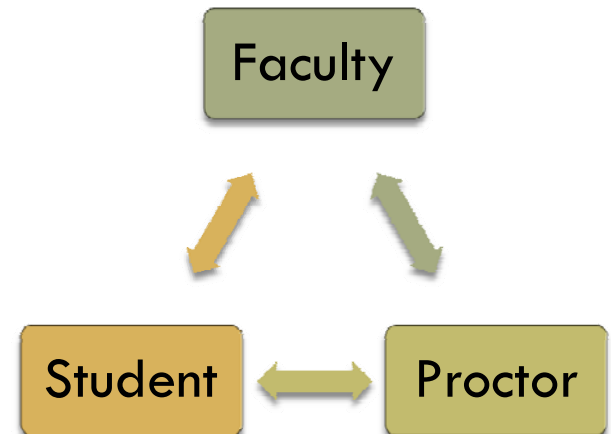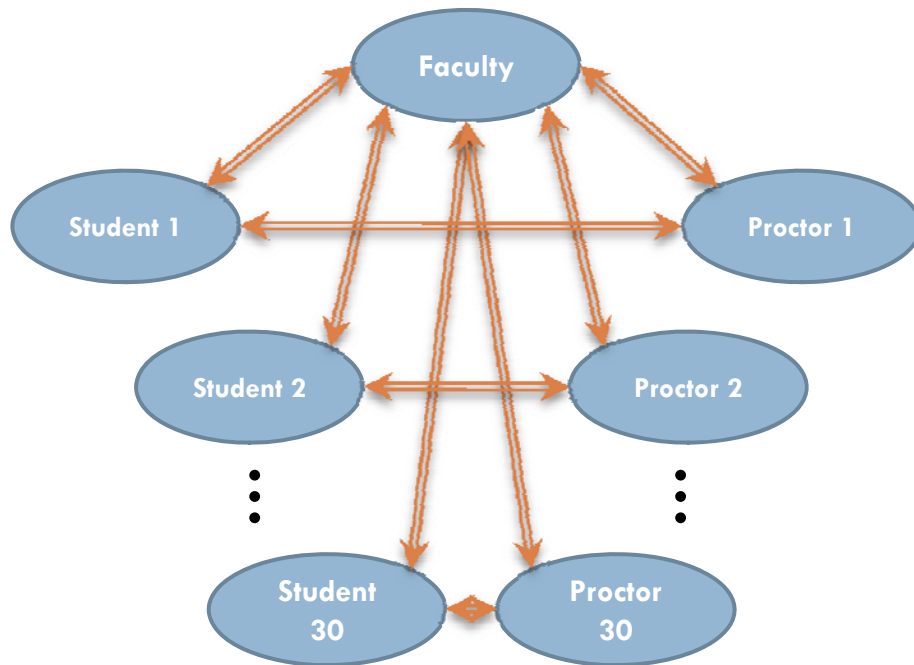# Policy Discussion 1:

# Demonstration of the

# UNC Online

# e-Proctoring System

# What is Exam Proctoring?

- <u>Issue</u>: With online courses, students are scattered throughout the state, nation, and world.

- <u>Solution</u>: Devise a process in which a student completes an exam in front of an approved proctor that has received the exam from that student's faculty member and can return it to the faculty member once the exam is completed.

- Basic Process
  1. Student finds a person willing to proctor an exam (example = librarian at a local public library)
  2. Student notifies faculty member
  3. Faculty member approves of the selection and sends the proctor the exam information.
  4. Student meets the proctor at the agreed upon date/time, shows identification, and takes the exam.
  5. Proctor ensures the student did not cheat and returns the exam materials back to the faculty member as instructed.
  6. Faculty member grades the exam

