



Navigating Resilience

A Comprehensive Guide to Business Continuity and Disaster Recovery Strategies

CISSP Study Guide - IX



Introduction to Business Continuity and Disaster Recovery

- **Exploring disruption categories:** Nondisasters, Disasters, and Catastrophes
- **Understanding the origins of disasters:** Technological, Man-Made, and Natural



Foundations of Disaster Recovery

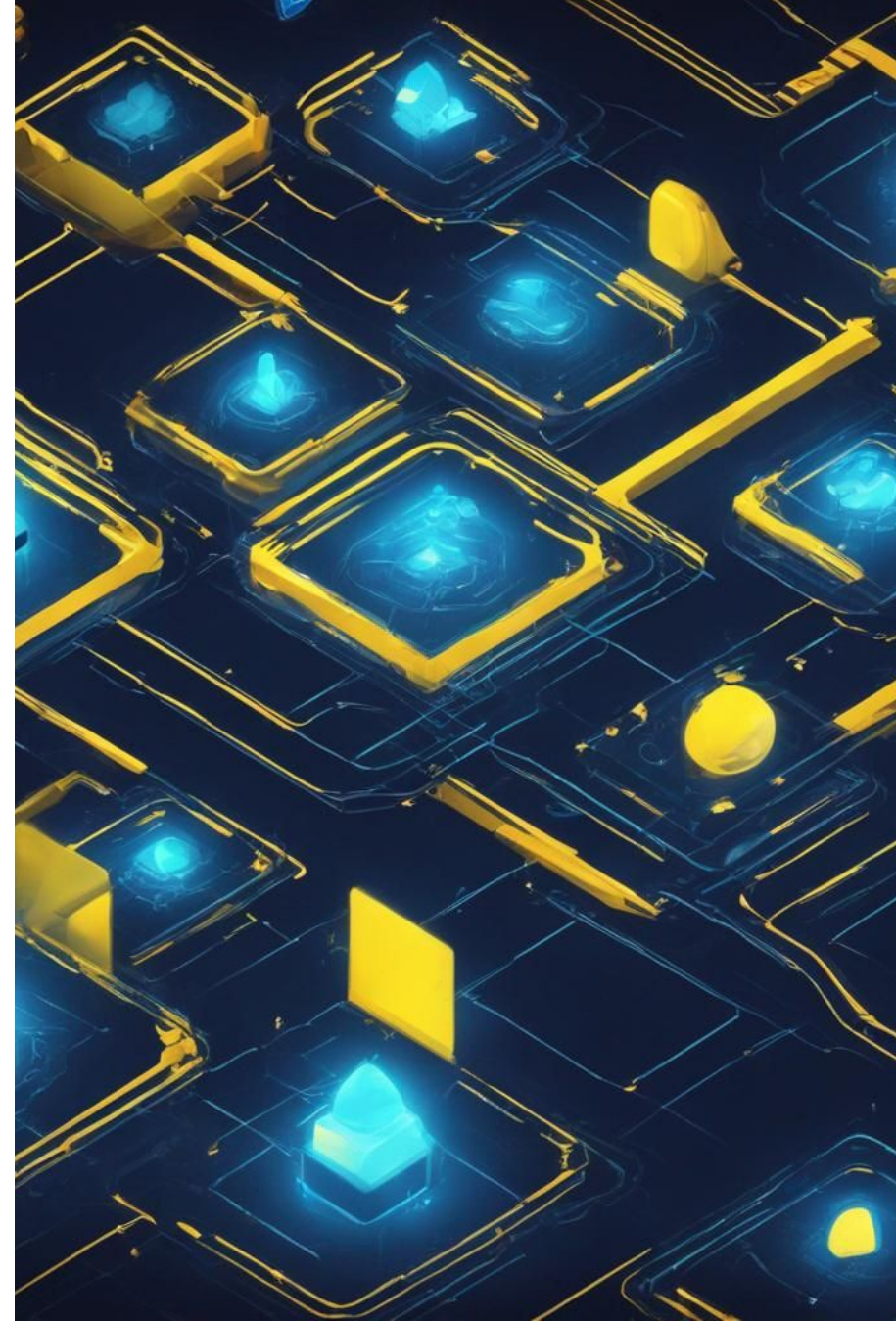
The essence of Disaster Recovery (DR)

