

Manage

언제 어디서나 연결되는 여러분의 비즈니스

HPE 김흥준 매니저

Jun 11, 2024

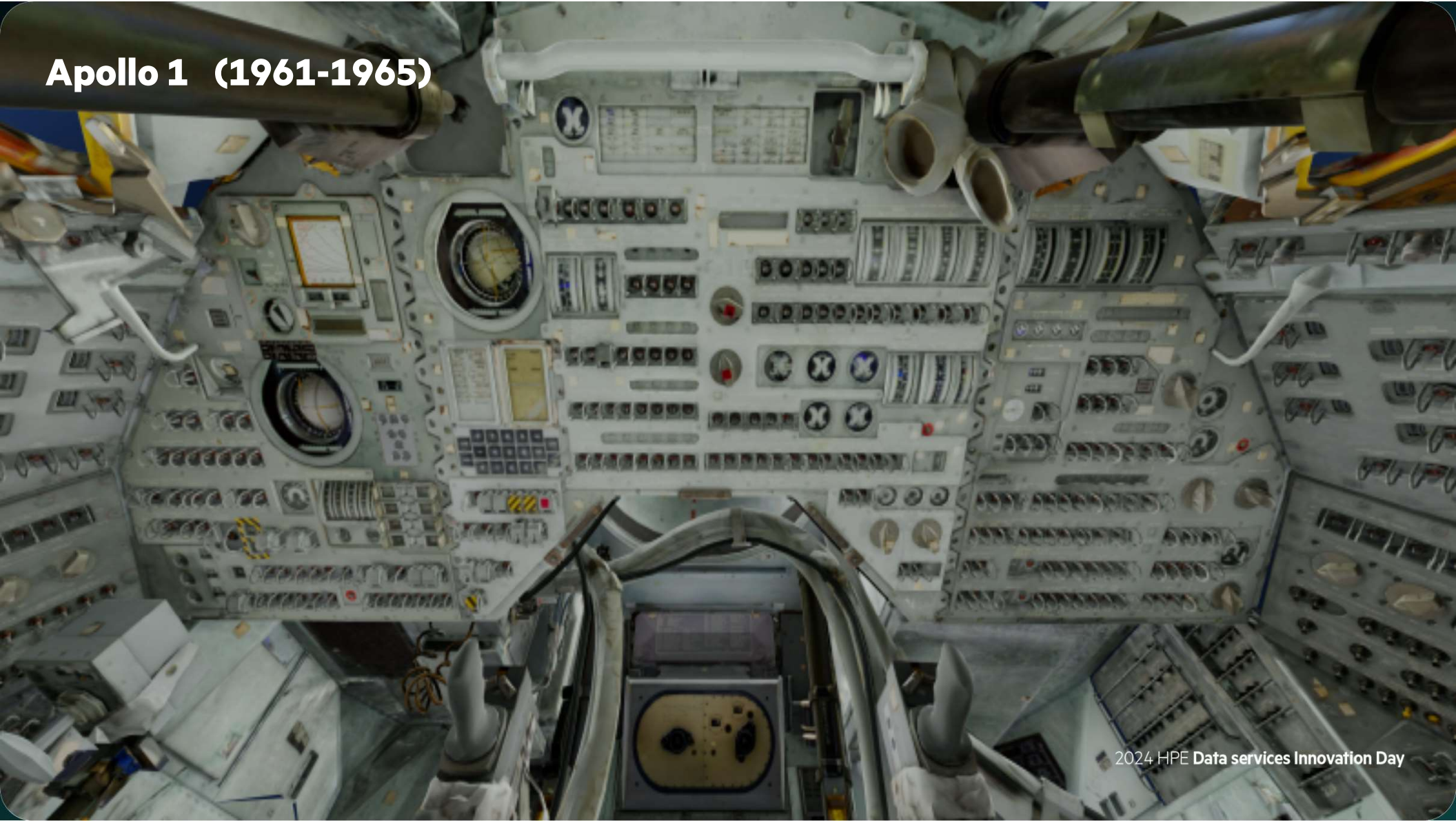
STORE

MANAGE

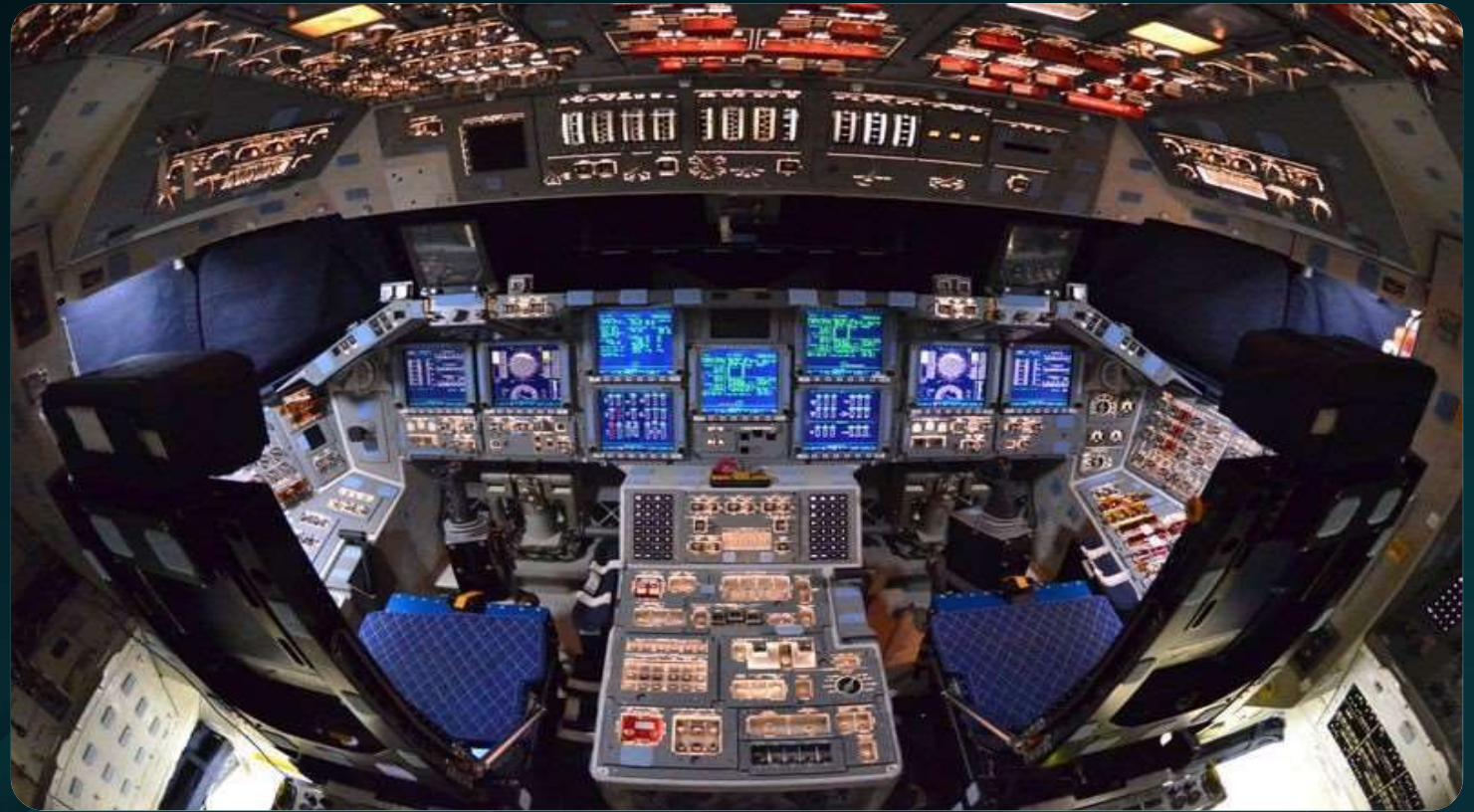
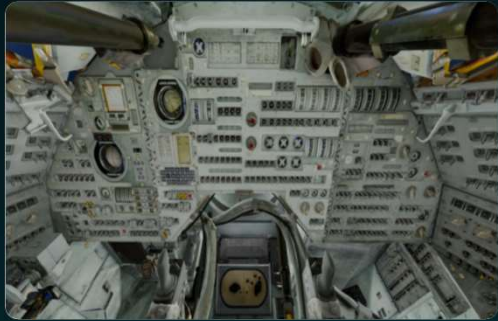
PROTECT



Apollo 1 (1961-1965)



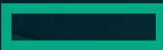
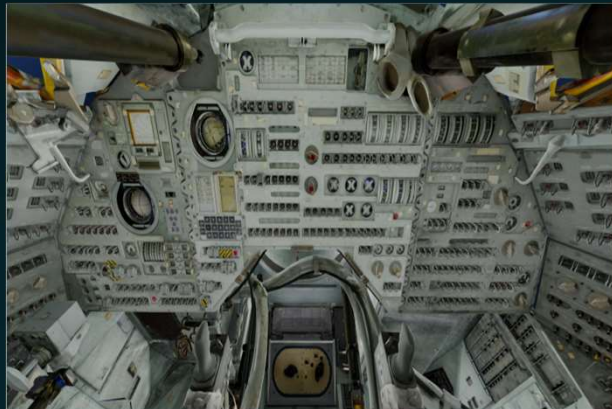
Space Shuttle (1981-2011)



Dragon 2 (2019 ~)



Evolution history of User Interface

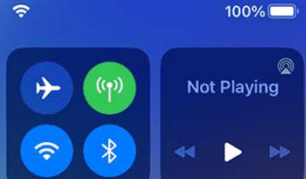


DSCC

Data Services Cloud Console



DSCC



Welcome to Data Services Cloud Console

Backup and Recovery

Automated protection with rapid recovery and cost efficient long term retention.

Launch

Block Storage

Simple and easy to provision, protect, and manage block storage that meets your application needs.

Launch

CloudPhysics

Quickly analyzes your data center infrastructure to reveal cost and performance optimizations.

Launch

Disaster Recovery

Recover in minutes to a point just seconds before with always-on replication for virtual machines.

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Data Ops Manager

Simplify storage management at scale with fleet-wide management and monitoring.

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File Storage

File-based storage accessed through standard file serving protocols.

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Private Cloud Business Edition

Global Lifecycle Management of infrastructure and virtualization resources.

