Dell EMC Midrange Solutions

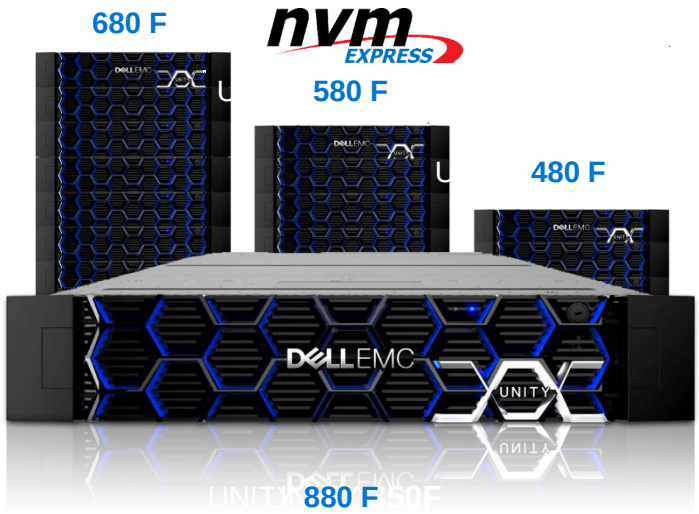
Connecting your business

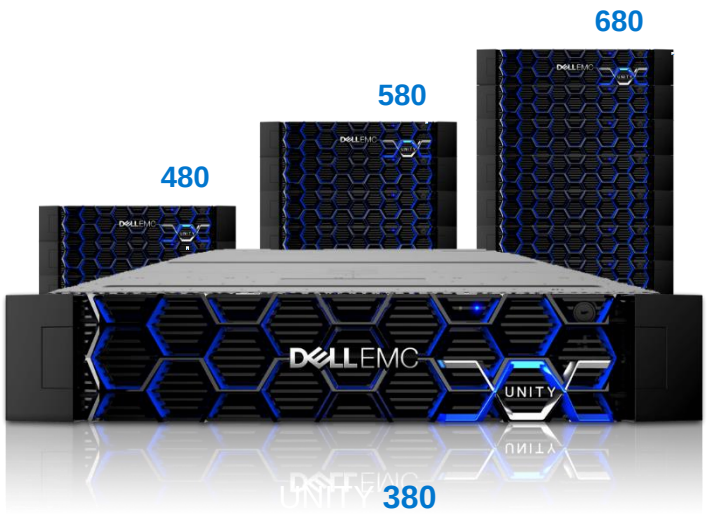
Dell EMC Unity

Transform and Automate

DELL EMC

Famille Dell EMC Unity™ XT





ALL-FLASH

VIRTUAL & CONVERGED

HYBRID

DELL EMC

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Gamme Dell EMC Unity XT

Stockage milieu de gamme
sans compromis

Performances

Simplicité du cycle de vie

Multi protocole

Conception évolutive

Virtualisation

Optimisé pour plus d'
EFFICACITÉ

31 % d'efficacité en plus par rapport à la concurrence

Moderne Architecture

Rapidité Déploiement

le multi-Cloud Enabled

Efficacité

Sécurité Certifications

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La **NOUVELLE** gamme Dell EMC Unity XT

FUTURE-PROOF
LOYALTY PROGRAM

Modèles 100 % Flash : Modèles hybrides :	Unity 380F Unity 380	Unity 480F Unity 480	Unity 680F Unity 680	Unity 880F Unity 880
Nombre de CPU par système	12 cœurs 2S = Socket simple 1,7 GHz	32 cœurs 2S = Double socket 1,8 GHz	48 cœurs 2S = Double socket 2,1 GHz	64 cœurs 2S = Double socket 2,1 GHz
Mémoire (par système)	128 Go	192 Go	384 Go	768 Go
Capacité brute max.	2,4 Po	4,0 Po	8 Po	16 Po
Nbre max. de disques	500	750	1 000	1 500
Logiciel complet	Réduction des données à la volée, réplication synchrone/asynchrone, snapshots, optimisation multicœur, qualité de service, multitenancy des IP, gestion basée sur le Web, mise en cache sur SSD, hiérarchisation automatique, allocation dynamique, CloudIQ, hiérarchisation sur le Cloud, licences RP4VM et AppSync Basic			

Exécutez une déduplication avancée sur les modèles 380 et 380F

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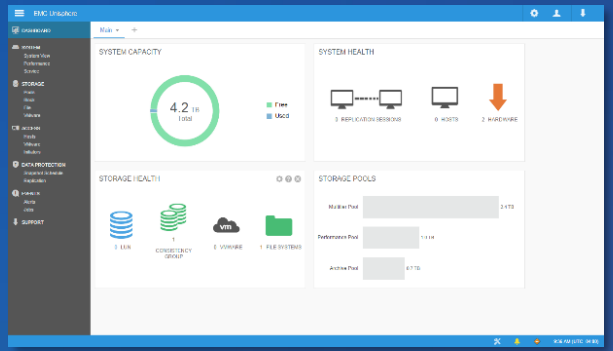
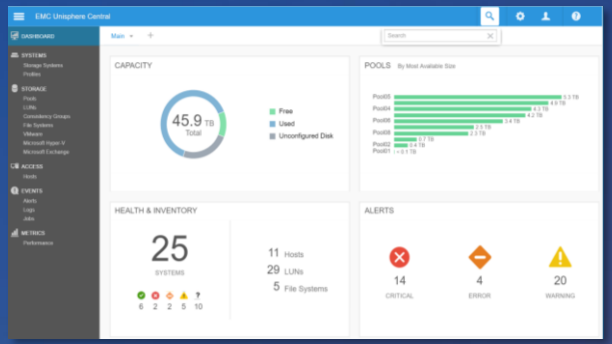
Gestion native simple...

