

# OAS Technology Group

## Disaster Recovery

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# What is a 'Disaster' with respect to YOUR computer system?

- Consider the risks and your ability / costs to mitigate them.
- Consider how much 'downtime' you can sustain before essential business operations fail.
- This presentation will cover failures and disasters in the following local contexts.
  - System Hardware Failure
  - Theft
  - Fire
  - Flood

# Disaster Recovery Solutions

## Traditional Tape Backup Solution

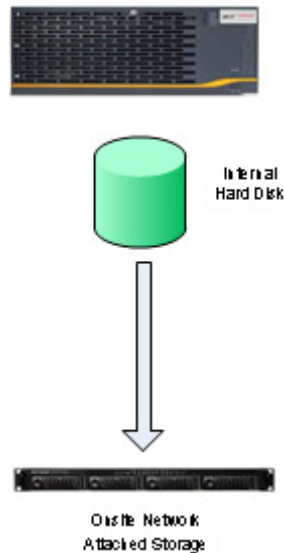


- Backs Up System overnight
- Backups can take 5 + Hours
- Restores optimally happen on 'like' hardware
- Previous night tape is usually taken off site
- Restoration period is as many tapes you have (typically 2 – 4weeks)

- |                                    |                     |
|------------------------------------|---------------------|
| • <b>File Restores</b>             | <b>0.5 – 1 Hour</b> |
| • <b>System Restores</b>           | <b>8 – 16 Hours</b> |
| • <b>Disaster Recovery</b>         | <b>3 – 5 Days</b>   |
| • <b>Disaster Recovery Testing</b> | <b>3 – 5 Days</b>   |

# Disaster Recovery Solutions

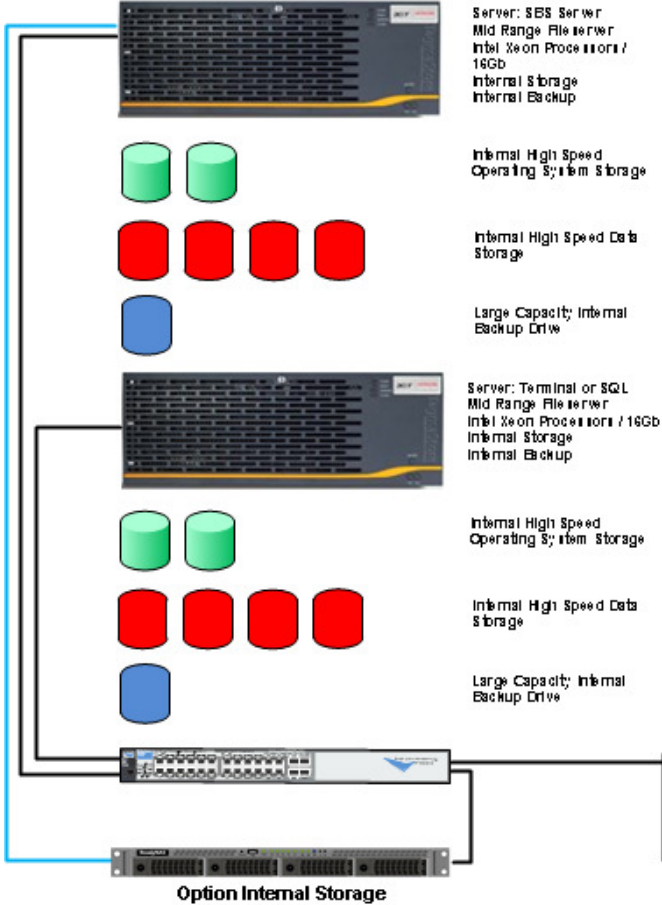
## Sector Based Hard Disk Backup Solution



