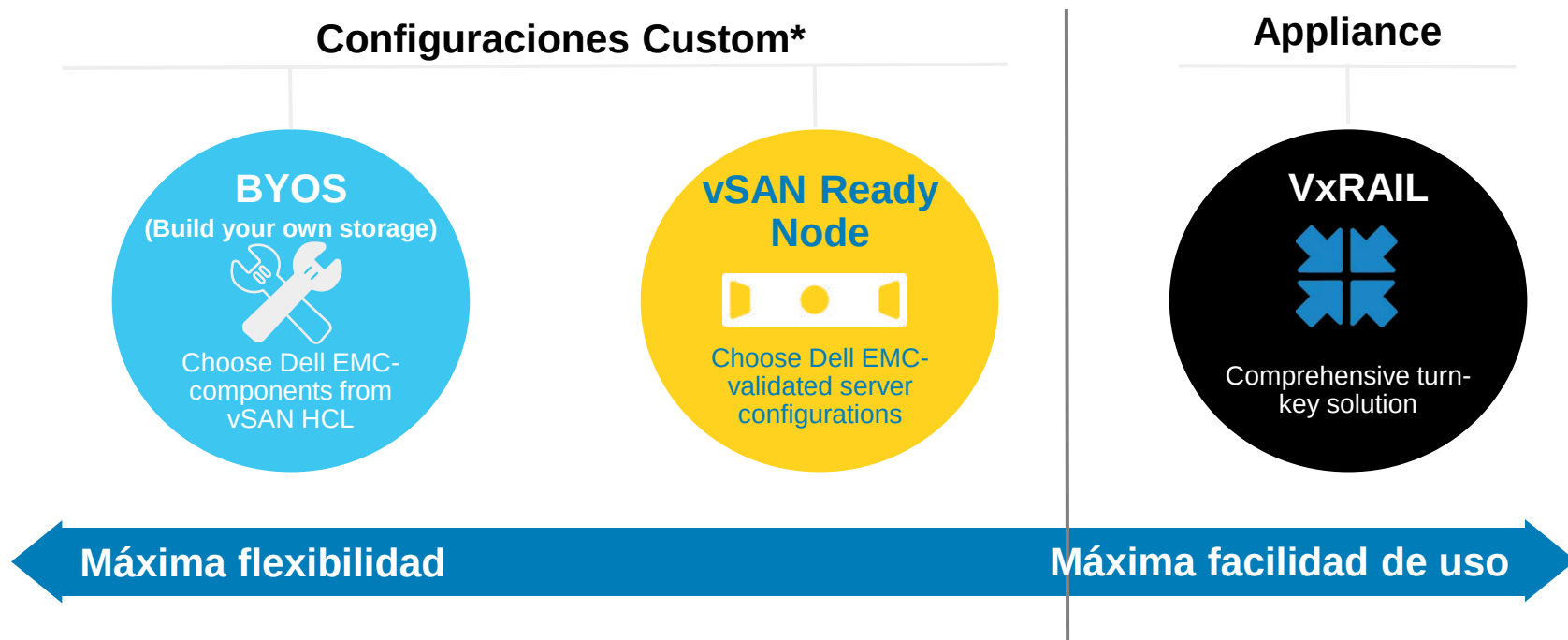
Top 3 Companies, Worldwide Hyperconverged Systems as Branded, Q1 2019 (\$M)

Company	1Q19 Revenue	1Q19 Market Share	1Q18 Revenue	1Q18 Market Share	1Q19/1Q18 Revenue Growth
1. Dell Technologies ^a	\$586.7	32.2%	\$357.7	28.8%	64.0%
	\$255.7	14.0%	\$250.9	20.2%	1.9%
	\$83.5	4.6%	\$61.0	4.9%	37.0%
	\$82.3	4.5%	\$59.9	4.8%	37.3%
	\$72.4	4.0%	\$32.1	2.6%	125.4%
Rest of Market	\$743.9	40.8%	\$482.4	38.8%	54.2%
Total	\$1,824.5	100.0%	\$1,244.0	100.0%	46.7%

Source: IDC Worldwide Quarterly Converged Systems Tracker, June 25, 2019

<https://www.idc.com/getdoc.jsp?containerId=prUS45325919>

Múltiples Alternativas de deployment de vSAN



*VMware strongly recommends using certified Ready Nodes that are validated to provide predictable performance and scalability for your vSAN deployment, if you want to BYOS use certified components.