Unisphere/Unisphere Central





- Interface utilisateur HTML 5 pratique, workflows intuitifs
- Gérer 1 à 1 000 baies Unity
- Réplication « définie et oubliée »

et prise en charge d'un vaste écosystème

vmware®
Microsoft
DELL EMC

- Intégration avec des produits tiers
- Accès API à partir de la CLI, du navigateur et de l'écriture de scripts

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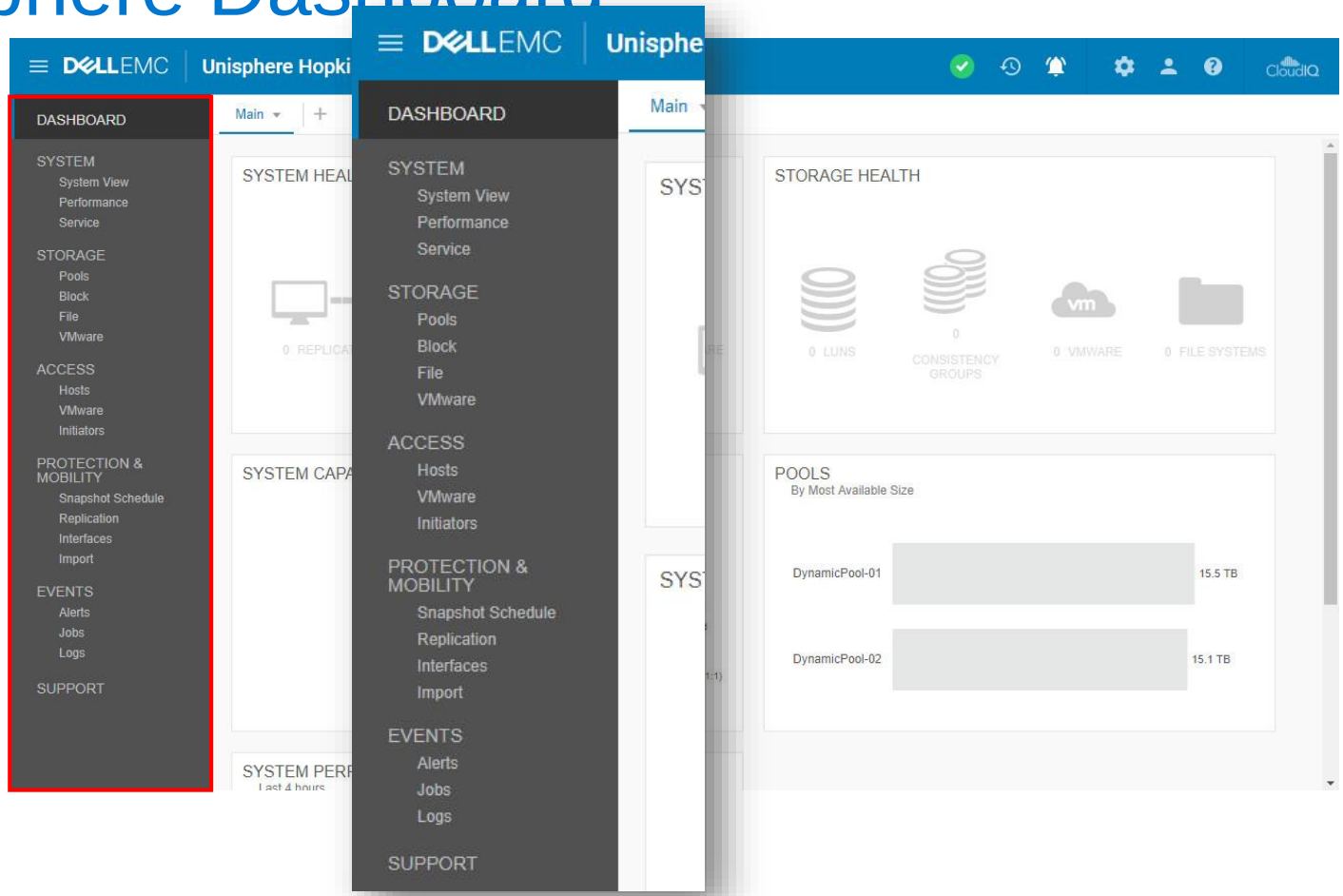
Unisphere Dashboard



