

# Research on Resilient Information Storage System

## Background and Purpose

- There are two major reasons to lose stored information by a disaster; Destruction of storage devices and battery backup failure. Robust data server is required.

## Research Outline

- Redundant system architecture with data duplication as network attached storage system.
- Power-down resistant devices: proper write process to avoid the data lost.
- Demonstration on the University network with joint research of IT industry.

## Strength of the technology

- We have developed the storage technology for low power consumption data server.
- Conventional disaster recovery system is employed for large storage systems. Resilient data storage technology for small scale data server is the target.

## Target technology

- Automatic backup storage system without user operations.
- IT Industry promotion by innovative technology developed in Tohoku

