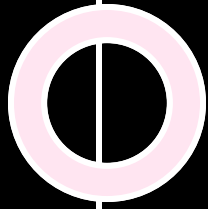


DISASTER RECOVERY WITH IBM CLOUD VIRTUAL SERVERS





PROBLEM DEFINITION

The project involves creating a disaster recovery plan using IBM cloud virtual servers to ensure business continuity in the face of unforeseen events.

The primary objective is to safeguard business operations by developing a comprehensive plan that guarantees minimal down me for an on premises virtual machine



DESIGN THINKINGS

Disaster recovery strategy:

Backup configuration:

Replication setup:

Recovery testing:

Business continuity





1.DISASTER RECOVERY STRATEGY



OBJECTIVE

- Ensure business continuity in the face of the disasters

KEY ELEMENTS

- Risk assessment
- Business impact analysis
- RTOS/RPOS
- Automated recovery

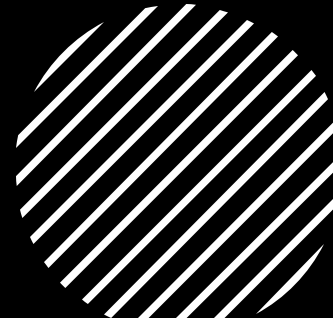


2.BACKUP CONFIGURATION

OBJECTIVE

- Create reliable data backups for recovery

KEY ELEMENTS

- Data identification
 - Backup storage
 - Backup methods
 - Backup software
- 



3.REPLICATION SETUP

OBJECTIVE :

- Maintain real time or near real time copies of critical system

KEY ELEMENTS :

- Replication technology
- Secondary site
- Network connectivity
- Data selection



4.RECOVERY TESTING

OBJECTIVE :

- Validate recovery procedures and scripts

KEY ELEMENTS :

- Test scenarios
- Test environment
- Documentation
- Execution



● 5.BUSINESS CONTINUITY

OBJECTIVE :

- Ensure critical operations continue during and after a disaster


KEY ELEMENTS :

- Communication
- User training
- Compliance
- Security measures





AUTOMATED RECOVERY SCRIPTS:

- In this face of disasters or critical system failures our organization encounters significant operational disruptions and prolonged downtime
- 

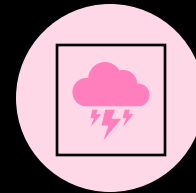
● KEY COMPONENTS OF THE PROBLEM DEFINITION :



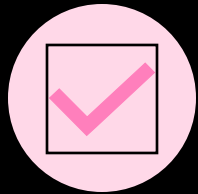
Nature of the problem :



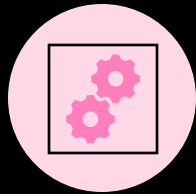
Consequences :



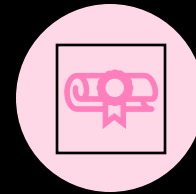
Current state :



Scope :



Dependencies :



Requirement :



Stakeholders :



Regulatory consideration :



PROJECT WORK FLOW :



DISASTER RECOVERY PLAN :

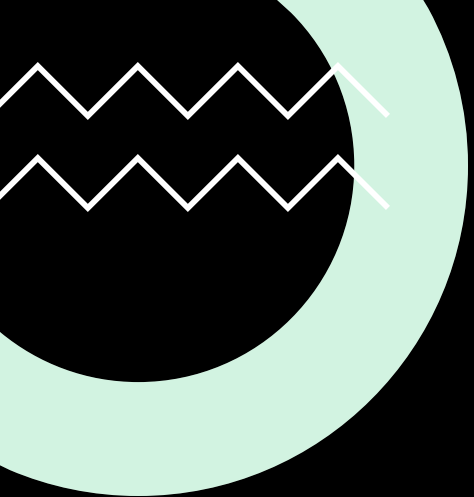
- Recovery team assessment :
- Activate disaster recovery plan :
- Identify disaster recovery scripts
- Open incident report :
- Open change control request :
- Execute disaster recovery scripts





PROACTIVE MONITORING

1. Infrastructure monitoring
2. Application monitoring
3. Security monitoring
4. Log and event monitoring
5. Business continuity monitoring
6. Alerting and incident response
7. Automation
8. Geographical redundancy



THANK YOU!

This Photo by Unknown author is licensed under CC BY-NC.