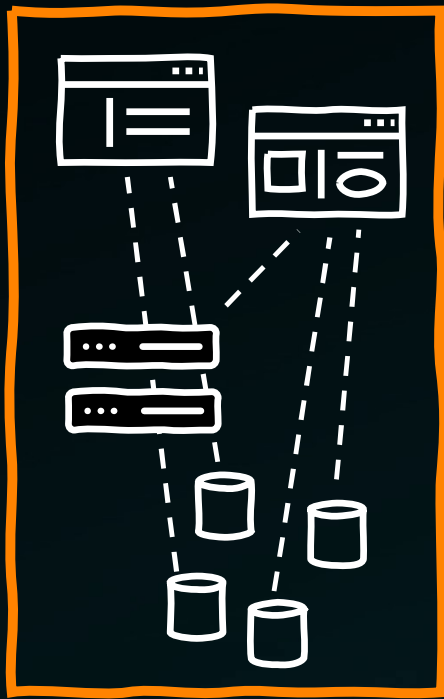
Launch

Storage Fabric Management

Accelerates configuring, monitoring, and managing Storage Fabrics.

Launch

기존에는?



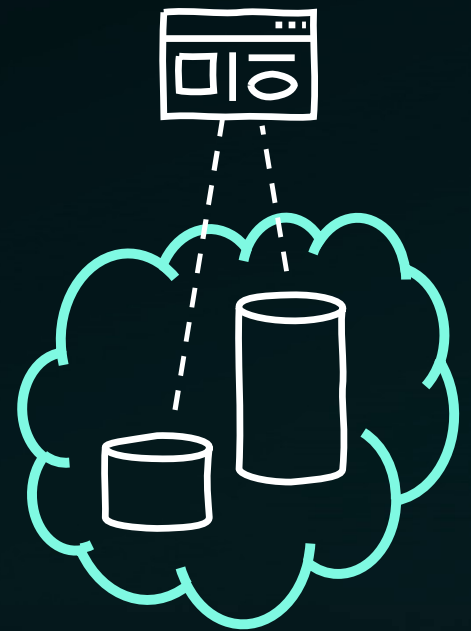
EDGE



DC-1



DC-2



CLOUD



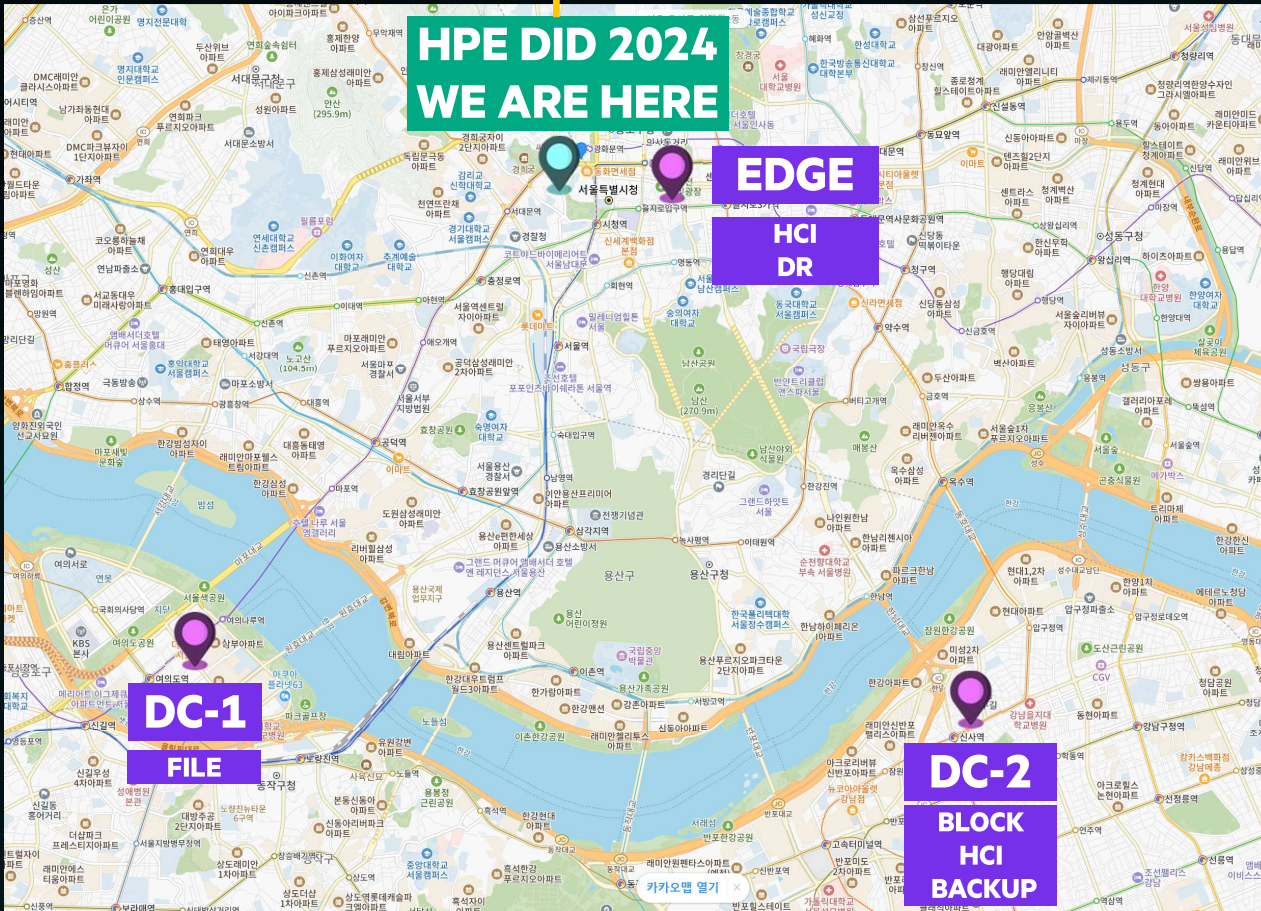
HPE 가 제공하는 사용자 경험

DSCC

통합 클라우드 관리 콘솔



DSCC 접속환경



HPE
클라우드 백업
데이터 저장소



Live

DEMO



Future is Today with HPE!

Alletra MP Block for AWS

One Platform

언제 어디서나 연결되는 여러분의 비즈니스



DR Replication



New

Alletra MP Block for AWS

Alletra MP Block for Local

Alletra MP Block for AWS

DEMO



Welcome to Data Services Cloud Console

<h3>Backup and Recovery</h3> <p>Automated protection with rapid recovery and cost efficient long term retention.</p> <p>Launch</p>	<h3>Block Storage</h3> <p>Simple and easy to provision, protect, and manage block storage that meets your application needs.</p> <p>Launch</p>	<h3>CloudPhysics</h3> <p>Quickly analyzes your data center infrastructure to reveal cost and performance optimizations.</p> <p>Launch </p>	<h3>Disaster Recovery</h3> <p>Recover in minutes to a point just seconds before with always-on replication for virtual machines.</p> <p>Launch</p>