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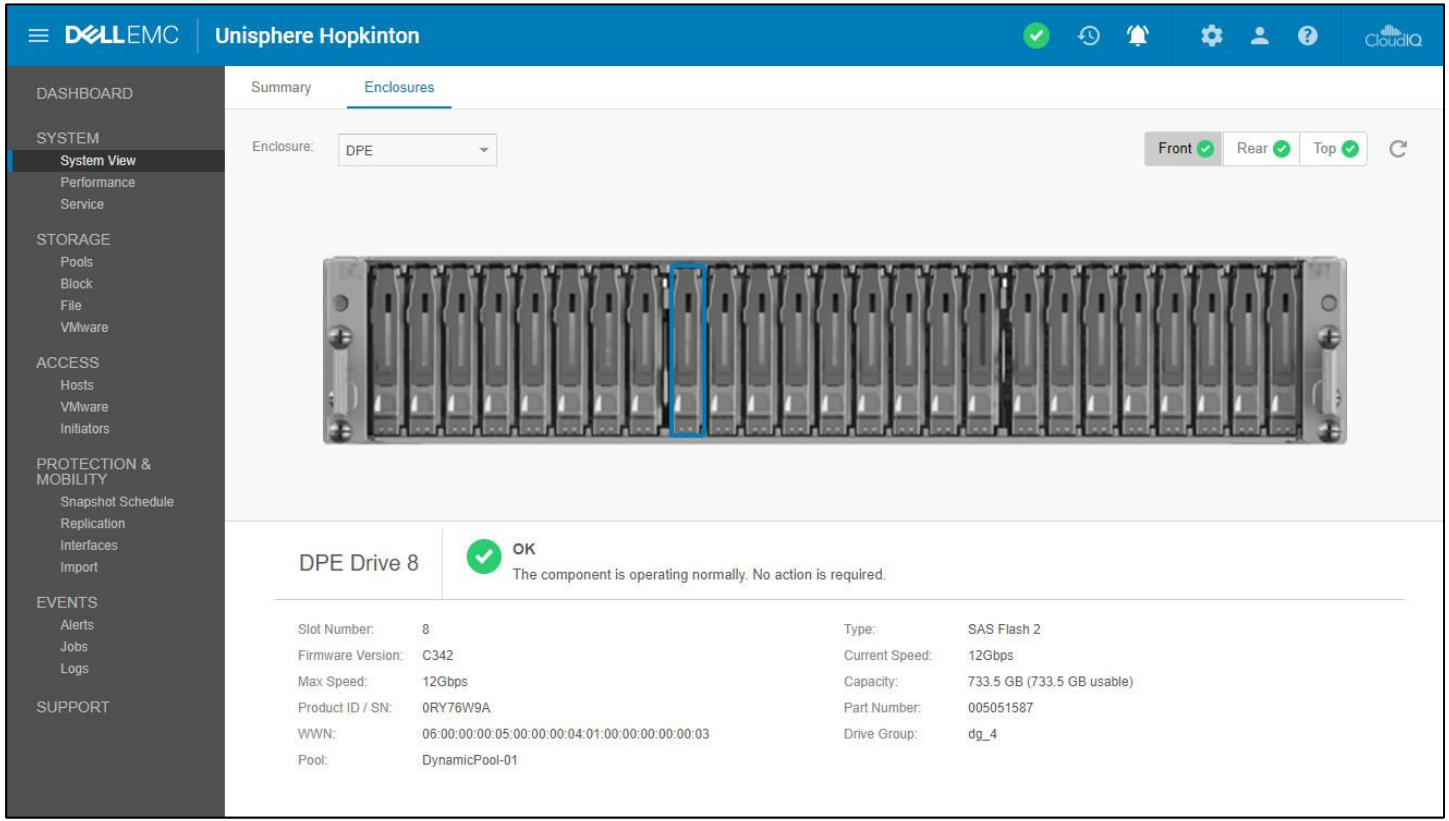
System – System View



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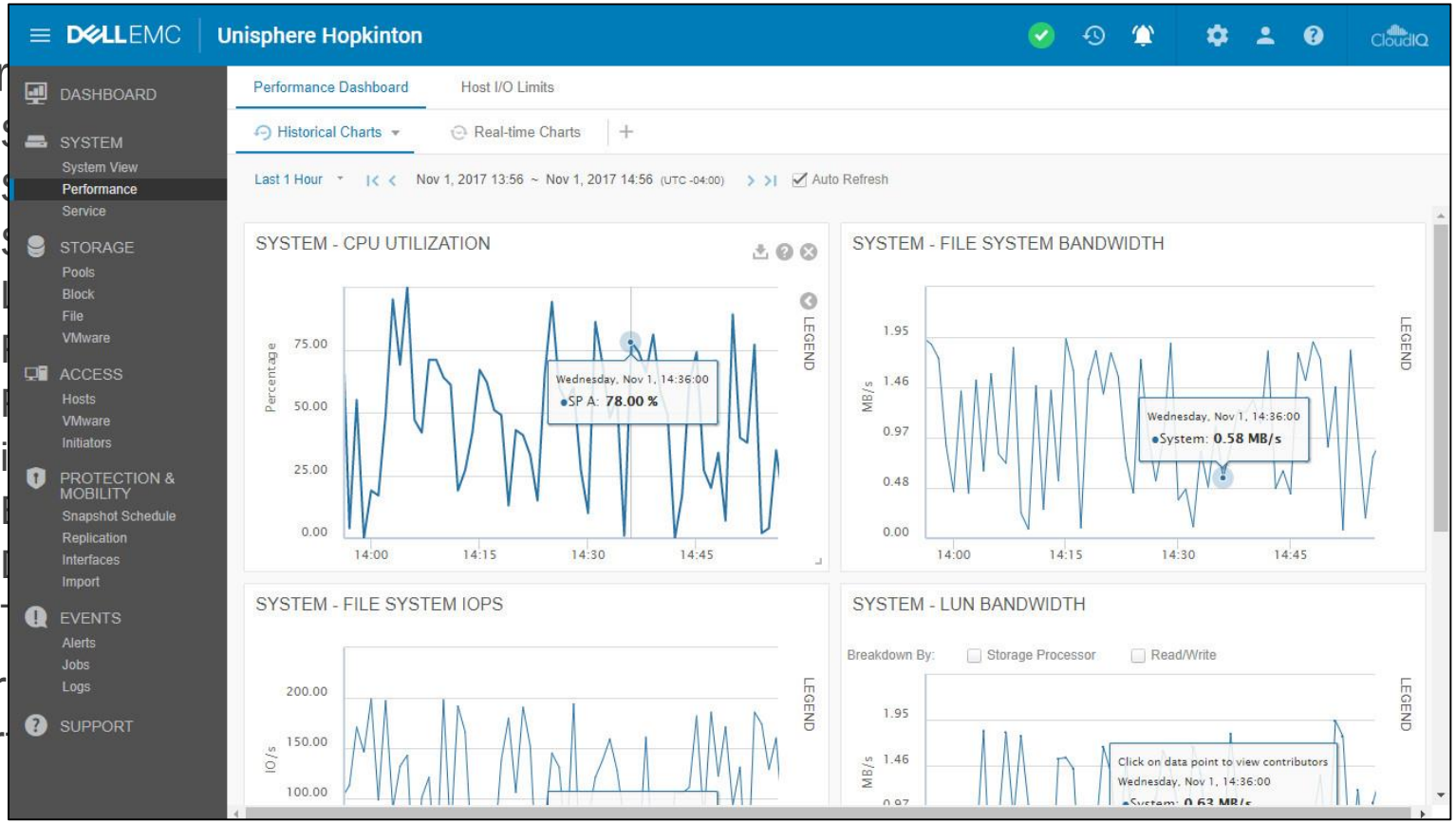
System - Performance

