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2-2011

Design and Implementation of Highly Available Information Systems

Ken D'Aquin
The University of New Orleans

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Design and Implementation of Highly Available Information Systems

Presenter: Ken D'Aquin

The Spectrum of System Failure

- Server Loss
- Power/Cooling Failure
- Isolated Fire
- Facility Loss
- Regional Disaster

Overview

- Environmental Preparation
- Hardware Redundancy
- Software Redundancy
- Geographic Redundancy
- Outsourcing

- Environmental Preparation
  - Power
  - Cooling
  - Fire Suppression
  - Physical Security
  - Monitoring

- Hardware Redundancy
  - RAID
  - Redundant Memory
  - Redundant Processors
  - SAN Storage
    - Redundant Paths
    - Redundant Controllers
    - Advanced RAID

- Software Redundancy
  - OS Clusters
  - Application Clusters
  - Virtualization

- Geographic Redundancy
  - Remote Sites
  - WANs and VPNs
  - Remote Staffing
  - Collateral Relationships

- Outsourcing
  - Hosted Services
  - Cloud Computing
  - Consulting
  - Support Agreements

Other Resources

Here are some links to cloud computing resources that might fit your needs.

- **Online backup solutions:**
- http://www.sosonlinebackup.com/features.htm
- https://www.idrive.com/index.html
- http://mozy.com/pro/features/
- http://www.carbonitepro.com/

- **Online File Sharing Solutions:**
- http://www.sosonlinebackup.com/features.htm
- http://www.box.net/solutions/cloud_file_server
- http://www.sharepointsite.com/hosted_sharepoint/plans/shared_sharepoint/
- http://www.apps4rent.com/sharepoint.html

Questions?

- Contact Info
  - http://en-gb.facebook.com/people/Ken-DAquin/100002116207924
  - Email: kdaquin@uno.edu

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