¿Que es un Dell EMC vSAN Ready Node?

**Prescriptive vSAN
Ready Node solution
recommendations...**



**... categorized into “high,”
“medium,” and “low”
solution profiles**

- Un nodo individual vendido por Dell EMC, el cual ha sido preconfigurado para correr el stack de vSphere + vSAN en un factor de forma de hardware recomendado.
- Puede incluir hardware exclusivo y optimizado de Dell EMC, y también puede incluir software de Dell EMC para complementar vSAN + vSphere.
- Es ideal como stack de infraestructura Hiperconvergente.
- Son los bloques de construcción para grandes ambientes de datacenter con necesidad de automatización.
- Permite a los usuarios personalizar sus configuraciones de Hardware y software para cumplir los requerimientos del negocio.

Dell EMC vSAN Ready Nodes Portfolio

100+ Certified Ready Node Configs: All-flash, Rugged, Hybrid Rack, & Kinetic

PowerEdge R440, R640, XR2 or
R6415



PowerEdge R740, R7415



PowerEdge R740xd, R7425



PowerEdge C6420



PowerEdge
FC640
Blade



MX740c



Does Not Require Multi Path SAS

4 to 8 Node Configs:

1x NVMe cache
5x NVMe/SAS/SATA/SSD

or

2x NVMe cache
4x NVMe/SAS/SATA/SSD

MX740c & MX5016s



Requires Multi Path SAS

4 x Node Config:

4 x NVMe cache
16 x SAS capacity

Dell EMC Data Protection

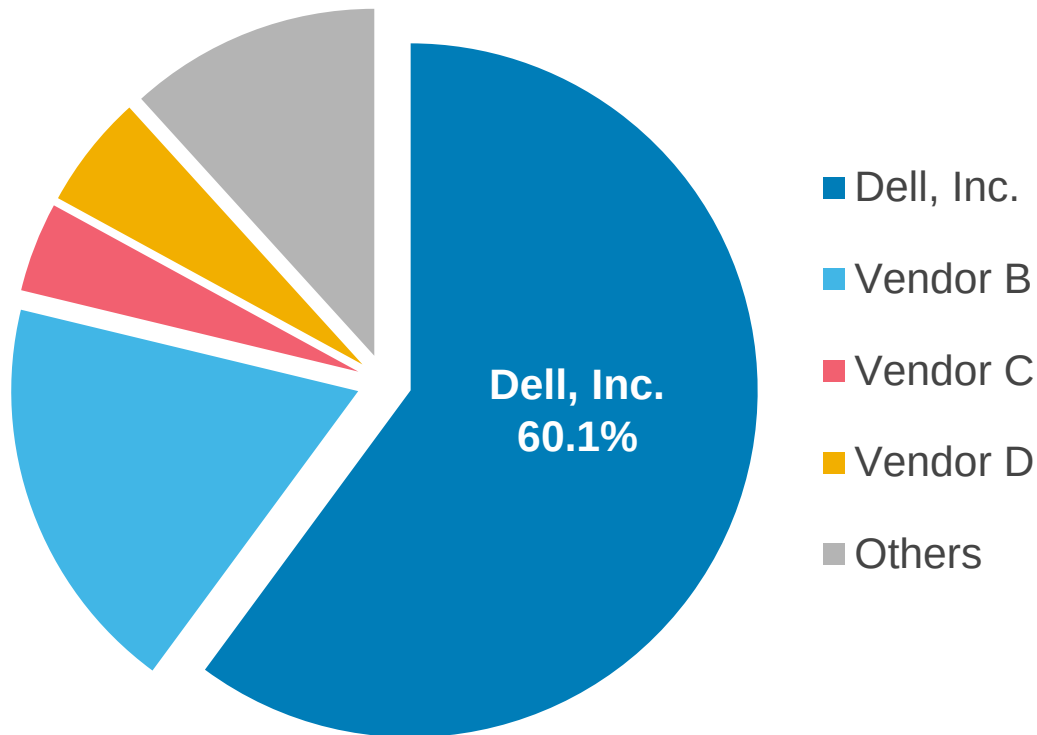


Purpose Built Backup Appliances

2018 Total Vendor Revenue (Target & Integrated)



2018 Total Market
\$3.61B



Source: IDC Quarterly Purpose Built Backup Appliance Tracker, Q4 2018



DELL EMC DATA PROTECTION

Simplicity is a Converged Solution



Backup &
Restore



Days

2U and 10x¹ faster

Easy to deploy & upgrade



Hours



Deduplication



Cloud DR
+ LTR



Instant Access
+ Restore



VMware
Integration



Replication



Disaster
Recovery



Search &
Analytics



8TB–96TB



+ 192TB with



without additional HW*

Densest 2U appliance—up to 20% more capacity²

¹Dell EMC internal analysis using publically available competitive pricing, May 2018. Lowest cost-to-protect is based on \$ per logical GB. Actual cost will vary.