<h3>Data Ops Manager</h3> <p>Simplify storage management at scale with fleet-wide management and monitoring.</p> <p>Launch</p>	<h3>File Storage</h3> <p>File-based storage accessed through standard file serving protocols.</p> <p>Launch</p>	<h3>Private Cloud Business Edition</h3> <p>Global Lifecycle Management of infrastructure and virtualization resources.</p> <p>Launch</p>	<h3>Storage Fabric Management</h3> <p>Accelerates configuring, monitoring, and managing Storage Fabrics.</p> <p>Launch</p>

Future is Today with HPE!

Alletra MP File

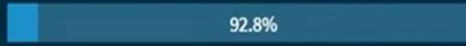
Alletra MP File

DEMO



Capacity

Data Reduction 2.1:1



Usable i

- Used: 39.865 TB
- Auxiliary: 0 Bytes
- Free: 512.852 TB

Logical i

- Used: 84.945 TB
- Auxiliary: 0 Bytes
- Free: 1.092 PB

Performance

Replication



Inventory

	Active	Failed	Other i
CNodes >	✓ 4	0	0
DNodes >	✓ 2	0	0
NVRAMs >	✓ 12	0	0
SSDs >	✓ 44	0	0



Future is Today with HPE!

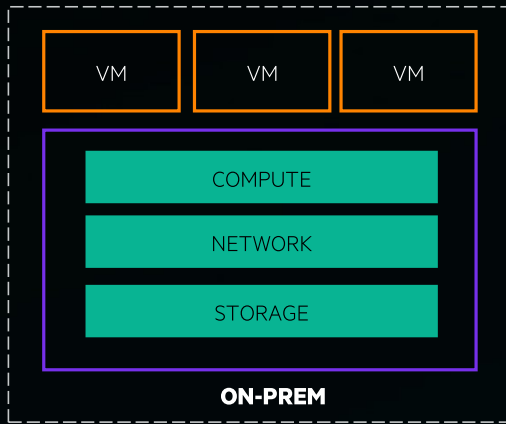
PCBE

Private Cloud Business Edition

PCBE

☑ Super Easy

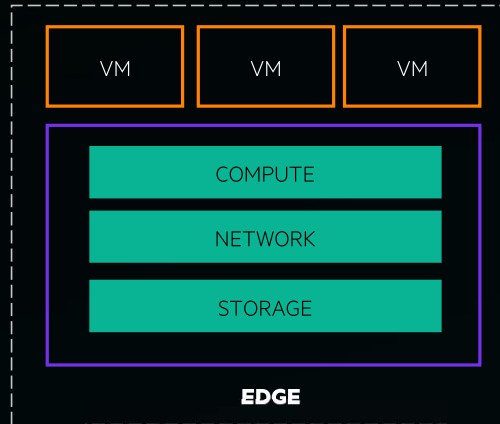
가상화를 안 써본 고객도 쉽게



dHCI

☑ Hybrid Cloud 관리

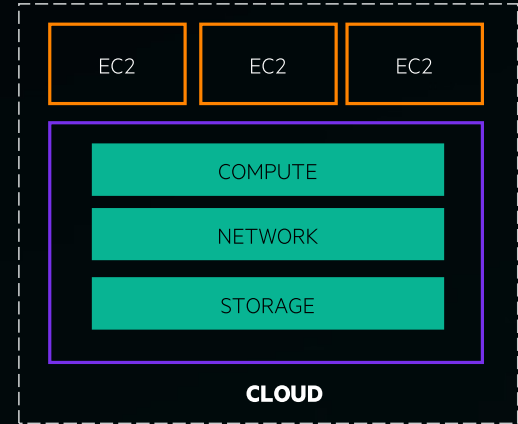
AWS, Azure, VMware 동시 관리



SimpliVity

☑ 다른 서비스와 연동

백업, DR



PCBE
Private Cloud Business Edition

DEMO





Data Services Cloud Console 콘솔을(를) 시작합니다.