- Per
  - S
  - S
  - S
  - I
  - M
  - M
  - i
  - M
  - D
  - T
- Var
  per



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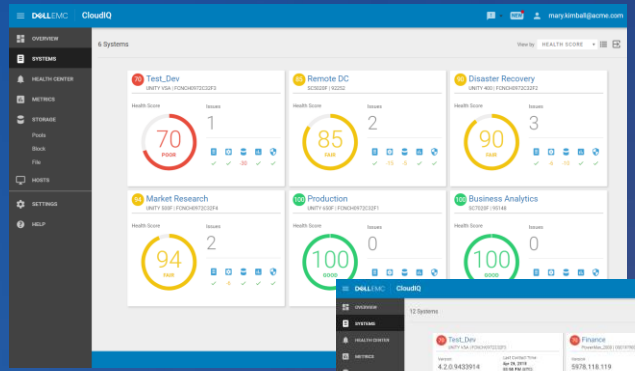
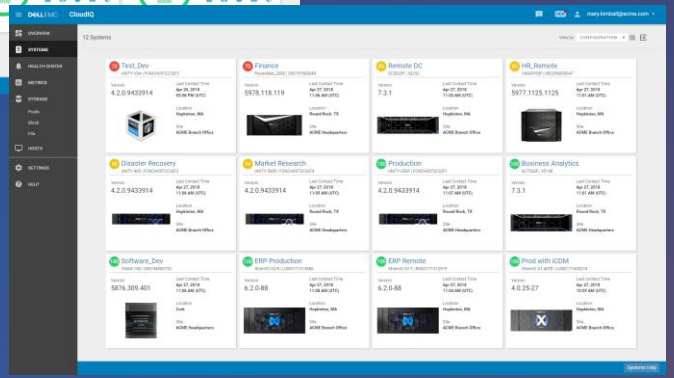
CloudIQ

Le problème informatique le plus facile à résoudre est celui que l'on a évité



Nouvelle interface utilisateur simplifiée

Application mobile pour iPhone et Android



Couverture de l'infrastructure élargie

Cloud Renseignements sur les données

Nouveautés

- Prise en charge élargie
  - VMware
  - Connectrix
  - Intégration API
- Résolution accélérée
  - Anomalies des performances
  - Charges concurrentes
  - Interface utilisateur simplifiée
- Modélisation prédictive
  - Prévision des capacités
  - Analyse de l'impact des performances

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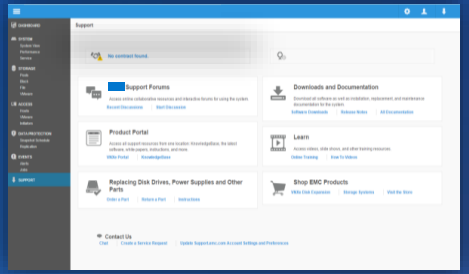
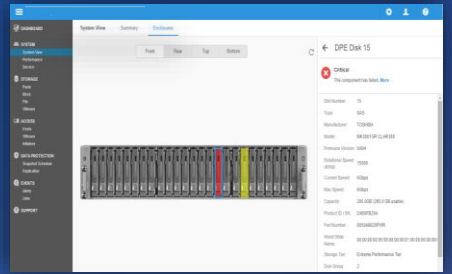
Simplicité intuitive intégrée

Service d'assistance en ligne





- Portail en ligne en libre-service
- Intégré à la GUI de Unisphere
- Sans installation préalable

Vaste support en ligne

Accès à :

- Documentation
- Vidéos
- Chat
- Support correctif
- Guide de commande

« C'est sa **simplicité**. C'est la **facilité** de gestion, la fonction CallHome, la fonctionnalité CloudIQ. Tout cela est **intégré**. »