²Based on Dell EMC internal analysis, May 2018, using Rubrik's and Cohesity's published data. Actual results will vary.

* If starting at less than 24TB, simple non-disruptive field upgrade, expected to be available in the second half of 2019, required to bridge from 24TB to larger capacities.

DELL EMC DATA PROTECTION

Simplicity is Easy Management

Modern UI



PLAY VIDEO



Dashboards



Exception resolutions



Policy management



Reporting



DELL EMC DATA PROTECTION

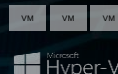
Power is Protection Everywhere

Largest application ecosystem¹
Any application, multi-hypervisor and cloud
Integration with VMware, SQL, Oracle native management tools

Physical



Home grown & custom apps



Virtual



IBM Cloud
Object Storage

Cloud

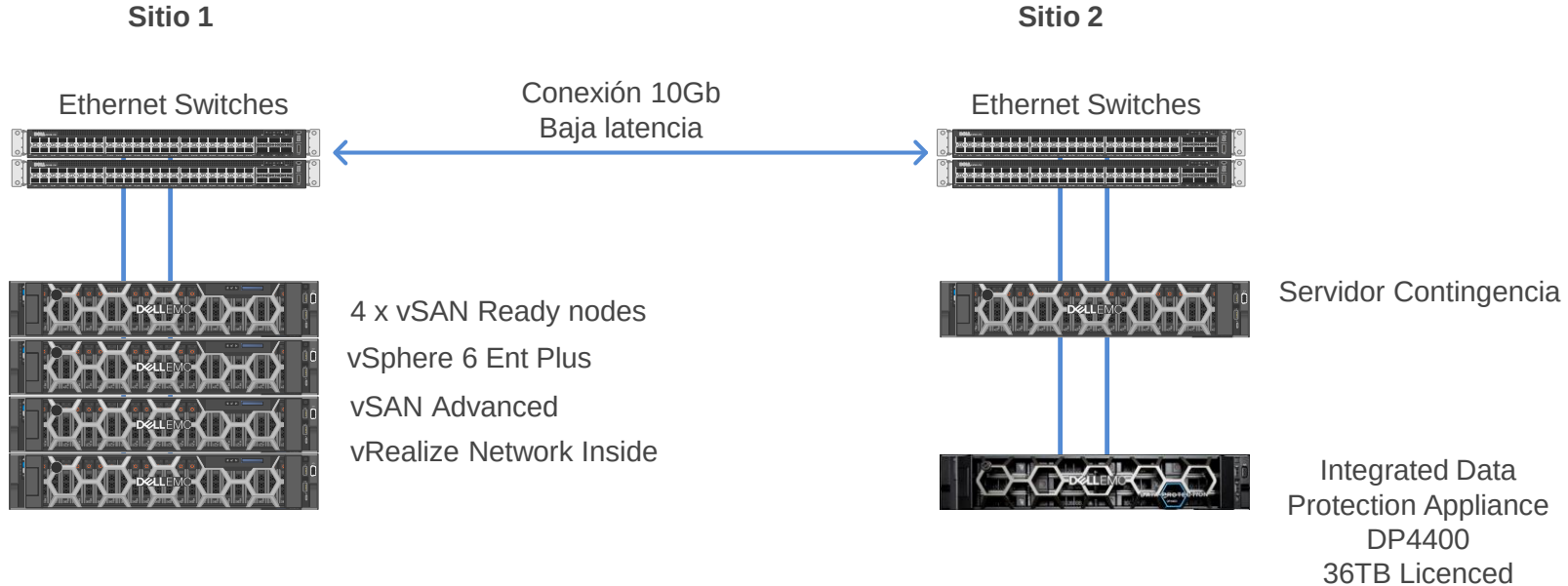


virtustream.



Caso de Éxito Poder Judicial de Salta

Arquitectura Solución Poder Judicial Salta



Gracias!