백업 및 복구

신속한 복구 및 비용 효율적인 장기 보존을 통한 자동 보호.

시작

블록 스토리지

애플리케이션 요구를 충족하는 블록 스토리지를 간단하고 쉽게 프로비저닝, 보호 및 관리할 수 있습니다.

시작

CloudPhysics

데이터 센터 인프라를 신속하게 분석하여 비용 및 성능 최적화를 찾아냅니다.

시작 [↗](#)

재해 복구

가상 머신에 대한 상시 복제를 통해 몇 초 전의 시점까지 몇 분 만에 복구합니다.

시작

데이터 옴스 관리자

전체 풀릿의 관리 및 모니터링을 통해 대규모 스토리지 관리를 간소화합니다.

시작

파일 스토리지

표준 파일 제공 프로토콜을 통해 액세스 되는 파일 기반 스토리지.

시작

프라이빗 클라우드 비즈니스 에디션

인프라 및 가상화 리소스의 글로벌 수명 주기 관리.

시작

스토리지 패브릭 관리

스토리지 패브릭의 구성, 모니터링 및 관리를 가속화합니다.

시작



이더 기반 프로비저닝



가사



이중 권한 부여



Email Notifications

Send Feedback

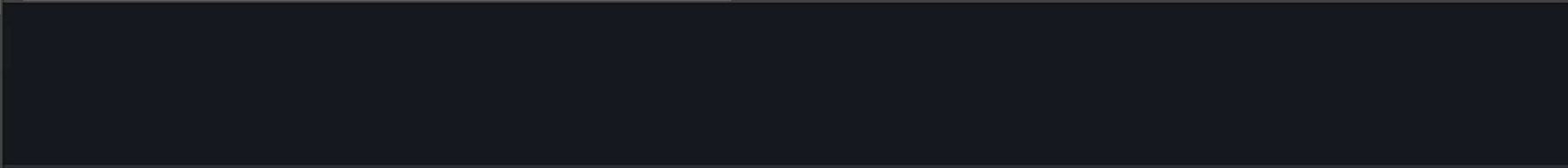
- EC2 대시보드
- EC2 글로벌 보기
- 이벤트
- 인스턴스
 - 인스턴스
 - 인스턴스 유형
 - 시작 템플릿
 - 스팟 요청
 - Savings Plans
 - 예약 인스턴스
 - 전용 호스트
 - 용량 예약
- 이미지
 - AMI
 - AMI 카탈로그
- Elastic Block Store
 - 볼륨
 - 스냅샷

인스턴스 (4) 정보

인스턴스 상태를 속성 또는 (case-sensitive) 태그로 찾기 모든 상태

인스턴스 상태 = running 필터 지우기

Name	인스턴스 ID	인스턴스 상태	인스턴스 유형	상태 검사	경보 상태	가용 영역	퍼블릭
AWS-EC2-01	i-08ad16ae02e1f10ba	실행 중	t2.nano	2/2개 검사 통과...	경보 보기	ap-northeast-2a	ec2-52-
AWS-EC2-02	i-0cfff03f81a6fd307	실행 중	t2.nano	2/2개 검사 통과...	경보 보기	ap-northeast-2a	ec2-43-
AWS-EC2-03	i-09ecd8837f2543a68	실행 중	t2.nano	2/2개 검사 통과...	경보 보기	ap-northeast-2a	ec2-3-3
AWS-EC2-04	i-0cbe961d9c591ff4c	실행 중	t2.nano	2/2개 검사 통과...	경보 보기	ap-northeast-2a	ec2-43-



인스턴스 선택

Future is Today with HPE!