AOS
A ConvergeOne COMPANY

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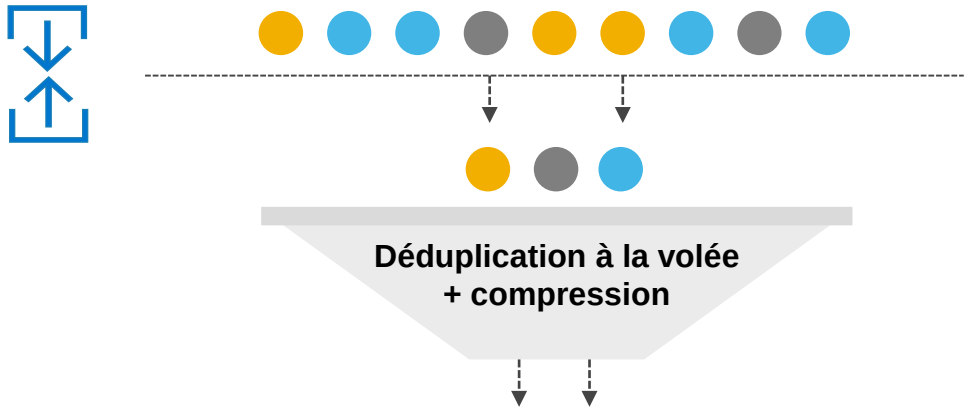
Meilleure efficacité des ressources...



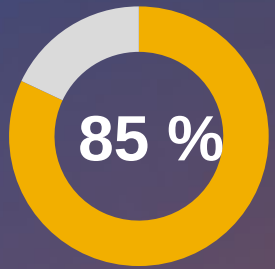
Faible
temps système

Réduction de l'encombrement du stockage pour un faible coût TCO

Optimisation de l'efficacité

Réduction des données jusqu'à un ratio de

5 pour 1



Capacité utile du système

L'efficacité système de 85 % de Dell EMC est calculée en fonction de l'allocation des disques de secours, de l'environnement d'exploitation, de la taille de la configuration et du type RAID.

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Migrations des données tierces en mode bloc

- Tirez le meilleur parti de SANCopy : aucune installation préalable sur les hôtes
- Gestion avec la CLI ou l'API REST
- Prise en charge des fonctionnalités de migration, telles que la mise en pause/reprise, la création, la suppression, le retour arrière, la régulation
- Possibilité de tester la destination avant basculement
- Migration de plusieurs volumes simultanément
- Création de rapports de metrics de migration en temps réel.

Pris en charge pour :

HP EVA

HPE 3PAR

HITACHI HDS

NETAPP FAS

Plus : Dell EMC VMAX, séries SC et PS

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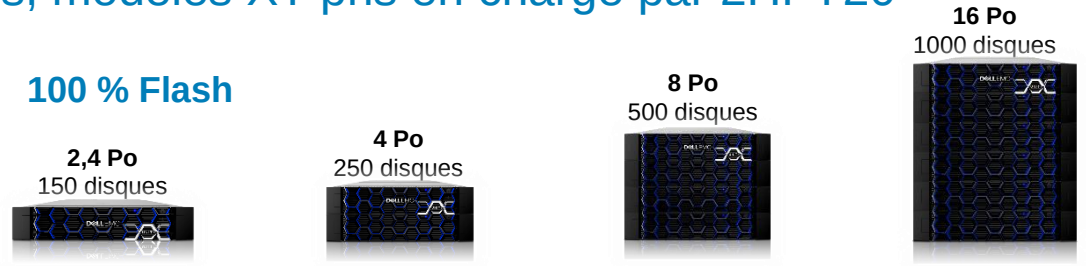
Mises à niveau en ligne du contrôleur Dell EMC Unity

Modèles Dell EMC Unity actuels, modèles XT pris en charge par 2HFY20

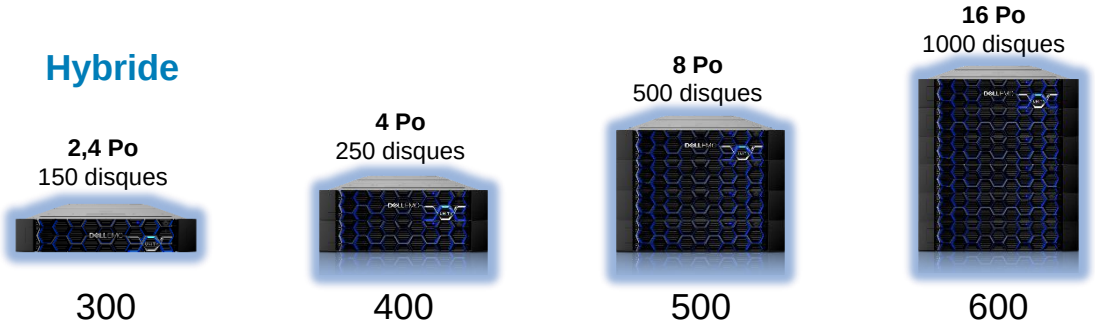
- Mises à niveau au sein de la gamme sans déplacement des données
  - 100 % Flash/100 % Flash
  - Hybride/hybride
- En ligne
  - Aucun temps d'arrêt du système
- Logiciel complet intact

