

UNIT-V: Business Continuity

05

RESILIENCE

Planning for Disasters

The final unit focuses on data survival and business resilience during catastrophic events.



Key topics include backup strategies, disaster recovery plans (DRP), and Business Impact Analysis (BIA).

Critical Data Backup Types

Backup Type	Definition	Recovery Speed
Full Backup	Copies every single file and data point	Fastest
Incremental	Only copies files changed since LAST backup	Slowest
Differential	Copies files changed since LAST FULL backup	Moderate

Modern Data Storage Methods

Auditors check for **off-site and redundancy** in storage:

-  **Cloud Storage:** Scalable and accessible from anywhere.
-  **Physical Media:** Tapes or disks kept in secure off-site vaults.



Steps in Disaster Recovery

1. ID Risks

What can go wrong?
(Fire, Flood, Cyber attack).

2. Backup

Ensure critical data is safely mirrored.

3. Restore

Executing documented procedures to recover systems.

4. Test

Regularly simulating disasters to verify the plan.

Business Impact Analysis (BIA)

BIA is the process of identifying the effects of disruptions on critical business functions.

 **Determine Priorities:** Which systems must be fixed first?

 **Loss Estimation:** Calculating hourly cost of downtime.

the Disaster Recovery Planning, the checklist items focuses on strategies for IT systems, recovery, and communication and infrastructure recovery plans

Disaster Recovery Planning (1 of 4)

SECTION	CHECKLIST ITEM	T
Disaster Recovery Planning	<input type="checkbox"/> Develop a detailed IT disaster recovery plan.	
	<input type="checkbox"/> Identify critical IT systems and data essential for business operations.	
	<input type="checkbox"/> Plan for data backup and recovery processes, including offsite storage solutions.	
	<input type="checkbox"/> Establish a secondary data center or cloud-based solutions for critical IT operations.	
	<input type="checkbox"/> Define recovery time objectives (RTOs) for IT systems and data.	
	<input type="checkbox"/> Ensure compatibility of backup systems with current IT infrastructure.	
	<input type="checkbox"/> Develop strategies for rapid restoration of hardware, software, and network resources.	
	<input type="checkbox"/> Implement regular testing of backup and recovery procedures.	
	<input type="checkbox"/> Train IT staff on disaster recovery protocols and procedures.	
	<input type="checkbox"/> Maintain an updated inventory of all IT assets and resources.	
	<input type="checkbox"/> Prepare a communication plan for IT disruptions, including notification protocols.	
	<input type="checkbox"/> Assess the potential impact of IT disruptions on business operations and customers.	
	<input type="checkbox"/> Plan for scalable recovery solutions to accommodate varying levels of disruptions.	

Business Continuity and Disaster Recovery Checklist (55-slide PowerPoint)

This checklist is created by former McKinsey, BCG, Deloitte, EY, and Capgemini consultants. It provides a checklist to manage the BCP and DR functions.

<https://flevy.com/browse/marketplace/business-continuity-and-disaster-recovery-checklist-8249>

Why BIA is Critical

Operational Focus

Ensures continuity for revenue-generating operations.

Resource Allocation

Directs money and effort toward the most vital systems.

Risk Reduction

Shortens the gap between a disaster and recovery.

Exam Focus: Key Short Questions

Topic	Sample Question
Unit-I	Define Assurance Services and explain COBIT.
Unit-II	What is CAATT? Differentiate between Preventive and Corrective controls.
Unit-III	What are system vulnerabilities? Define Security Testing.

Exam Focus: Key Short Questions

Unit-IV: Explain the risks associated with Internet Banking and how to control them.

Unit-V: Define Disaster Recovery and explain Business Impact Analysis (BIA).

Unit-V: List the different types of data backups and their pros/cons.

Final Summary

A comprehensive **System Audit and Assurance** strategy is no longer optional for modern enterprises.

Audit provides the **Check**.

Assurance provides the **Trust**.

Control provides the **Shield**.

Disaster Recovery provides the **Life-line**.

Questions & Answers


Thank you for your attention!

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