Backup and Recovery

Backup and Recovery

☑ Super Easy

백업을 안 써본 고객도 쉽게

☑ Hybrid Cloud 보호

VM, DB, Cloud 백업

☑ 비용 효율성

초 고성능 압축/중복제거
데이터 다운로드 비용 無





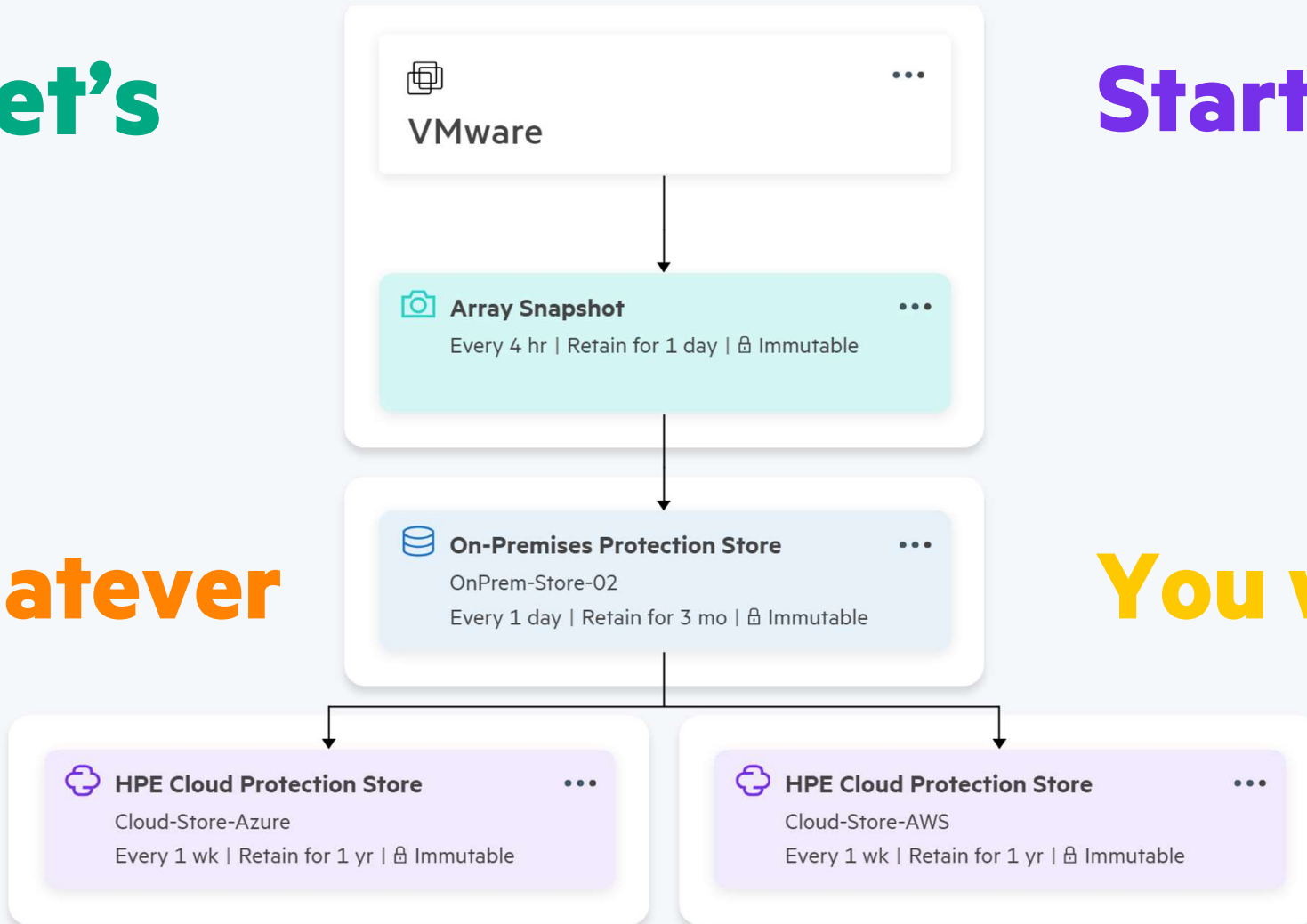


Let's

Start

Whatever



You want



Create Protection Policy



2024-DID 

VMware 





Reset

Done

4

3

2

1

1

1

1

■ Array Snapshot ■ On-Premises Protection Store ■ HPE Cloud Protection Store Expand All

The screenshot displays a data protection chain with three main components:

- CECBlock Nimble (Array Snapshot):** Contains 3 Groups. The '0 - 1 Day' category has 72 Recovery Points, with the most recent being '21 minutes ago'.
- SO1Q05W... Protection St... (On-Premises Protection Store):** Contains 3 Groups. The '0 - 1 Day' category has 1 Recovery Point ('15 hours ago'). The '1 - 7 Days' category has 6 Recovery Points, ranging from '2 days ago' to '7 days ago'.
- SO1Q05W... Protection St... (HPE Cloud Protection Store):** Contains 3 Groups. The '0 - 1 Day' category has 1 Recovery Point ('15 hours ago'). The '1 - 7 Days' category has 6 Recovery Points, ranging from '2 days ago' to '7 days ago'.

A context menu is open over the '15 hours ago' recovery point in the HPE Cloud Protection Store, showing the following details:

18/May/2023 12:00 AM	
State	Ok
Point in time	18/May/2023 12:00 AM
Expires	17/Jun/2023 12:01 AM
Consistency	Crash
Immutable	Yes
Index State	Not Indexed
Protection Type	VMware CBT
Delete Recovery Point	
Change Expiration	
Recover	



AWS Backup on the DSCC

EC2 (VM)

Summary

Deleted **subnet-d41bf5da** M6i Type

Protection: a month ago (Recent success), 3 months ago (Recent Failure)

Cloud-Policy: Protection Policy

Copies Schedules Tasks

HPE Cloud Backup

- HPE Cloud Cloud
- HPE Clo... 2 Groups
 - 1 - 7 Days 12 Recovery Points
 - 1 days ago
 - 1 days ago
 - 2 days ago
 - 2 days ago
 - 3 days ago
 - 3 days ago
 - 4 days ago
 - 4 days ago