100 % Flash



MISES À NIVEAU SANS DÉPLACEMENT DES DONNÉES **EN LIGNE**, SUR LES MODÈLES 100 % FLASH ET HYBRIDE DE LA GAMME

Hybride



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Data Protection Portfolio Overview

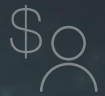
Key Ingredient In Modernization & Transformation

Addressing Data Protection Challenges

CHALLENGES

Increase in data volumes, users, apps

Cloud extensibility



Do more with less

REQUIREMENTS

Simplicity for quick time-to-value

Efficient cloud enablement

Low cost-to-protect

High performance

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Dell EMC Data Protection Portfolio

Protection and Recovery for Multi-cloud

Long Term Retention | Disaster Recovery | Backup to Cloud | In Cloud Backup

Widest multi-cloud data protection use cases and ecosystem coverage

DATA PROTECTION STORAGE

DATA PROTECTION SOFTWARE

DATA PROTECTION INTEGRATED APPLIANCE

Architecture Matters | **Comprehensive Coverage** | **Choice & Flexibility** | **Trusted Provider**

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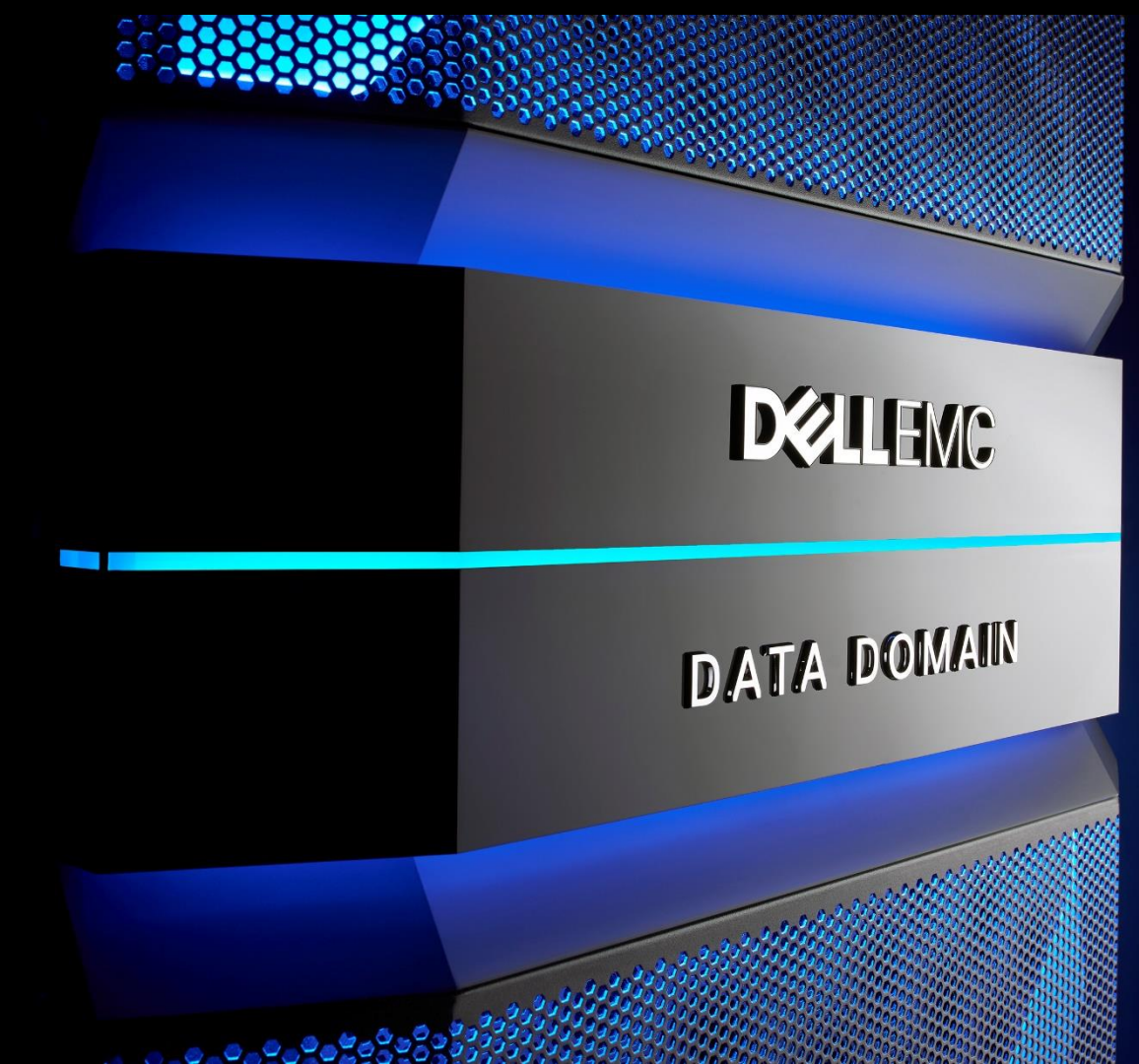
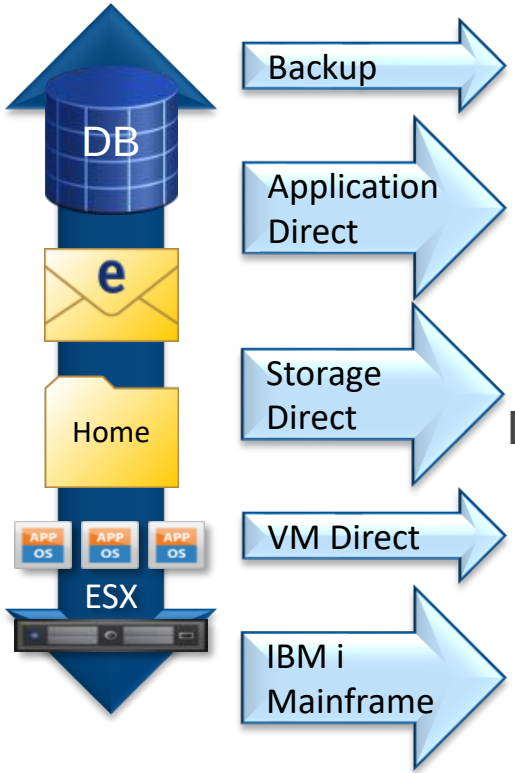


