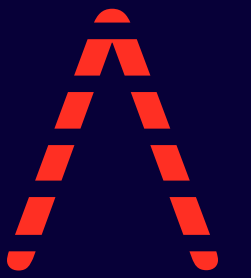


CASE HISTORY

Disaster Recovery in cloud:
a scalable solution ready to be replicated



CDL  N

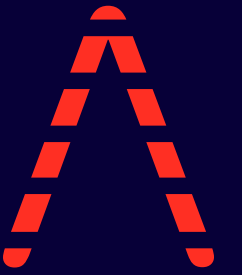


the Client



An ICT operator active for over thirty years, offering solutions for businesses and public administrations. Its portfolio includes connectivity, network, voice, security, cloud, and data center services — delivered both as standard and customized projects, through proprietary management platforms developed in-house.

The company's approach is strongly focused on customization and the direct management of infrastructures.



The client's primary objectives

1

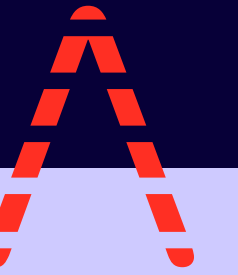
Setting up a cloud Disaster Recovery site seamlessly integrated with the client's existing on-premises VMware infrastructure, to guarantee business continuity and full environment consistency.

2

Transforming the project into a scalable, replicable DRaaS solution that can be offered to other clients with similar requirements.

3

To adhere to the key security and compliance frameworks currently mandated, including ISO 27001, NIS2, and DORA.

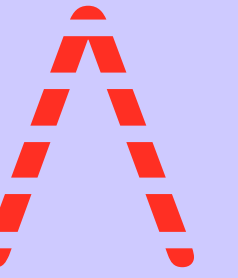


The solution

The solution was designed starting from a high-performance network integration, implemented through two dedicated 10 Gbps fiber optic connections and dynamic route exchange via the BGP protocol, ensuring a stable and continuous connection between the client's production environment and CDLAN's cloud infrastructure.

On this foundation, a dedicated virtualized environment was set up, capable of faithfully replicating the on-premises system configuration, maintaining consistent network segments and identical IP addressing schemes. The result is a mirrored environment, ready to be activated in the event of a disaster.

Completing the project, an automated replication and storage mechanism was implemented, able to continuously manage the copying of virtual machines and guarantee recovery even in complex or critical scenarios.



Veeam Cloud Connect

It manages the secure transfer of replicas to cloud storage, ensuring the backup of even non-replicated VMs and enabling full restore operations in any scenario.

Installed on a dedicated tenant within the virtualized environment, it is integrated with the client's production network and used to continuously replicate the virtual machines.

Veeam Suite

VMware vCloud Director

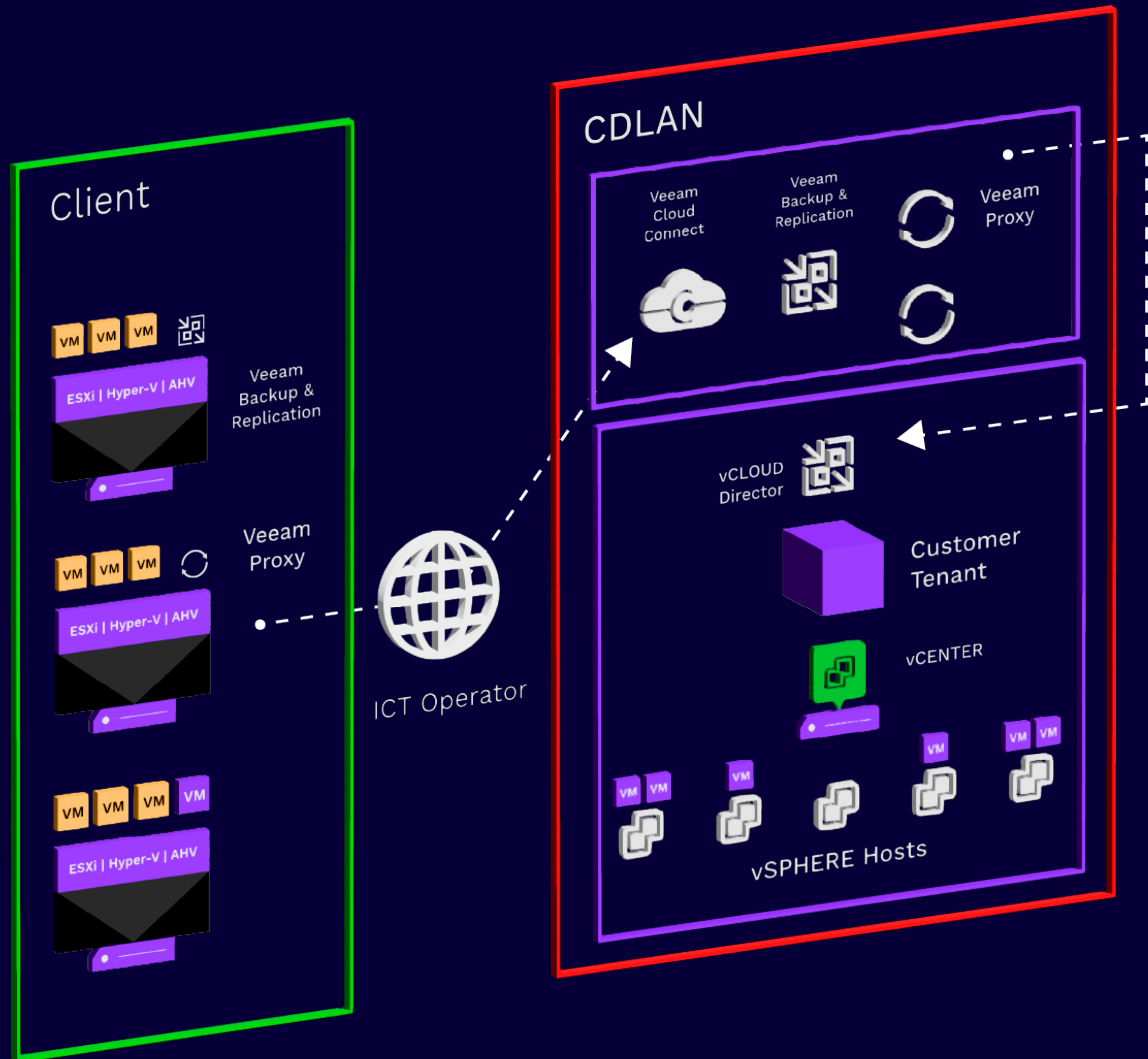
It serves as the virtualization platform used to build the disaster recovery site, receive the replicas, and make the VMs immediately available in case of activation.

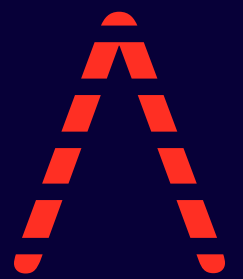
Implemented Technologies

veeam

vmware®

The architecture





Advantages

Accurate replication of the environment

The VMs retain their network and IP addresses, allowing immediate activation in case of disaster.

Scalable and reusable model

The solution is ready to be extended to other clients with similar needs.

Quick and punctual delivery

The project was completed in approximately 50 days, meeting the deadlines.

Full automation of processes

Backups and replicas occur automatically, with minimal effort and maximum reliability.

CDLAN

cdlan.it