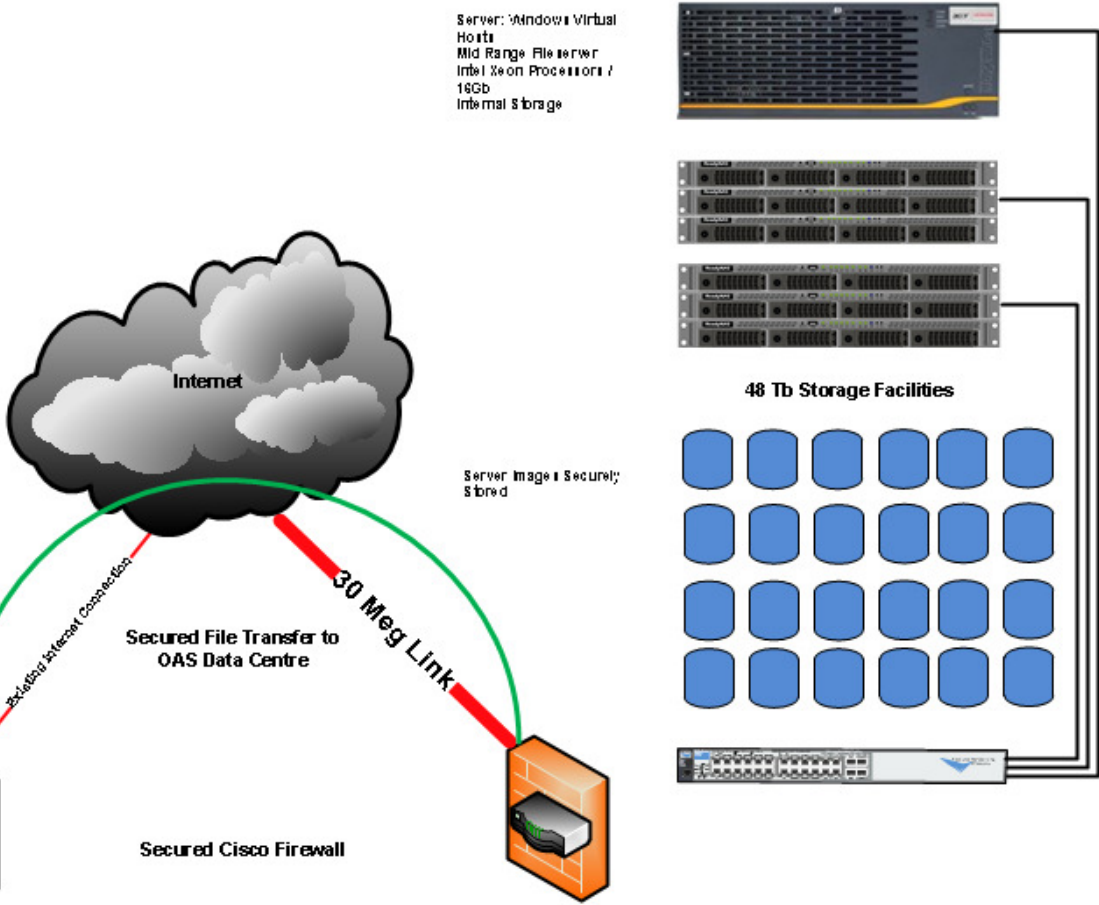
- Backs Up Incrementally (can be hourly or less)
  - Backups can take 15 Minutes
  - Restores can be done to independent hardware
  - Images can be uploaded anytime (onsite or offsite)
  - Restoration points are kept theoretically forever
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- **File Restores** **1 – 5 Minutes**
  - **System Restores** **2 – 3 Hours**
  - **Disaster Recovery** **2 – 3 Hours**
  - **Disaster Recovery Testing** **1 – 2 Hours**

# Off Site Disaster Recovery

## Client Server(s)



## OAS Data Centre



# Take-Away Points

- Does your current server infrastructure have hardware redundancy to protect against internal component failure?
- Consider your current IT Backup Solution (Tape / Disk )
- Are backups being taken off site? How safe are they? Have they been tested?
- How long can you be with out a particular system and how long will it take to recover it?
- Do you have a disaster recovery plan that includes scheduled testing.
- Email [Maroba@oas.com.au](mailto:Maroba@oas.com.au) and a copy of this presentation will be sent to you