CAPACITY OPTIMIZED PROTECTION STORAGE

DELL EMC

Dell EMC Data Domain Protection Storage

Reduces storage and network requirements



Backup

Application Direct

Storage Direct

VM Direct

IBM i Mainframe

VTL
CIFS
NFS
DD Boost

Consolidate up to 540 sites

Replication

Comprehensive Topologies Supported

Encryption at Rest
Encryption in Flight
Retention Lock (WORM)
Cloud Enabled

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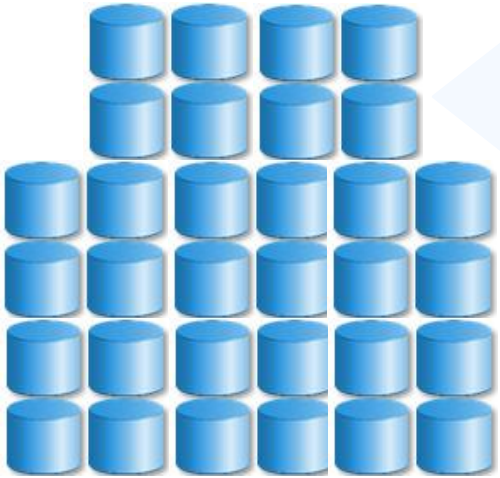
Power of Deduplication: Cost Savings

Real Life Customer Example

24:1 Deduplication

Daily's stored 30 days on disk

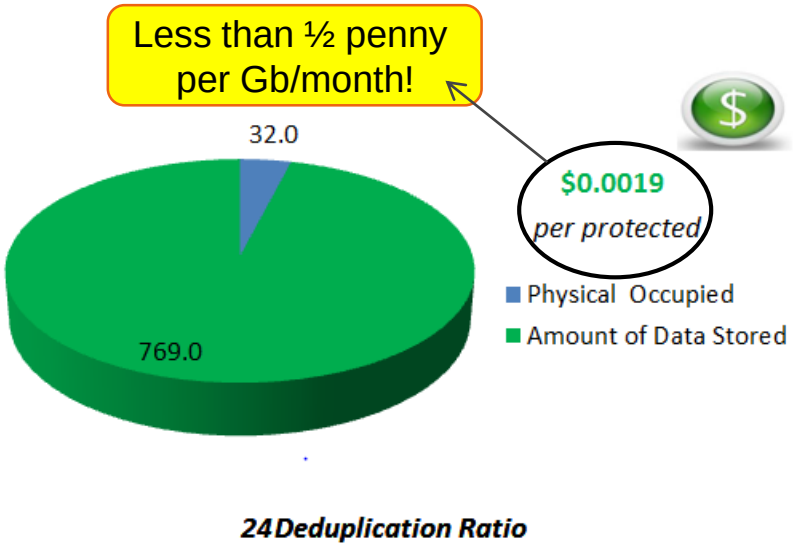
769TB



32TB

96% Data Reduction- 24 to 1

Speed: All backups completed under 3 hrs



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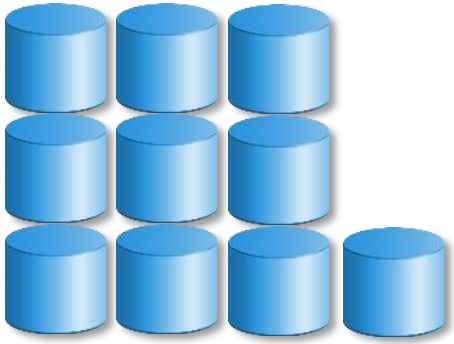
Savings of Deduplication

Real Life Customer Example

66:1

Deduplication

21 PB



322 TB

- 98.5% Data Reduction- 66 to 1
- 58% utilized in Data Center #1
- 66% utilized in Data Center #2
- Cost: 3.5 cents per Logical GB
- Cost to Serve:$0.0009868

Location	Pre-Comp TB	Post-Comp TB	Dedup
Data Center #1	10,715.05	161.85	66:1
Data Center #2	10,461.07	160.34	65:1
Total	**21,176.12**	**322.19**	**65.7:1**

