



WE MAKE
IT HAPPEN.

Case Study: High Availability and Clustering

Industry: Higher Education

The Challenge:

- A Major New York City College required secure computing and reliable data communications between all their campus locations.
- The College's **email and groupware applications included student registration, curriculum content, Internet access, calendars and much more.**
- The College recognized that its computing and data network infrastructure required an upgrade in order to cope with the anticipated **growth in the student population.**

Derive Solution:

- Derive Technologies assessed the existing College infrastructure, and performed a **“gap” analysis**, while focusing on the College's future requirements.
- Derive Engineers architected a comprehensive, highly available fault tolerant multi-vendor solution. The Derive solution included:
 - Highly Available Clustered Email and groupware based on Microsoft Exchange
 - Highly Available Server software from Microsoft and Citrix for remote computing
 - Cisco for WAN routers LAN switches and Firewalls
 - Consolidated Servers and centralized tape libraries from HP
 - Backup software from Computer Associates.

Benefits:

- Derive developed detailed project plans which minimized client risks and ensured the success of the project.

Solution Details

Business Needs/Key Benefits

- Higher productivity
- Less downtime
- Less calls to the help desk
- Greater Application availability

Resulting Technology

- Always available email for 5000 users via a Highly Available Clustered Exchange email server solution attached to a SAN
- Unified Access to email for local and roaming users
- Highly Available infrastructure for all applications and networks