

Autumn 2011 - Week 13 5 / 20

Response Planning Business Continuity Plans	Response Planning Why is BCP important?	
<ul> <li><i>keep the business going</i> <ul> <li>when incident response falls short</li> <li>while we wait for disaster recovery</li> </ul> </li> <li>BCP supplements IR and DR</li> <li>The scope is the most serious incidents <ul> <li>when IR/DR is insufficient</li> </ul> </li> </ul>	<ul> <li>What happens if you loose email connection for</li> <li>10 minutes?</li> <li>1 hour?</li> <li>4 hours?</li> <li>2 days?</li> <li>a week?</li> <li>a month?</li> </ul>	
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Incidents and Productivity	Contingency Planning	
100	IRP Incident Incident Incident Reaction	
	DRP Disaster Reaction Recovery	
	DCP Continuity Reaction Alternate Site Op's	

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2

4

8 Days

6

10

12

14

16

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#### Continuity Strategies

## What are the challenges in a disaster?

## **Dedicated sites**

Hardware

- Software and configuration
- Data (restored from backup)
- Location Buildings

## Hot Sites a fully functional computing facility installed and configured for the organisation

Warm Site a partially installed computing facility. It typically includes server hardware, but not applications and workstations.

Cold Site is just a spare building where a computing facility may be installed

**Business Continuity Planning** 

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	Continuity Strategies		
Shared facilities			

# Continuity Strategies

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Time-Share several organisations share a hot/warm/cold site. This gives more value for money, assuming that two organisations will not hit simultaneous disasters...

- Service Bureaus provide a service for a few, such as an agreement to provide physical facilities in the event of a disaster
- Mutual Agreements is some agreement between organisations to assist eachother in the event of a disaster.

Server and Data Centres High-security facilities. Security-aware management. Good planning is common.

PC-s and Workstations Are often forgotten. Left to the attention of individual users.



13/20

Autumn 2011 - Week 13

SURREY

## **Remote Storage**

- Backup is an obvious control
- Most common threats to control are
  - media decay and disk failure
  - user errors (deleting the wrong file)
- Rarer events include fire and theft
- Remote storage is essential to avoid losing both in the same event
- BCP: roll out the backup on an alternate site
  - can you do it quickly enough?

Do you make remote backups as frequently as local backups?

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	Closure		
Conclusions			

• Business Continuity Planning supplements other plans for security

- Where other plans focus on resolving a situation
  - BCP only provides a temporary solution
  - to keep going while the other plans are executed
- BCP often includes a backup facility
  - to run operations temporarily



## Continuity Planning versus Insurance

Is insurance an alternative to continuity planning?

- Insurance will normally cover recovery.
- It will rarely cover consequential loss
  - such as lost productivity
- Extended down-time may cause irrepairable loss



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Autumn 2011 - Week 13 18 / 20