Faculty

Student ↔ Proctor
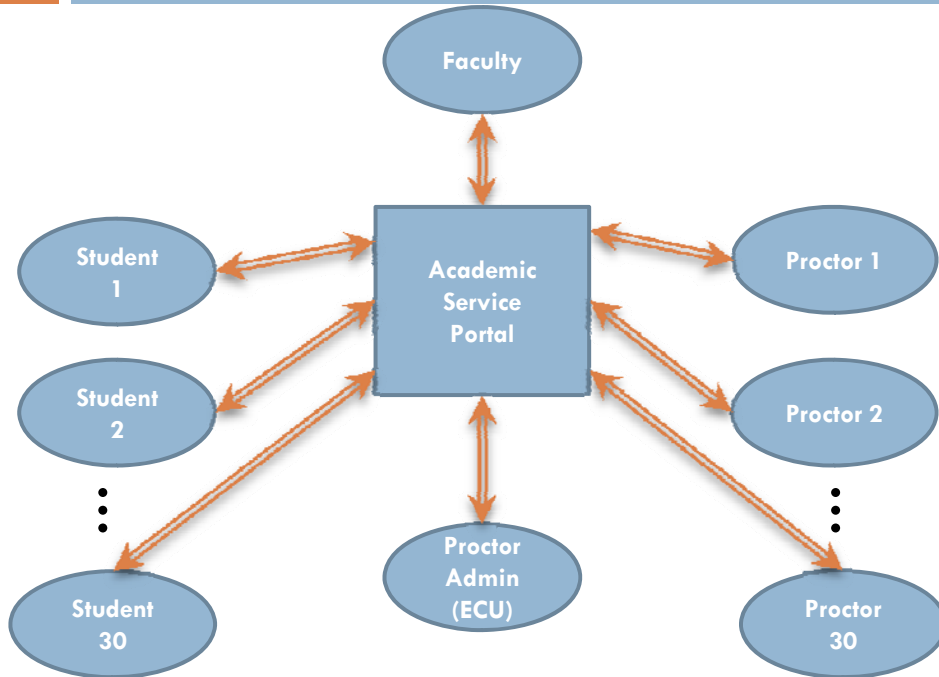
# Exam Proctoring: Without Network



Scales Proportional to # Students and # Exams

- Scenario:
  - 1 Course section with
  - 1 Exam for
  - 30 Students with
  - 30 Proctors

- Faculty:
  - Approve 30 proctors
  - Send exam 30 times

- Proctors:
  - Approved multiple times by different faculty

- Students:
  - Same proctor must be approved by multiple faculty

# Motivation & Approach

- UNC Online: Ensuring Quality
  - Student taking test = Student receiving degree
  - Minimize cheating
  - Strengthen the perception of the online degrees

- Compliance with Higher Education Act of 2008
  - Identity proofing of online students is now showing up in SACS accreditation process

- Partnership with ECU
  - ECU staff member provides oversight for entire system
  - Decentralized expertise coupled with centralized efficiency

- Centralized development & deployment at General Administration
  - Write once, deploy everywhere
  - Effective, efficient, consistent

# Exam Proctoring:  With Network



Scales Proportional to # Exams ONLY

- **Scenario:**
  - 1   Course section with
  - 1   Exam for
  - 30 Students with
  - 30 Proctors

- **Faculty:**
  - Approve 0 proctors
  - Send exam 1 time

- **Proctors:**
  - Approved once for all of UNC

- **Students:**
  - No need for proctor approval

# Demo

- Live system is located at:


[http://services.northcarolina.edu/](http://services.northcarolina.edu/)

# Deployment Status

- ECU in production with all features (August 18, 2010)
  - College of Business, Human Ecology, Nursing, Department of Technology
  - … bringing on additional areas throughout the Fall semester

- Other campuses using limited feature set (find a proctor)
  - WSSU, NCCU, UNCC, and others
  - Not yet implemented Banner/Peoplesoft integrations

- Fall 2010 Semester
  - Tweaking the system based on feedback
  - Continuing to add features (email messaging, reporting, etc)
  - Ready to start deploying full functionality to campuses

# Model for Future

Federated Identity (Shibboleth) **+** Web Service Integration with Banner & Peoplesoft **=** Centralized Web Application Deployment

- ☐ Write once, deploy everywhere
- ☐ Consistent across campuses
- ☐ Effective & efficient implementation
- ☐ Cost effective