# CT Secure Cloud Backup with Immutability

Making sure your data is safe, is paramount in today's risk landscape. Just backing up to on-premise devices is not enough as threats to your data have changed from traditional risks such as fire or theft to now include security threats such as ransomware. Putting your backups in the cloud is a simple way to protect your data using the proven industry standard best practice 3-2-1-1-0 rule.

CT Secure Cloud Backup powered by Veeam Cloud Connect is an easy and straightforward way to backup and archive your data using the familiar Veeam interface. By integrating with Veeam, the world's leading Backup and Replication software, we can give you the confidence and security to backup up your data simply and affordably with no hidden charges.

## What is the 3-2-1-1-0 rule?

✓ Keep **three** different copies of your data

✓ Use **two** different types of media

✓ Keep **one** of those media off-site

✓ Keep **one** media copy offline or air gapped

✓ Test your backups, ensuring they have **0** errors

### Simple per Terabyte billing model
You are only billed for storage, meaning all cloud connect licensing is included.

### Immutable storage
Establish an 'air gap' between your infrastructure & backup data to prevent tampering, reducing the risk of a single incident impacting both production & backup data.

### UK based data centres - Tier 3+
Our datacentre infrastructure and support team is UK-based. As we own & operate the platform we can be flexible in providing bespoke DR environments.

### ISO27001 accredited by BSI
All backup data is sent via a secure SSL connection and can also be encrypted at rest.

### 24/7 support as standard
All our remote backup customers have access to our UK 24x7 support desk so you can be sure that you can get to your data when you need it most.
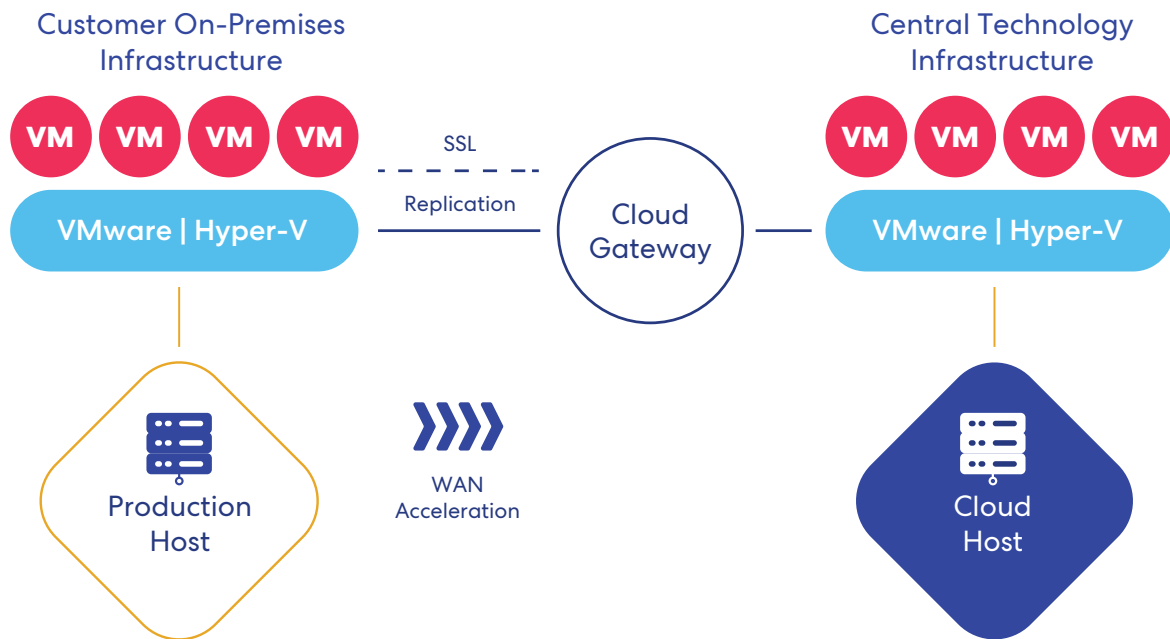
### Veeam Platinum Partner
One of only 5 UK based Veeam Platinum Partners, the highest level for a service provider.

## Why CT for Cloud Backup?

**01** We are the largest Veeam Cloud Connect backup provider in EMEA.

**02** We run our own ISP network partnering directly with numerous networks & tier 1 providers in the UK. This allows us to offer high-speed, low-latency services to our customers.

**03** We have a dedicated Cloud Services Support team & Datacentre Infrastructure teams, both based in the UK.

**04** We are a UK- based company with 4 UK datacentre locations, our core network is built with carrier grade Juniper MX core routers and diverse optical services between all 4 locations.

