

Project Report

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Progress

Work completed this period:

- Subject areas
- Preliminary search

Planned for next period:

- Study the search results from this period
- Continue searching

Subject Areas

High Availability applies to the following subject areas:

- Network (LAN)

How to design a fault tolerant network? What would be the best topology to use?

- Network (External)

How to ensure high level of internet availability?

- Storage

What is a good storage solution?

- Workstation

How do we ensure a high level of workstation availability?

If one break down, can we immediately switch to another one and continue working?

- Servers

How to maintain high server uptime?

- Backup and recovery

What are some fast backup and recovery methods?

Disaster recovery plan?

Preliminary Search

Searching yields the following interesting documents:

- Reliability, Availability and Optimization

<http://www.weibull.com/systemrelwebcontents.htm>

- Reliability and Availability

http://www.eventhelix.com/RealtimeMantra/FaultHandling/reliability_availability_basics.htm

http://www.eventhelix.com/RealtimeMantra/FaultHandling/system_reliability_availability.htm

- Hardware Fault Tolerance

<http://www.eventhelix.com/RealtimeMantra/HardwareFaultTolerance.htm>

- High-availability cluster

http://en.wikipedia.org/wiki/High-availability_cluster

- Storage area network

http://en.wikipedia.org/wiki/Storage_area_network

- Disaster recovery

http://en.wikipedia.org/wiki/Disaster_recovery

- IEEE Task Force on Cluster Computing: High Availability (HA)

<http://www.ieeetfcc.org/high-availability.html>

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