disaster recovery with ibm cloud virtual servers

INTRODUCTION :

Disaster recovery also involves ensuring that adequate storage and compute is available to maintain robust failover and failback procedures. Failover is the process of offloading workloads to backup systems so that production processes and end-user experiences are disrupted as little as possible.
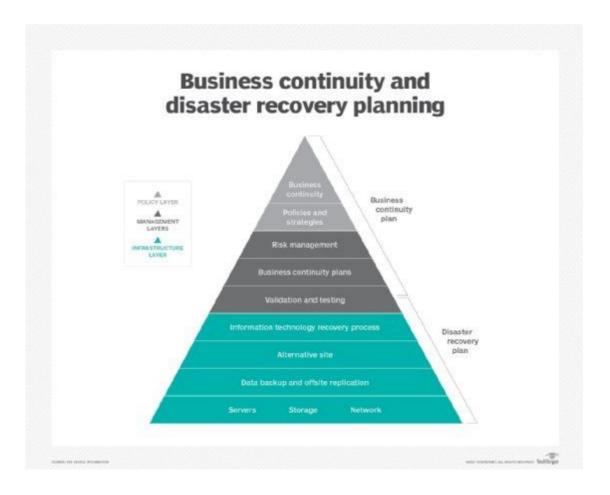
Recovery point objective (RPO)

Recovery point objective (RPO) is the point in time relative to the failure to which you need preservation of data. Data changes preceding the failure or disaster by at least this time period are preserved by recovery processing. Zero is a valid value and is equivalent to a "zero data loss" requirement.

disaster recovery strategy

A disaster recovery plan (DR or DRP) is a formal document created by an organization that contains detailed instructions on how to respond to unplanned incidents such as natural disasters, power outages, cyber attacks and any other disruptive events.

derivation:

Business continuity and disaster recovery planning

disaster recovery backup configuration

Disaster recovery site This site is an alternative backup site that is used when a primary site becomes unusable due to failure or disaster. It contains equipment and infrastructure that can be temporarily used to manage business processes until the main site's functionality is fully restored.

disaster recovery replication setup :

Primary clusters can stream data to both disaster recovery secondary clusters and performance replication clusters. In DR replication, secondary clusters do not forward service read or write requests until they are promoted and become a new primary. They essentially act as a warm standby cluster.

It is inevitable for organizations to have a disaster recovery (DR) strategy to protect their Vault deployment against catastrophic failure of an entire cluster. Vault Enterprise supports multi-datacenter deployment where you can replicate data across datacenters for performance as well as disaster recovery.

Testing the disaster recovery plan:

1) Select the purpose of the test.

2) Describe the objectives of the test.

3) Meet with management and explain the test and objectives.

4) Have management announce the test and the expected completion time.

5) Collect test results at the end of the test period. Evaluate results.

explain how the disaster recovery plan:

Good business continuity and disaster recovery plans
are clear about the varying levels of risks to the organization;
provide well-defined and actionable steps for resilience and
recovery; protect the organization's employees, facilities and
brand; include a communications plan; and are comprehensive
in detailing

This involves six general steps:

1) Identify the scope of the plan.

2) Identify key business areas.

3) Identify critical functions.

4) Identify dependencies between various business areas
and functions.

5) Determine acceptable downtime for each critical function.

6) Create a plan to maintain operations.

ASSIGNMENT NOTEBOOK SUBMISSION

BALRAJ.M

III-YEAR

COMPUTER SCIENCE