

TECH BRIEF

Disaster Recovery

The perfect protection for Private Cloud and Dedicated Cloud infrastructures.

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Disaster Recovery: what is it?

The **Disaster Recovery as a Service (DRaaS)** solution allows you to create consistent replicas between remote sites, which in turn means that you can implement reliable, documented enterprise-grade processes for restarting systems.

The replication target is an Aruba Private Cloud service, which can be **combined with different kinds of technological infrastructures** on the customer's side:

- **DEDICATED CLOUD** – Exclusive and physically isolated cloud infrastructure, hosted at Aruba Data Centers.
- **PRIVATE CLOUD** – infrastructure with dedicated, guaranteed resources within Aruba Data Centers*.
- **ON PREMISES** – Virtualized on-premises infrastructure with VMware technology.

* For Zerto-based DRaaS solutions only

Disaster Recovery: key concepts

When defining Disaster Recovery solutions, **RPO and RTO are of paramount importance.**



RPO (RECOVERY POINT OBJECTIVE)

The maximum misalignment that you are willing to tolerate between the production and replication environments.



RTO (RECOVERY TIME OBJECTIVE)

The time needed to restore the operation of services at the secondary site following a disaster.

You can launch a DR test at any time to check the reliability of the solution that has been adopted.

Disaster Recovery: features



VMware Infrastructure

The ability to replicate VMware-based virtual infrastructures quickly and easily.



Self-service online control panel

Create your own DR guidelines independently, selecting the source and destination.



Zerto or Veeam technology

Option to choose between two backup and replication software solutions that are among the best on the market.



Tailor-made design (optional)

Development and implementation are based on the initial analysis provided by the Engineering department.



Constant support

Support available both for the initial configuration phase and with post-delivery management.



Geographical DR

DR solution between the Aruba Data Centers in Bergamo and Rome (480km apart) or between the customer's offices and Aruba.

Disaster Recovery: use cases

5 application examples:



IT Security

More than ever before, malware attacks threaten to compromise a company's operational capabilities. Having a DR plan means you can implement a timely solution to protect your business, data, and corporate image.



Compliance

Many sectors demand compliance with stringent data protection regulations. Implementing a DR plan means that you can certify processes and comply with regulations.



Partial disasters

Data replication is not limited to ensuring business continuity in the event of unlikely large-scale natural disasters, but also more frequent scenarios with a limited impact (e.g. power outages, hardware failures, connectivity issues, etc.).



Data sovereignty

Data replication in Aruba Enterprise infrastructures provides certain assurance regarding the geographical location where data is stored and facilitates the adoption of fast, reliable migration management tactics.



Managed Services

Delegating the management of monitoring and activation to Aruba Enterprise releases the company from tasks unrelated to their core business and entrusts business continuity to a partner that specializes in systems and data management.

Disaster Recovery: managed services in addition to Aruba's DRaaS solution

Managed Recovery Target Site

The service lets you delegate the implementation, maintenance and optimization over time of the **secondary replication (target) site** for virtual infrastructures to Aruba.

This option means that you can hand over the management of the Disaster Recovery solution that has been implemented to **qualified technical staff**.

From drafting the DR plan to compiling reports, **the support offered covers the entire life cycle of the solution**.

Managed Replication Jobs

Service encompassing the management of a **VM replication system** created with resources dedicated to the customer on **Zerto** and **Veeam technology**, or with services offered by the **Aruba Enterprise Cloud**, in order to delegate the tasks involved in managing replicas and DR operations to Aruba.

Before the service is activated, the **assessment phase** involves analyzing the IT systems at the primary production site.

The presence of a dedicated or shared replication infrastructure is a prerequisite.

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