Associated Info

- Account Name: bc551240-8b72-410e-93bb-9f9f0c0a0a3
- Availability Zone: SouthZone
- Region: us-west-1
- VPC: vpc-6370ec41
- Subnet: subnet-d41bf5da

EKS (컨테이너)

EKS Clusters / CEC-EKS / default

Recovery Points Schedules Tasks

AWS Snapshot HPE Cloud Protection Store

- EKS default
 - AWS Snap... Snapshot
 - AWS Sna... 1 Groups
 - HPE Cloud... Cloud
 - HPE Clo... 1 Groups
 - 0 - 1 Day 2 Recovery Points
 - 19 hours ago
 - 19 hours ago

General

- Provider State: Ok
- Protection Status: Protected
- Type: Namespace
- Protection Policy: AWS-EKS
- Latest Recovery Point: 19 hours ago
- Recent Failure: -

Resources

- Namespace: default

Associated Info

- Storage Class

EBS (Block 스토리지)

Recovery Points Schedules Tasks

AWS Snapshot

- EBS vol-0abb7adcf...
 - AWS Snap... Snapshot
 - AWS Sna... 1 Groups
 - 0 - 1 Day 2 Recovery Points
 - 1 minutes ago
 - 3 minutes ago

General

- State: Ok
- Protection Status: Partial
- Type: gp3
- Protection Policy: AWS-EKS
- Latest Recovery Point: a few seconds ago
- Recent Failure: -

Associated Info

- EBS Volume ID: vol-0abb7adcf03670cd21
- Account Name: ZUNGWON

RDS (DB)

Recovery Points Schedules Tasks

AWS Snapshot

- RDS mariadb
 - AWS Snap... Snapshot
 - AWS Sna... 1 Groups
 - 0 - 1 Day 2 Recovery Points
 - 19 hours ago
 - 19 hours ago

General

- Provider State: Available
- State: Ok
- Protection Status: Protected
- Type: Database Instance
- Protection Policy: AWS-RDS
- Latest Recovery Point: 19 hours ago
- Recent Failure: -

Associated Info

- Account Name: ZUNGWON

Backup and Recovery

DEMO





Dashboard

Inventory Summary

3
VMware

1
AWS

Protection Jobs

All VMware Volumes MSSQL AWS

226
Success

Data Services Cloud Console

- Backup and Recovery
- Disaster Recovery
- Private Cloud Business Edition
- Block Storage
- Data Ops Manager
- Storage Fabric Management
- CloudPhysics
- File Storage
- Intent-based Provisioning
- Email Notifications
- Tasks
- Audit
- Secrets
- Dual Authorization
- Setup Service

Issues

The NTP service for Data Orchestrator Master-DO is degraded
Generic
5 days ago
[View Details](#)

[View All](#)

Announcements

Activate Windows
Go to Settings to activate Windows.
[View Details](#) 1 of 1

Refresh cloud service provider account RDS inventory [ZUNGWON] Backup and Recovery | Name: ZUNGWON

Inventory Summary

3 VMware

vCenters	3
Virtual Machines	229
Datastores	38

1 AWS

1 Application Hosts

Policy Assignments



☰ Dashboard 🔄

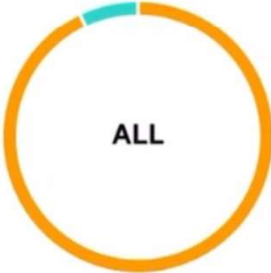
Inventory Summary

📄 **3**
VMware

📄 **1**
Application Hosts

👤 **1**
AWS

Policy Assignments



■ Assigned	19
■ Unassigned	239

Future is Today with HPE!

