

DISASTER RECOVERY IBM CLOUD VIRTUAL SERVERS

Disaster recovery planning involves **strategizing, planning, deploying appropriate technology, and continuous testing**. Maintaining backups of your data is a critical component of disaster recovery planning, but a backup and recovery process alone does not constitute a full disaster recovery plan.

Virtual disaster recovery:

Virtual disaster recovery is a type of DR that typically involves replication and enables a user to fail over to virtualized workloads. For the most efficient virtual disaster recovery, an organization should copy VM workloads off-site on a regular basis.

Role of cloud computing in disaster recovery:

Disaster recovery as a service(DRaaS) is a cloud computing service model that allows an organization to back up its data and IT infrastructure in a third party cloud computing environment and provide all the DR orchestration, all through a SaaS solution, to regain access and functionality to IT infrastructure.

Disaster recovery (DR) is an organization's ability to restore access and functionality to IT infrastructure after a disaster event, whether natural or caused by human action (or error).

The primary objective of a Disaster Recovery Project Plan is to enable an organization to survive a disaster and to reestablish normal business operations. In order to survive, the organization must assure that critical operations can resume normal processing within a reasonable time frame.

Benefits of virtualization recovery:

- Slash your IT expenses.
- Reduce downtime and enhance resiliency in disaster recovery situations.
- Increase efficiency and productivity.
- Control independence and DevOps.
- Move to be more green-friendly (organizational and environmental)

Role of IBM cloud:

If there is failure of data plane in, or even completely losing, one zone the requests from users and client applications are automatically rerouted to the data plane on the remaining zones keeping the services up and running with a Service Level Agreement of 99.99% availability.

Conclusion:

Disaster recovery planning is an important process for every business to go through. A disaster recovery plan requires identifying threats, setting goals of disaster recovery, researching the best ways to achieve those objectives, and testing the plan.