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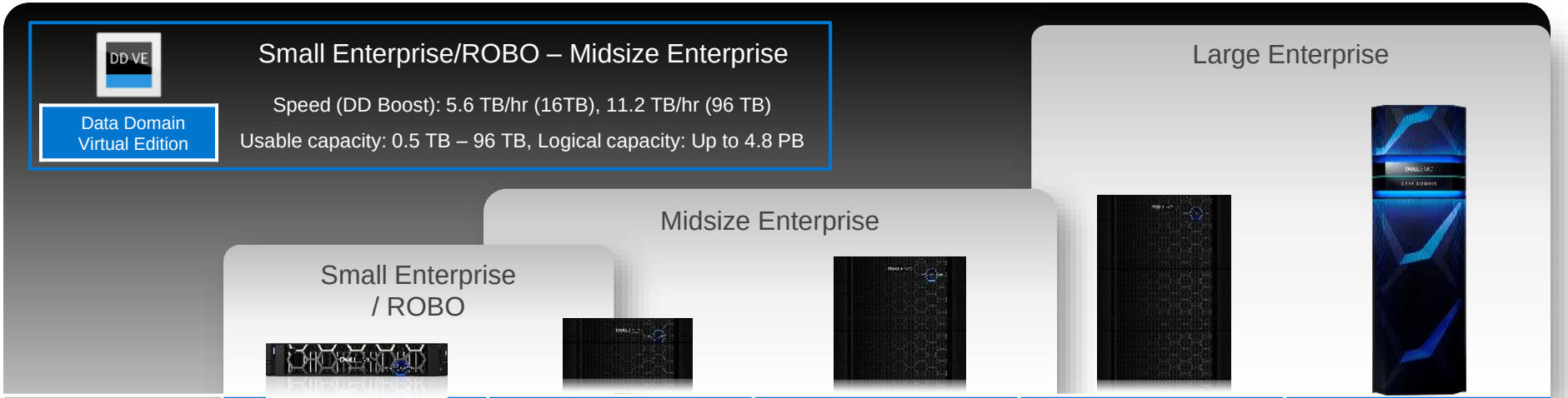
Modernized Data Domain portfolio



	DD3300	DD6300	DD6800	DD9300	DD9800
Speed (DD Boost)	7 TB/hr	24 TB/hr	32 TB/hr	41 TB/hr	68 TB/hr
Speed (other)	4.2 TB/hr	8.5 TB/hr	14 TB/hr	20 TB/hr	31 TB/hr
Logical capacity	200 TB–1.6 PB[1] 600 TB–4.8 PB[2]	1.8–8.9 PB	2.8–14.4 PB[1] 8.4–43.2 PB[2]	7.2–36 PB[1] 21.6–108 PB[2]	10–50 PB[1] 30–150 PB[2]
Usable capacity	4 TB–32 TB[1] 12 TB–96 TB[2]	Up to 178TB	Up to 288 TB[1] Up to 864 TB[2]	Up to 720 TB[1] Up to 2.16 PB[2]	Up to 1 PB[1] Up to 3 PB[2]

[1] Total capacity on Active Tier only
[2] Total capacity with DD Cloud Tier software for long-term retention

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INTEGRATED HARDWARE & SOFTWARE

DELL EMC

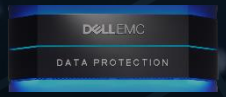
DELL EMC DATA PROTECTION

Comprehensive IDPA Portfolio

Maximum choice and flexibility

Large Enterprise

DP8800



DP8300

Midsize Enterprise

DP5800

DP5300

Midsize & ROBO

DP4400

Usable Capacity

8TB[1]

1PB[1]

Dell - Internal Use - Confidential

1 Total capacity on active tier only.

DELL EMC

DELL EMC DATA PROTECTION

Simplicity in a Converged Solution

Backup servers & storage

Days

2U and 10x[1] faster

Easy to deploy & upgrade

Hours

Backup software

Search & analytics[1]

System management

Cloud DR + LTR

8TB–96TB → + 192TB with

without additional HW

NVMe flash

Densest 2U appliance—up to 20% more capacity[2]

[1]Based on Dell EMC internal testing, May 2018, compared to traditional deployments. Actual results will vary.
[2] Based on Dell EMC internal analysis, May 2018, using Rubrik's and Cohesity's published data. Actual results will vary.

DELL EMC

DELL EMC DATA PROTECTION

Power is Cloud

Long-term Retention

Disaster Recovery

Automated and efficient data movement

Eliminates the need for cloud gateway

API extensible for simplified management

UP TO **192 TB** in the cloud

with Cloud Tier

DELL EMC

DELL EMC DATA PROTECTION

@ Lowest Cost-to-Protect

Protect up to

4x

MORE DATA IN A 2U[1]

55:1

AVG DEDUPE[2]

Up to

98%

LESS BANDWIDTH REQUIRED[1]

Costs up to

80%

LESS TO PROTECT[3]

[1]ESG Lab Review commissioned by Dell EMC, February 2018, versus a competitive vendor A. Additional information on the testing environment.
[2]Based on Dell EMC internal analysis of customer data as of May 2018.
[3]Dell EMC internal analysis using publically available competitive pricing from Rubrik and Cohesity, May 2018. Based on $ per logical GB. Actual cost will vary.

DELL EMC

in Data Protection Appliance
& Software Market*

PROVEN AND TRUSTED

Dell EMC Data Protection

Most Comprehensive Portfolio

High performance & Ease of growth

High efficiency & Low cost-to-protect

Solution-level Simplicity | Single Vendor Worldwide Support

*Based on combined revenue from the IDC 1Q18 Purpose Build Backup Appliance (PBBA) Tracker, with select Storage Software market segments from the 4Q17 Storage Software and Cloud Service Overview.

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DELL Technologies
DELL
DELL EMC
Pivotal
RSA
Secureworks
virtustream
vmware