



# 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)*



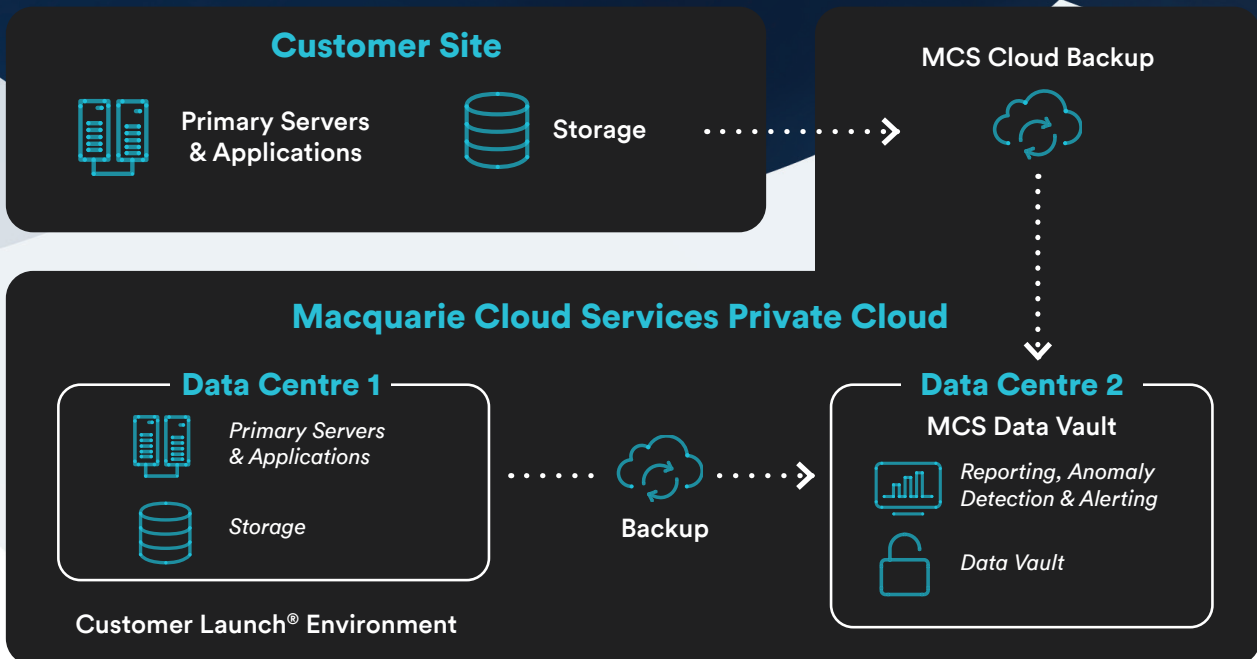
### Intelligence

*(anomaly detection)*

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

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

## How Data Vault Works



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# How your organisation can benefit from Data Vault

 <b>Meet Compliance Requirements</b>	Key to meeting regulatory standards. See some of these applicable standards below.
 <b>Securely Backup Data</b>	The security and integrity of your data through vaulting and retention locking.
 <b>Anomaly Detection</b>	Proactive anomaly detection and alerting on the retention locked data to help identify an attack that may previously be undetected.
 <b>Ability to Customise Retention Lock Period</b>	Define the retention lock period according to your business operations
 <b>Managed Backup Infrastructure And Monitoring</b>	We maintain ownership and management responsibility for the cloud backup infrastructure, reducing your cost and admin overhead.
 <b>Minimises Management Complexity</b>	Increased data security without the management complexity of clunky and error prone tape solutions.
 <b>Reduces the Risk of Malicious Security Events</b>	Significantly improve your ability to respond and react to erroneous or malicious cyber security events such as Ransomware.

## Compliance Standards covered by Data Vault

<b>The Essential Eight Maturity Model - Australian Signals Directorate (ASD)</b>	Backups are stored online or offline, but in a non-erasable and non-rewriteable manner
<b>CPS 234 (APRA)</b>	Controls to protect backups from compromise
<b>Sarbanes-Oxley Act</b>	Controls to protect backups from compromise



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# Data Vault – in three options

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

Data Vault Standard	Data Vault Enhanced	Data Vault Premium
<b>Immutability</b> Yes	<b>Immutability</b> Yes	<b>Immutability</b> Yes
<b>Isolation</b> Limited – on a multi-tenant Vault	<b>Isolation</b> Yes – dedicated Vault	<b>Isolation</b> Yes – dedicated Vault
<b>Intelligence</b> <b>Basic</b> <ul style="list-style-type: none"><li>Alerting if a decrease in backup volume breaches a defined threshold (indicating primary backup data may have been deleted)</li><li>Alerting if an increase in backup volume breaches a defined threshold (indicating primary backup data may have been encrypted)</li></ul>	<b>Intelligence</b> <b>Basic</b> <ul style="list-style-type: none"><li>Alerting if a decrease in backup volume breaches a defined threshold (indicating primary backup data may have been deleted)</li><li>Alerting if an increase in backup volume breaches a defined threshold (indicating primary backup data may have been encrypted)</li></ul>	<b>Intelligence</b> <b>Advanced</b> <ul style="list-style-type: none"><li>Detailed reports on attack type</li><li>Identifies and Reports on affected data (enabling faster diagnosis and recovery)</li><li>Log files to identify the user account and application used in the attack</li></ul> <p>This option utilises the Macquarie Managed Cybersense Platform</p>



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