

# Dell EMC Unity & CloudIQ Update

MDC Japan  
System Engineering

 **DELL**Technologies

# Agenda

- Dell EMC Unity Update
- Dell EMC Unity Roadmap
- CloudIQ Update

# Dell EMC Unity Update

# Virtual Storage Integrator for VMware vSphere Client 8.3

- 2020/02/26リリース
- VMAX All Flash/Dell EMC PowerMax support:
  - Delete Datastores and RDMS.
  - View Datastores and Devices for a selected host or cluster.
  - Edit Storage System Registration.
  - Storage viewing performance improvements.
- XtremIO support:
  - View Datastores and Devices for a selected host or cluster.
  - Edit Storage System Registration: Storage viewing performance improvements.
- **Unity support:**
  - **View Datastores and Devices for a selected host or cluster.**
  - **vVol Datastore support.**
  - **Edit Storage System Registration.**
  - **Storage viewing performance improvements.**

<https://www.dell.com/support/home/sg/en/sghsd1/product-support/product/vsi-for-vmware-vsphere-web-client/overview>

# ESA for vRealize Operations 5.1

- 2020/03/26リリース
- 新機能
  - Support for VPLEX v2 API from VPLEX 6.2 release onwards.
  - Support ESA usage tracking when connecting to PowerMax.
- Bug Fix
  - **Unity**: The following relationship is missing when Unity and vsphere adapters are located in different nodes: VVol Datastore - VM

<https://www.dell.com/support/home/sg/en/sghsd1/product-support/product/vro-plugin-for-unity/overview>

# vRO Plugin for Dell EMC Unity 1.0.2

- 2020/03/18リリース
- **新機能**
  - Storage Management
  - Snapshot Management
  - VMware Integration
  - NAS services
  - Creation and management of NFS and SMB shares

<https://www.dell.com/support/home/sg/en/sgbsd1/product-support/product/vro-plugin-for-unity/overview>

# CSI Driver for Dell EMC Unity 1.1

- 2020/04/09リリース
- 新しくサポートされる機能
- Persistent volume (PV) capabilities:
  - Create
  - List
  - Delete
  - Mount
  - Unmount
- Supports mounting volume as file system.
- Supports snapshot creation.
- Supports creation of a volume from a snapshot.
- Supports static volumes and dynamic volumes.
- Supports Bare Metal machine type.
- Supports Virtual Machine type.
- Supports SINGLE\_NODE\_WRITER access mode.
- Supports CentOS 7.6 as host operating system.
- Supports Red Hat Enterprise Linux 7.6 as host operating system.
- Supports Kubernetes version 1.14.
- Supports Unity OE 5.0 | Supports FC Protocol.
- Supports iSCSI Protocol.

: <https://github.com/dell/csi-unity>

# CloudIQ Update



# CloudIQでサポートされているストレージ

ストレージの状態をどこからでも簡単に監視



Dell EMC Unity  
& Unity XT



SC Series



PowerVault



VxBlock



PowerMax



Isilon



XtremIO



Connectrix

# Customers Using CloudIQ (as of Feb. 18, 2020)

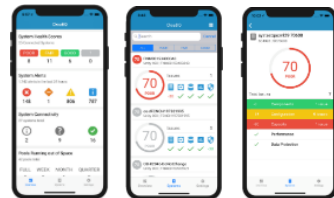
Unique Customers  
Onboarded and  
Using CloudIQ

5,900

Product Family	# Systems
Unity	15111
PMAX	2643
XtremIO	2587
SC Series	2188
Connectrix	722
Isilon	535
PowerVault	42
VxBlock	4

