Technology    Cyber security

Nine's cyber awakening represents an alarm call for all businesses

Australian Financial Review, 31/03/2021

Staff unable to access patient files after Easter[n] Health cyber attack

The Age, 29/03/2021

The Australian

Cyber attacks: banks, super 'only a matter of time', warns APRA

The banking regulator has warned it is only a matter of time before a major bank, insurer or super fund in Australian suffers a major cyber...

18 hours ago

The Australian, 30/03/2021

# Protecting your data against Cyber Attacks

## Introducing Data Vault by Macquarie Cloud Services

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# How much is your organisations data worth?

Data is the most valuable asset an organisation has. With the digitisation of business operations, each engagement or transaction generates data.

This data is valuable to you, but also to unscrupulous actors, cyber criminals and hackers as you may have seen in recent media reports.

## Introducing Data Vault

A key pillar of the Defence in Depth strategy is the ability to recover Data from Backup.

Macquarie Cloud Services has released **Data Vault,** a seamless feature enhancement to our existing Offsite Backup Target (OBT). Data vault focuses on:

### Immutability
*(the state of not changing or inability to be changed)*

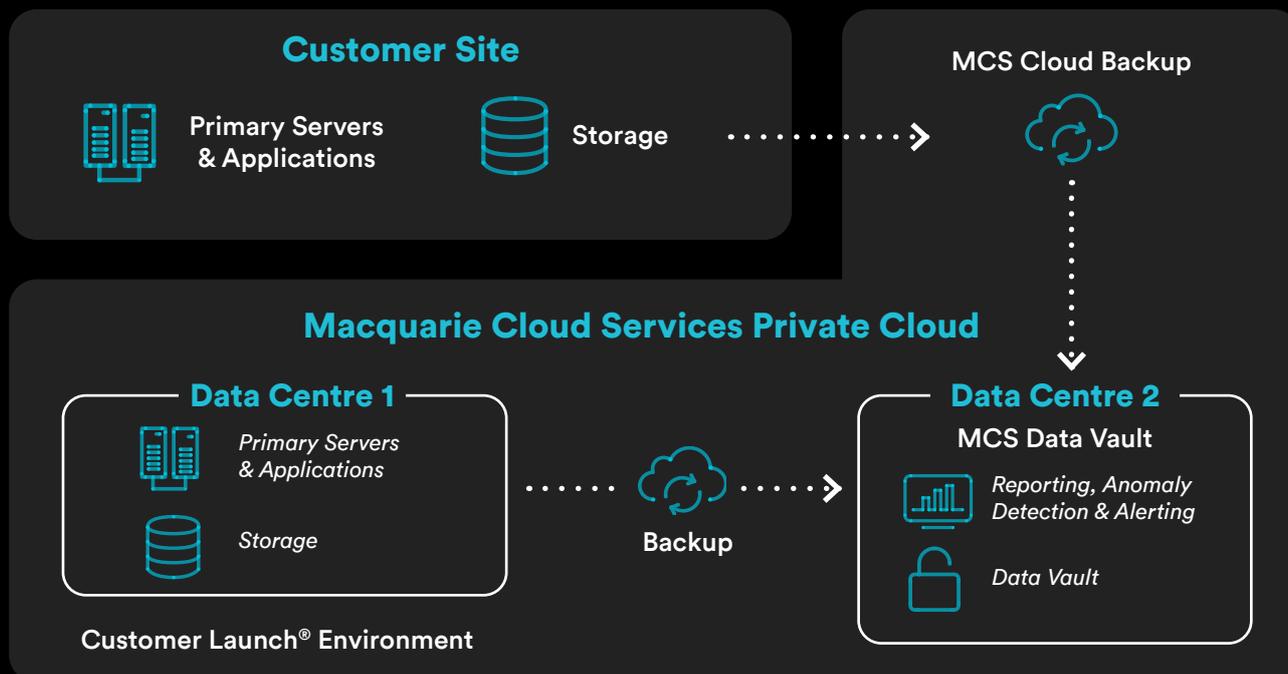### Isolation
*(the segregation of data)*

### Intelligence
*(anomaly detection)*

**Data Vault provides organisations coverage over the following:**

- Insider threat
- Crypto/ Randsomware/ Malicious Attacks
- Human error through accidental data deletion
- Compliance

## How Data Vault Works

**Customer Site**

Primary Servers & Applications

Storage

MCS Cloud Backup

**Macquarie Cloud Services Private Cloud**

**Data Centre 1**

*Primary Servers & Applications*

*Storage*

Customer Launch® Environment

Backup

**Data Centre 2**

MCS Data Vault

*Reporting, Anomaly Detection & Alerting*

*Data Vault*

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# How your organisation can benefit from Data Vault

**Meet Compliance Requirements**
Key to meeting regulatory standards. See some of these applicable standards below.

**Securely Backup Data**
The security and integrity of your data through vaulting and retention locking.

**Anomaly Detection**
Proactive anomaly detection and alerting on the retention locked data to help identify an attack that may previously be undetected.

**Ability to Customise Retention Lock Period**
Define the retention lock period according to your business operations

**Managed Backup Infrastructure And Monitoring**
We maintain ownership and management responsibility for the cloud backup infrastructure, reducing your cost and admin overhead.

**Minimises Management Complexity**
Increased data security without the management complexity of clunky and error prone tape solutions.

**Reduces the Risk of Malicious Security Events**
Significantly improve your ability to respond and react to erroneous or malicious cyber security events such as Ransomware.

# Compliance Standards covered by Data Vault

**The Essential Eight Maturity Model - Australian Signals Directorate (ASD)**
Backups are stored online or offline, but in a non-erasable and non-rewriteable manner

**CPS 234 (APRA)**
Controls to protect backups from compromise

**Sarbanes-Oxley Act**
Controls to protect backups from compromise

# Data Vault – in three options

Macquarie Cloud Services offers the following three Data Vault variations to suit your specific organisational needs.

## Data Vault
### Standard

**Immutability**

Yes

**Isolation**

Limited – on a multi-tenant Vault

**Intelligence**

**Basic**

- Alerting if a decrease in backup volume breaches a defined threshold (indicating primary backup data may have been deleted)
- Alerting if an increase in backup volume breaches a defined threshold (indicating primary backup data may have been encrypted)

## Data Vault
### Enhanced

**Immutability**

Yes

**Isolation**

Yes – dedicated Vault

**Intelligence**

**Basic**

- Alerting if a decrease in backup volume breaches a defined threshold (indicating primary backup data may have been deleted)
- Alerting if an increase in backup volume breaches a defined threshold (indicating primary backup data may have been encrypted)

## Data Vault
### Premium

**Immutability**

Yes

**Isolation**

Yes – dedicated Vault

**Intelligence**

**Advanced**

- Detailed reports on attack type
- Identifies and Reports on affected data (enabling faster diagnosis and recovery)
- Log files to identify the user account and application used in the attack

This option utilises the Macquarie Managed Cybersense Platform

**To learn more about how simple it is to set up your data vault, contact us today on 1800 334 618 or email us directly on enquiries@macquariecloudservices.com**