

GOAL 5: Building a State-of-the-Art Information Technology Environment

Objective 7: Maintain the network infrastructure and storage technology at an adequate level to meet expanding needs.

Outcome:

Core network speed throughout the University will be 10GB.

The number of student access points will increase from 150 to 300.

Online storage will be increased by half a petabyte.

Data mining services will be available for administrative, instructional, and research activities.

Four new staff members will be added to IRM: 2 in the Networking Group to provide extended coverage, 1 in the Systems and Operations Group, and 1 to support the new storage services.

The number of simultaneous connections supported will increase from 3 to 6.

Progress toward goal:

Wireless Access Points

| Prior to 2001 | 2001 | 2002 - 2004 | 2005 | 2006 |
|--------------------|--|---|--|-------------------------------|
| no wireless access | Wireless evaluation and Pilot project in IRM | Coverage expanded to 64 Aps on Boca Campus, | Coverage expanded to 103 APs on Boca Campus, 26 on Jupiter, 7 on Davie 3 on Ft Lauderdale 11 on Pt St Lucie IRM receives requests from Student Gov and Colleges for coverage. | Increase Aps from 150 to 300. |

Network Connection Speeds

| 1980's | Early to mid 1990's | late 1990's to present | 2002 to 2005 | 2005 forward |
|---------------|---|--|---|--|
| SERDAC/Bitnet | BBN Planet/Genuity- BellSouth 56Kbps - 2 X T1 (3 Mbps) | DMS/BellSouth.net 6Mbps - 18Mbps CIR DS-3/45Mbps link to Univ. FIRN access to NWRDC | SEATAP 100Mbps Internet 622Mbps shared w/ UM-I2 1Gbps link to University | FLR 125Mbps Internet 1Gbps Internet2 1Gbps FLRnet 10 Gbps Link to University Present primary connection |

Enterprise Storage Timeline (dashboard indicators) from 2000 to 2008 (projected)

| | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------------|-------|-------|-------|-------|--------|--------|--------|--------|---------|
| Sun Storage Systems | 180gb | 180gb | 4.2gb | 4.2gb | 11.6tb | 11.6tb | 13.6tb | 13.6tb | 19.6tb |
| Windows Storage Systems | 250gb | 250gb | 700gb | 1.5tb | 4.4tb | 6.2tb | 8tb | 12tb | 12tb |
| Nearline Storage Systems | 0 | 0 | 0 | .75tb | 1tb | 5tb | 8tb | 13tb | 20tb |
| Offline Storage Systems | 1tb | 1tb | 4.5tb | 4.5tb | 53tb | 63tb | 78tb | 98tb | 122.5tb |