**05** We are able to provide managed end-to-end solutions from our wide portfolio of services.

# How does it work?

- We deliver secure cloud storage to retain up-to-date offsite copies of your virtual and physical servers with straightforward restoration to your principal site
- Immutability of at least 14 days to isolate backup files from the production environment providing protection against ransomware and cyber-attacks
- Per TB billing model with no additional costs
- Supported by our award-winning Secure Cloud infrastructure with market leading SLA's
- Solution offers 100% compatibility with Veeam Cloud Connect architecture

## Customer On-Premises Infrastructure

VM VM VM VM

VMware | Hyper-V

SSL

Replication

Cloud Gateway

## Central Technology Infrastructure

VM VM VM VM

VMware | Hyper-V

Production Host

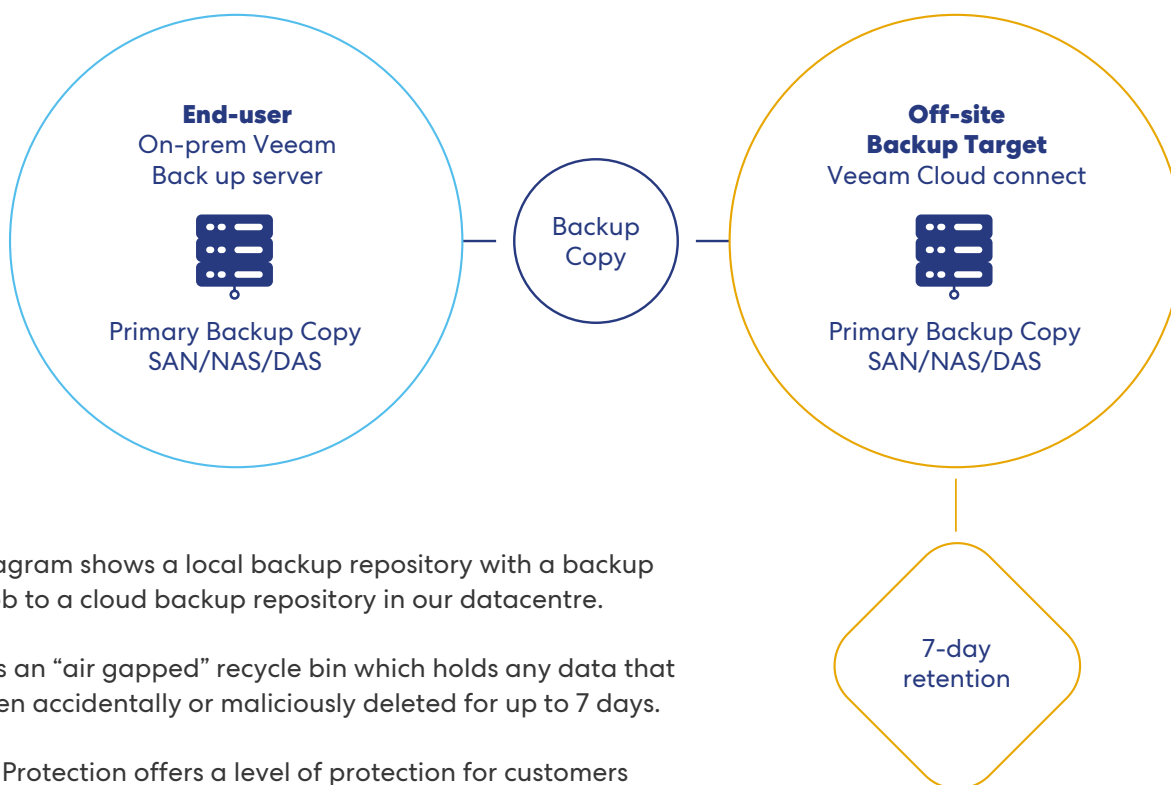WAN Acceleration

Cloud Host

# Free Immutable Protection

CT Secure Cloud Backup, powered by Veeam® Cloud Connect, offers customers the ability to back up their data to our secure cloud infrastructure. However, in certain situations ensuring the security of primary or additional backups in a cloud repository may not be enough to ensure data security for certain situations. The backed-up data may become unavailable as a result of a malicious attack or unintentional action at the customer's end.

There are several ways a malicious user can gain access to a customer's Veeam Backup & Replication™ console and delete all tenant backups, including off-site backups stored in the cloud repository.

CT offer hardened Linux repositories with tightly controlled firewalls restricting access to only the Veeam Cloud Connect services. Backup files are marked as immutable in our Cloud Connect repositories for 14 days with daily backups or based on GFS retention.

**veeAM**
Cloud & Service Provider
Platinum

Crown Commercial Service *Supplier*

**bsi.** ISO/IEC 27001 Information Security Management

IS 581891

# Free Insider Protection



**End-user**
On-prem Veeam
Back up server

Primary Backup Copy
SAN/NAS/DAS

Backup
Copy

**Off-site
Backup Target**
Veeam Cloud connect

Primary Backup Copy
SAN/NAS/DAS

7-day
retention

This diagram shows a local backup repository with a backup copy job to a cloud backup repository in our datacentre.

There is an "air gapped" recycle bin which holds any data that has been accidentally or maliciously deleted for up to 7 days.

Insider Protection offers a level of protection for customers backing up to our Windows-based repositories.

# Ransomware Protection: Immutability

### Control access to your data

We utilise hardened Linux repositories with tightly controlled firewalls restricting access to only the Veeam Cloud Connect services.

### Cast-iron protection

It's not possible to delete or change backup files from the Veeam client software until the 'immutable until' timestamp has expired.

### Straightforward restoration

We can override the immutability function upon written instruction. This is a multiple step process through a separate out of band interface.

### 14-day immutability

Backup files are marked as immutable in our Cloud Connect repositories for 14 days with daily backups or based on GFS retention.

### Robust security

Immutability provides an 'air-gap' between the production environment ensuring security breaches cannot impact immutable backup files.

## Interested in our award winning Cloud services?

Speak to a member of the cloud team today.

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