Total Storage Systems Sending  
Data for Onboarded Customers

23,880



3054 Mobile Users



11,800  
Customers registered for  
CloudIQ email notification

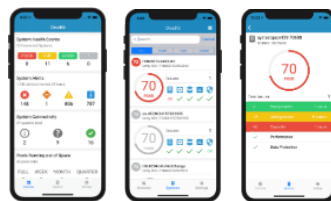
# CUSTOMERS USING DELL EMC CLOUDIQ

UNIQUE CUSTOMERS  
ONBOARDED AND  
USING CLOUDIQ

6,064

**PASSED 6K!**

Mobile App for  
iPhone & Android



3213 Mobile Users

TOTAL STORAGE SYSTEMS  
SENDING DATA FOR  
ONBOARDED CUSTOMERS

24,841



Customers registered for  
CloudIQ email notification

CloudIQ data: as of March 10, 2020

# 競合比較

■ 同等

■ 優位

■ ギャップ

DELL EMC

CloudIQ

Hewlett Packard  
Enterprise

InfoSight

PURE  
STORAGE

Pure 1 / Meta

NetApp

ActiveIQ

既知問題の識別	Pinpoint the specific systems connected to CloudIQ with the matching issue signatures for more proactive remediation	✓	✓	✓	✓
マルチプラットフォームサポート	Extend the CloudIQ Single Pane of Glass monitoring across the Dell EMC Storage Portfolio	Unity, PMax, SC XtremIO Now Isilon, PV, VxBlock	✓	✓	✓
VMWare 統合	VM-level granularity and visibility	✓	✓	✓	✗
モバイルアプリ	Receive CloudIQ notifications anywhere, anytime	✓	✓	✓	✓
システムヘルススコア + 履歴	Summarized Health Score per system, across 5 key categories, with 2-year history	✓	✗	✗	✓ (3 mo. history)
パフォーマンス異常とインパクト分析	Proactively identify anomalies perf impacts across storage stack + Workload and Resource Contenders to for more intelligent troubleshooting	✓	✗	✗	✗
スイッチのサポート	Include switches in single pane monitoring	✓	Planned	✗	✗
再利用可能なストレージの識別	Identify storage that may no longer be actively used, to optimize your storage capacity	✓	✓	✗	✗
ターゲットコードの識別	Quickly identify systems below recommended target code, to easily initiate actions to update	✓	✓	✗	✓
ワークロードプランニング	Workload placement recommendations	~ Native to PMAX	✗	✓	✗
サーバのサポート	Include servers in single pane monitoring	In discussions; not committed	✓	Potential Cisco Partnership	✗

# InfosightはCloudIQより優れていますか？



CloudIQ

InfoSight

既知問題の識別	Pinpoint the specific systems connected to CloudIQ with the matching issue signatures for more proactive remediation	✓	✓
マルチプラットフォームサポート	Extend the CloudIQ Single Pane of Glass monitoring across the Dell EMC Storage Portfolio	Unity, SC, XtremIO, VMAX, PowerMax	✓
VMWare 統合	VM-level granularity and visibility	✓	✓
クロススタックの推奨事項	Assists in optimizing VM performance by diagnosing the root cause of performance bottlenecks, in storage, network and virtualization layer (VMWare only)	In process	Nimble
モバイルアプリ	Receive CloudIQ notifications anywhere, anytime	✓	✓
個々システムへのリンクや起動の埋め込み	Easy link-and-launch into Element Manager for follow-on active management tasks	✓	✓
システム単位のヘルススコア	Summarized Health Score, across 5 key categories, at a per-system granularity	✓	✗
ヘルススコアの履歴	2-year history of Health issues, which helps identify intermittent and recurring issues	✓	✗
パフォーマンス異常検知	Pinpoint anomalous performance behavior for faster and more intelligent troubleshooting	✓	✗
スイッチのサポート	Include switches in single pane monitoring	✓	✗
再利用可能なストレージの識別	Identify storage that may no longer be actively used, and thus be a good candidate for deletion, to optimize your storage capacity	✓	✓
ターゲットコードの識別	Quickly identify systems below recommended target code, to easily initiate actions to update	✓	✓
フラッシュの摩耗の可視化	Proactively identify flash drives, that will require replacement most immediately	✓	✗
ワークロードプランニング	Workload placement recommendations	Native to VMAX	Primera, Nimble
サーバ, HCI, & データ保護製品のサポート	Includes storage, servers, HCI, and data protection appliances in single pane monitoring	In discussions	✓

■ 同等

■ 優位

■ ギャップ

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