Aligning Organizational Resources, Functions, and Personnel

Creation and Implementation of a Disaster Recovery Plan (DRP)

The Role of Continuity Planning

- Identifying the Impact of Disasters on Operations
- Developing actionable Business Continuity Plans (BCP)
- Conducting Business Impact Analysis (BIA) for informed planning





Business Continuity Planning Concepts

- 1** BCP, DRP, and Contingency Plans Interconnection
- 2** Emphasis on Availability, Reliability, and Recoverability
- 3** Introducing Fault Tolerance for Backup Component Activation



Business Impact Analysis (BIA) Development

- **Steps in BIA:** Critical Process Identification, Outage Impact Assessment
- **Analyzing Requirements:** MTBF, MTTR, RTO, and RPO
- Establishing Recovery Priorities with an Information System Recovery Hierarchy



Business Continuity Scope and Planning

Role of Senior Management in BCP and DRP

Formation of a BCP Committee

The Necessity for Regular Plan Reviews and Version Control

Identifying Preventive Controls

- **Incorporating preventive methods:** Redundancy, Fault Tolerance, and UPS
- Examining Insurance as a Financial Safety Net
- Backup strategies include Full, Incremental, Differential, and Copy Backup





Recovery Strategy Development

- 1 Establishing Recovery Order using High-Level Strategies
- 2 **System Restoration:** Ensuring Physical and Digital Asset Integrity
- 3 Deciding on an Alternate Facility and Implementing Security Controls

Recovery Plan for Assets and Resources

- Prioritizing recovery of Hardware, Software, Human Resources, and Supplies
- Documenting and Securing Vital Organizational Resources
- Data Recovery Techniques and Ensuring Personnel Training



Roles and Responsibilities in Disaster Recovery

- Delineating Critical Recovery Teams and their Tasks

Damage Assessment Team

Legal Team

Media Relations Team

- Emphasis on Security and Personnel Safety during Recovery

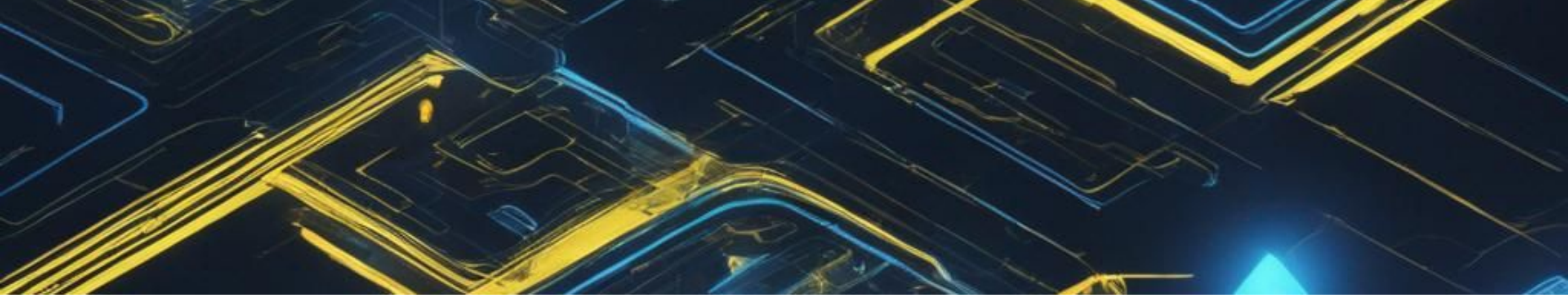
Business Continuity Plan Testing

Regular Testing of BCP and DRP to Maintain Efficacy

Various Test Types: Checklist, Table-Top, Structured Walk-Through, and Full Interruption

Drill Operations: Functional, Evacuation, and Recovery Drills





Test Results and BCP Maintenance

- 1 Documentation and Analysis of BCP Testing Outcomes
- 2 Regular Plan Updates and Version Control
- 3 Storage and Accessibility of BCP Documents



Information Security Buzz

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