



Presents

# Data Redundancy = Disaster Recovery

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# What we will discuss

In a perfect world, Disaster Recovery should never have to happen, unfortunately, we don't live in a perfect world...

- 1) The cost of lost data
- 2) Types of Disasters
- 3) Data Protection
- 4) Social Engineering
- 5) Backup Solutions for businesses
- 6) Questions and Answers



# The cost of lost data

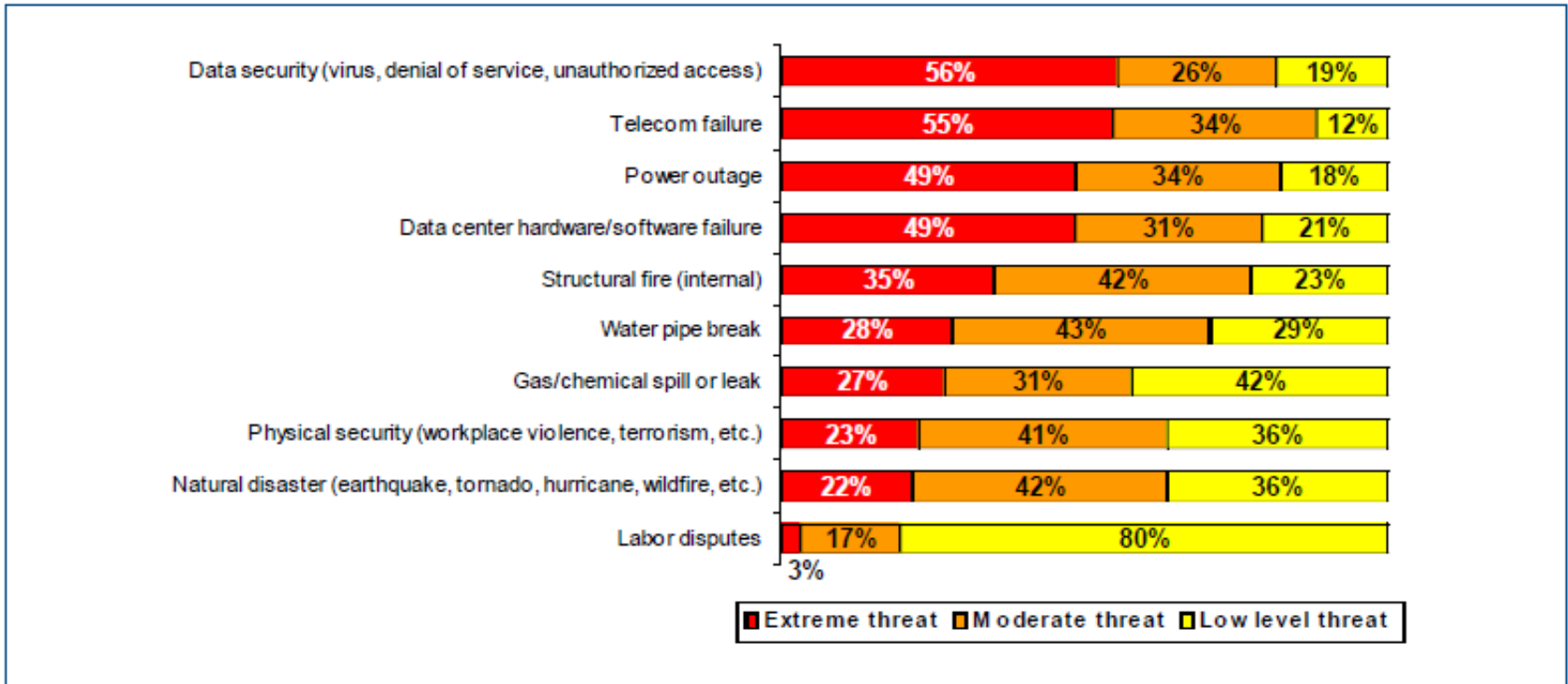
Usually calculated by using the formula: Frequency X Duration X Hourly Cost = Lost Revenue

We also need to add in the cost of new Hardware, Software and Services to install and set up, then add in the cost to actually do the recovery. Both Services numbers need to be added to Duration

**(Frequency X Duration X Hourly Cost)+(Hardware, Software, Services for Equipment Installation and Implementation)+(Hardware, Software, Services for Disaster Recovery) = Lost Revenue/Profits**



# Types of disasters



Listed above are types of events that may pose a threat to business continuity at your organization. Using a 10-point scale, where '10' means that the event poses a 'extreme threat' and '1' means that the event 'does not pose a threat,' please rate the events on the level of threat each poses.

# Data Protection

1. Redundancy for all vulnerable systems
2. ALL SYSTEMS ARE VULNERABLE
2. Monitoring your systems
3. Making Backups
4. Securing Backups
5. Systems Security
  - A. Patching – Script Kiddies & Netbots
  - B. Anti Virus, Anti Spyware, Anti Spam
  - C. Upgrades



# Social Engineering

*Like taking candy from a baby*

- Who are you talking to? Make everyone Authenticate
- I am from IT
- I am from Maintenance
- I am from Headquarters
- I know the CEO
- I know Bill Gates

*I left a thumb drive in the parking lot, what will you do with it?*



# Backup Solutions

## The 3 levels of backup

1. Local redundancy (You can do this)
2. Putting it all in one place
3. Making sure a copy of your most valuable data is in a safe secure offsite location (High change rate is a good sign of Valuable Data)

# What we discussed

In a perfect world, Disaster Recovery should never have to happen, unfortunately, we don't live in a perfect world...

- 1) The cost of lost data (Use the formula!)
- 2) Types of Disasters (bottom line it WILL HAPPEN!)
- 3) Data Protection (Redundancy, Redundancy, Redundancy)
- 4) Social Engineering (Authenticate Everyone & Everything)
- 5) Backup Solutions for businesses (There are 1000's, but they only work if you regularly \_\_\_\_ them)







**Data Redundancy = Disaster Recovery**

**Q & A**

