

CDRE - Certified Disaster Recovery Engineer

Course Overview

This course covers business continuity and disaster recovery. Topics include business impact and risk analysis, IT recovery strategies and resiliency, pandemics, and more.

Chapter 1 - Business Continuity and Disaster Recovery Introduction

53m

Course Introduction

Business Continuity and Disaster Recovery Introduction

Course Outline

C)DRE – What is The Focus?

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Chapter 1 Topics: What Will We Cover?

Section 1: Introduction to Business Continuity Management

Chapter 1 Topics

The BCMS Model

The Business Continuity Management Concept

Business Continuity Management - An Enterprise View

BCM Lifecycle

Chapter 1 Topics

Business Continuity Planning (BCP)

Chapter 1 Topics

Disaster Recovery Planning (DRP)

What is a Disaster?

Chapter 1 Topics

BCP/DRP Trends

Purpose of BCP/DRP Program

BCP Planning Model

BCP Planning Model

BCP Planning Model

BCP Planning Model

Section 2: Project Initiation – Phase 1

Project Initiation

Establishing the need for a BCP

Project Initiation

Project Initiation

Challenges to Effective BCP Completion

Project Initiation

Project Initiation

Project Initiation

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Project Initiation

Project Initiation

Project Initiation

Project Initiation

Project Initiation

Project Initiation

Project Initiation

End of Chapter 1

Chapter 2 - Business Impact and Risk Analysis

1h 9m

Business Impact and Risk Analysis

Course Outline

BCP Planning Model

Chapter 2 Topics: What Are We Covering?

Section 1: BCP Planning Phase – Functional Requirement Phase

What is a BIA?

BIA Terminology

Maximum Tolerable Downtime

Recovery Time Objective

Recovery Time Examples

Recovery Point Objective

Where do we start?

BCP Kickoff Meeting

BIA Process

BIA Process

BIA Process- Disaster Mode Staffing

Preparing for the BIA Interviews

Conducting the Interviews

Conducting the Interviews

Notes on Data Collection

Notes on Data Collection

Notes on Data Collection

Notes on Data Collection

Notes on Data Collection

Notes on Data Collection

Identify Dependencies

Identify Dependencies

Identify Dependencies

Finalize Data Analysis

BIA Report

Presentation to Senior Management

BIA Summary

Section 2: Risk Analysis

Functional Requirements

Threats to Business Process

Causes of Unplanned Downtime

Risk Examples

Risk Analysis Terminology

Risk Analysis Terminology

Risk Analysis Activities

Exposure Inventory

Business Process Inventory

Statement of Risk

Statement of Risk

Risk Control Definition

Identifying Existing Controls

Controls

Risk Analysis

Risk Analysis

IT Recovery Strategies
IT Recovery Strategies
IT Recovery Strategies
Section 2: DR Site Strategies
DR Site Strategies
DR Site Strategies
DR Site Strategies
DR Site Strategies
DR Site Strategies
DR Site Strategies
DR Site Strategies
DR Site Strategies
High Availability
End of Chapter 4

Chapter 5 - IT Resiliency

47m

IT Resiliency
Course Outline
Chapter 5 Topics: What Are We Covering?
BCP Planning Model
Section 1: BCP Planning Phases – IT Resiliency
Areas of IT Resiliency
Data Center Resiliency
Data Center Resiliency
Data Center Resiliency
Data Center Resiliency
Data Center Resiliency
Data Center Resiliency
Data Center Resiliency
Areas of IT Resiliency
Areas of IT Resiliency
Areas of IT Resiliency
Areas of IT Resiliency
Areas of IT Resiliency
Areas of IT Resiliency
Section 2: IT Recovery
Examples of IT Recovery
Tape Backups
Tape Vault Facilities
Disk Backups
DIY Disk Backups
Backup Appliance
Data Archiving
Systems Replication
SAN Replication
Virtual Server Replication
Application Redundancy
Voice & Networking Strategies
End of Chapter 5

Chapter 6 - Implementation Phase

33m

Implementation Phase
Course Outline
BCP Planning Model
Chapter 6 Topics: What Are We Covering?
Section 1: BCP Planning Phases - Implementation Phase
Implementation of BCP
Responsibility for BCP Implementation
Determine Cost Estimates
Management Approval and Funding
Install & Configure
Detailed Documentation
Implement Operational Changes
Procure Facilities & Services
Section 2: BCP Planning Phases - Awareness and Training
Awareness & Training
Awareness & Training
Awareness
Training
End of Chapter 6

Chapter 7 - Testing and Exercise Phase

25m

Testing and Exercise Phase
Course Outline
Chapter 7 Topics: What Are We Covering?
BCP Planning Model
Section 1: BCP Planning Phases - Testing & Exercise
Testing & Exercise Phase
Testing & Drills
Progression of Testing Types
Testing Participants - 1
Testing Participants - 2
Testing Post-mortem
Testing Post-mortem - Lessons Learned
End of Chapter 7

Chapter 8 - Maintenance and Execution

58m

Maintenance and Execution
Course Outline
Chapter 8 Topics: What Are We Covering?
BCP Planning Model
Section 1: BCP Planning Phases - Maintenance and updating
Maintenance Policies and Procedures
Software Tools for Maintenance
Plan Maintenance
Maintenance Schedule and Budgets
Input Criteria for Plan Maintenance
Input Criteria for Plan Maintenance
Input Criteria for Plan Maintenance
Input Criteria for Plan Maintenance

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Input Criteria for Plan Maintenance
Input Criteria for Plan Maintenance
Input Criteria for Plan Maintenance
Input Criteria for Plan Maintenance
Plan Distribution and Security
Plan Distribution
Plan Security
Maintenance Summary
A Final Word
BCP Planning Model
Section 2: BCP Planning Phases - Execution Phase
BCP Planning Phases
Executing the Plan
Execution Phase
Execution Phase
Execution Phase
Sources of Information
Sources of Information
Escalation Procedures
Disaster Declaration Procedures
Public Relations/Spokesperson Role
Typical Audiences
Typical Audiences
Execution Phase
ICC Organization
ICC v/s EOC Organization
Be Prepared to Work with Public Authorities
Executing the Plan
The Plan Worked!
End of Chapter 8

Chapter 9 - Pandemics

47m

Pandemics
Course Outline
What are we covering?
What is a Pandemic?
What is a Pandemic?
Quick Facts
Pandemic Frequency
Effects on Business
Who Should Plan for Pandemic Influenza?
Develop a Disaster Plan
Develop a Disaster Plan
Planning Checklist
Communications
HR Travel Policies
Physical Resources
Contamination

N-95 mask (respirator)
Pandemics - Work From Home
Pandemics
End of Chapter 9

Total Duration: 6h 50m