

Private Cloud Solutions

Protection & availability for the always-on enterprise

Reliable protection against data loss

Data is essential for businesses to run properly. Whether in terms of customer data, sensitive data, business-related data, production data, application data, or media data with copyright, their protection is paramount and their management is subject to regulations.

Recent attacks with ransomware have highlighted the reality of data loss risks and what that means for many companies when they can no longer run their business. Some have experienced business interruptions with revenue impacts, some other lost business data forever. These companies really thought they had safeguard plans in place which revealed to be inadequate as the troubles occurred.

Our solution

With Private Cloud Solutions, Orange Business Services proposes managed backup and business continuity plans to protect enterprises against this risk.

Backups are validated and automated with round-the-clock service monitoring so they can be easily recovered.

A wide range of technical solutions are proposed depending on customer requirements (stored data, virtual machines, operational databases, etc.), quantity, retention time, destination (local, remote or cloud), partial or complete Recovery Time Objectives (RTOs), tolerable or intolerable Recovery Loss Objectives (RLO), and the flexibility of the recovery process.

Our ecosystem

The data protection solution is compatible with the private cloud infrastructure which leverages as well the following main technologies (not an exhaustive list of compatibility & partners used in Private Cloud Solutions).



82% of enterprises are confronted with an availability gap and cannot meet their targeted availability SLA

77% of enterprises are confronted with a data protection gap and cannot protect their data in a reliable and frequent way

30% annual growth of critical business data. Data that will need protection.





Partnership

Orange Business Services leverages Veeam Backup and Replication Suite™ in its Private Cloud Solutions portfolio with the following benefits:

- Efficient Data and Application Protection for cloud and virtual environments with high value for cost
- Business Continuity Plan
- Always-on protected and managed 24x7 solution
- Commitment to restoration Service Level Agreement

With the association of Veeam Backup & Replication™ to the Private Cloud Solutions, the risk of data loss and unavailability for the workloads in the hybrid cloud is cleared, opening all the doors' IT th



Hardware 	Hyper-converged 
Cloud foundation 	NAS, Cloud GTW 

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Details of the solution

The managed data protection solution with Veeam Backup and Replication Suite™ provides efficient and powerful backup of the Virtual Machines, a fast and flexible restore as well as advanced features for Virtual Machines replication. The compatibility is well recognized for VMware vSphere™ environments leveraged in the Private Cloud Solutions as well as for Microsoft Hyper-V environment.

Orange Business Services integrates, operates and monitors the solution around the clock 24 x 7.



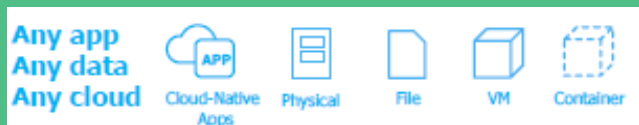
2,5x less failure

3x more restore

Business continuity

Features

- Unitary restore for VMs, files and applications objects
- Restore at transaction level for the Oracle and SQL server databases.
- Reduced RPOs and backup 20 times faster thanks to the use of NetApp & Dell EMC volume snapshots.
- Disaster recovery enablement within the Private Cloud.
- Complete automated validation of recovery possibility of each backup and replica each time one is created
- Integrated WAN acceleration to transfer backup off-site, 50x faster than standard file copy-based transfer.
- Unlimited Scale-Out Backup Repository™, Direct Storage Access,
- Integrated compression and deduplication
- 1-click recovery on failure with limited impact or no impact on activity



Veeam Availability Platform



Solution architecture

Orange Business Services validates reference architectures and operational processes which are adapted to the specific needs of the customer.

Hereby one example of hyper-converged private cloud architecture, other patterns are possible.

Veeam™ solution is leveraged for backup and replication of the VMs and of the data.