Disaster Recovery

Disaster Recovery

DEMO



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Cloud Physics

Cloud Physics

DEMO



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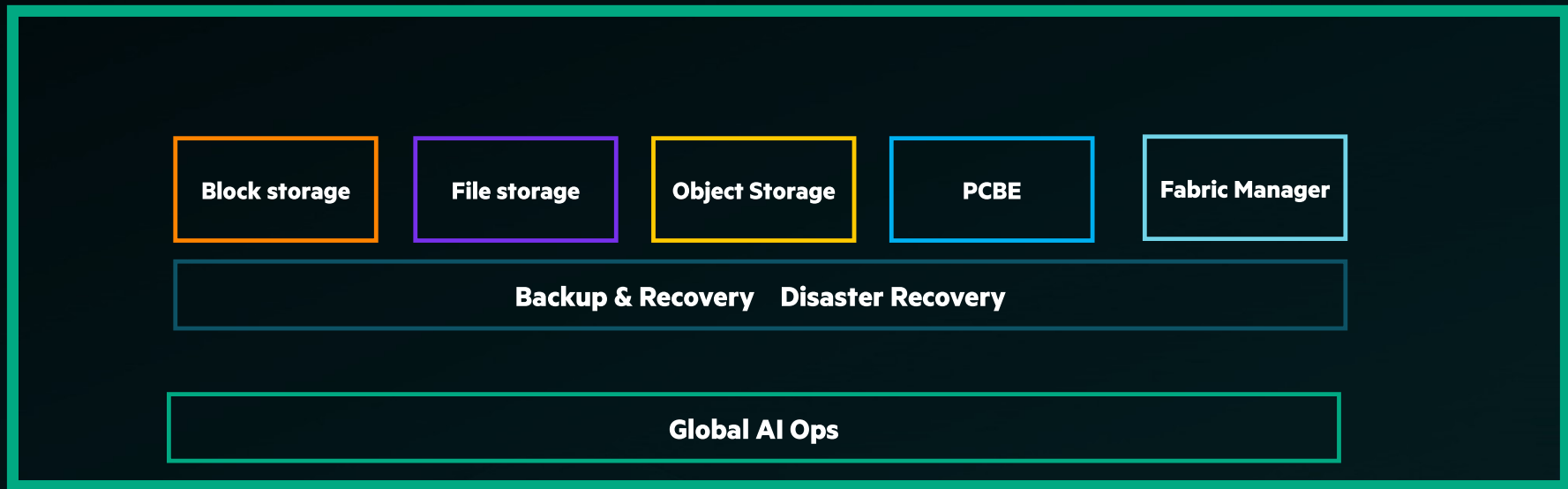
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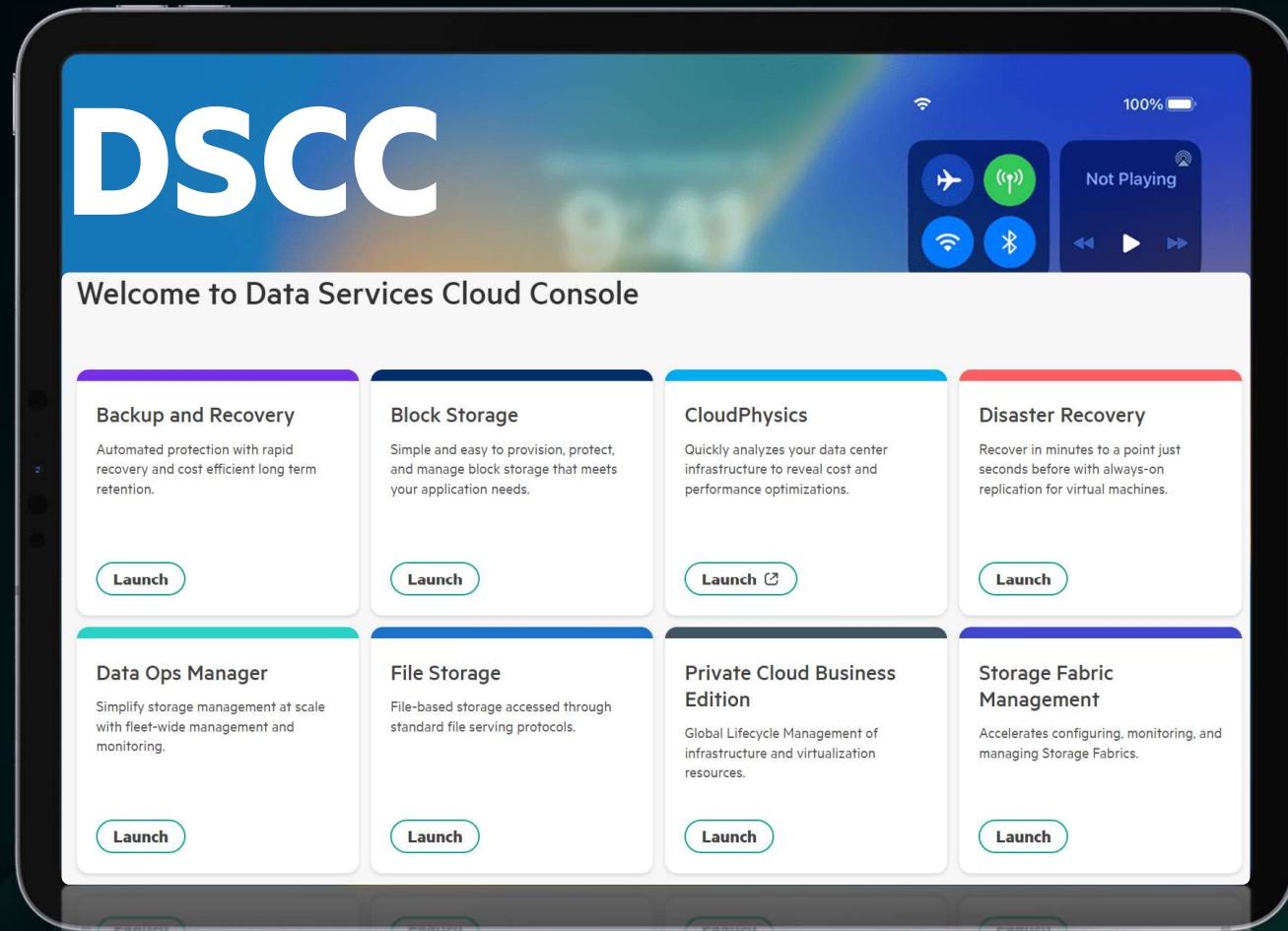
WHY **MANAGE** BY HPE?

DSCC



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Super Easy



Askstorage@hpe.com