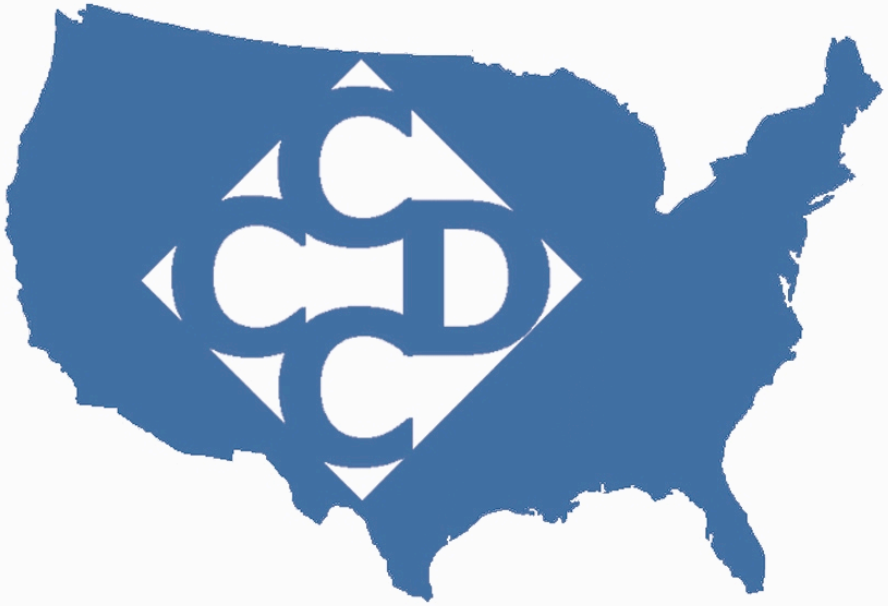

NATIONAL COLLEGIATE CYBER DEFENSE COMPETITION

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NATIONAL COLLEGIATE CYBER DEFENSE COMPETITION

CCDC Objectives

- Build a meaningful mechanism by which institutions of higher education may evaluate their programs.
- Provide an educational venue in which students are able to apply the theory and practical skills they have learned in their course work;
- Foster a spirit of teamwork, ethical behavior, and effective communication both within and across teams;
- Create interest and awareness among participating institutions and students;
- Develop and conduct a fair competition in order to crown a National Champion.

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COMPETITION

History of the CCDC

- A number of schools conduct contests or exercises either as part of a course or as an event outside of class. Some include other schools in their activities.
- In 2004 NSF funded a workshop to determine if it was feasible and if there was enough interest in developing a national collegiate competition.
- In 2005 the first CCDC Regional competition was held in San Antonio, Texas.

NATIONAL COLLEGIATE CYBER DEFENSE COMPETITION

The 2006 National CCDC

- 4 Regional Competitions plus the Service Academy CDX
  - Mid-Atlantic Regional (Lancaster, PA): Millersville University
  - Midwest Regional (Urbana-Champaign, IL): Southern Illinois University
  - SE Regional (Kennesaw, GA): UNC-Charlotte
  - SW Regional (Corpus Christi, TX): UTSA
  - A team from the service academies

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The 2006 National CCDC

- Very similar to the event in 2005
  - Teams are presented their own working, but not necessarily secure, networks.
  - They are responsible for maintaining the network
    - Keep the services running
    - Respond to a variety of business “injects”
    - Operate in a “hostile environment”.
      - A Red Team consisting of industry professionals “plays the part” of attackers normally found on the Internet.
    - The CCDC has been sponsored, in part, by The Department of Homeland Security.

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NATIONAL COLLEGIATE CYBER DEFENSE COMPETITION

The 2006 Sponsors

Gold Level Sponsors

Cisco Systems

Internet Security Systems

Northrop Grumman

TippingPoint a division of 3Com

ISSA Information Systems Security Association The Global Voice of Information Security

Acronis Compute with confidence

Silver Level Sponsors

ThinkGeek

KFC Pizza Hut

coretrace

Pepsi

O'Reilly

Citadel

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(And the Department of Homeland Security)

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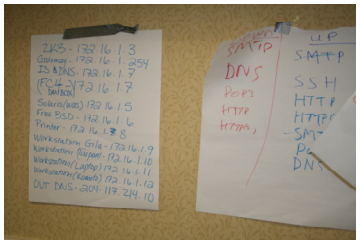
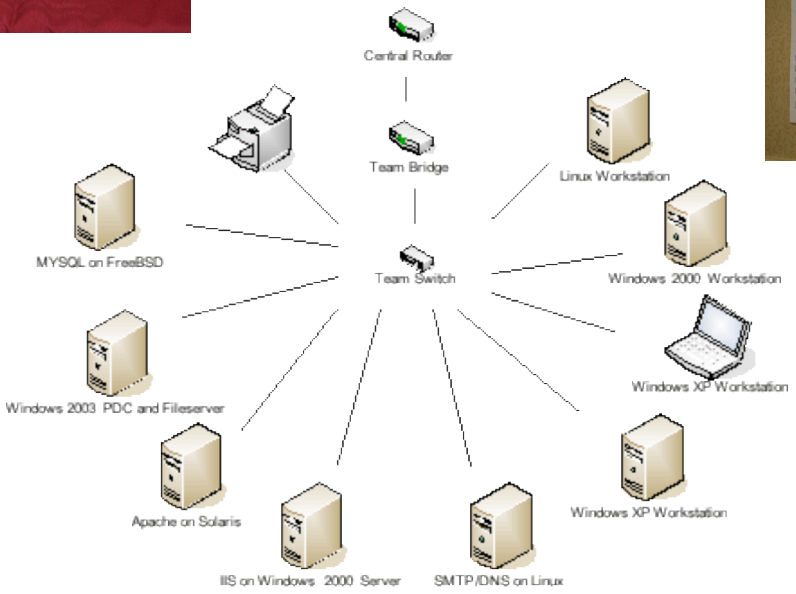
Collegiate Cyber Defense Competition





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NATIONAL COLLEGIATE CYBER DEFENSE COMPETITION

Future of the CCDC

- Obtain corporate and other sponsors
- Increase the number of regional competitions to between 8 and 10 and add an international regional.
- UTSA will Conduct the national competition in 2007 and 2008
- Establish a governing body before the competition in 2007
  - Members of the body will attend the 2007 National Competition
  - The body will develop the governing rules for the CCDC.
- At the 2007 competition, announce secondary competitions to also be conducted at the 2008 National CCDC
  - E.G. a forensics challenge
- At the 2008 National CCDC the new rules will be presented and will be used for the 2009 Regional and National Competitions.

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Questions?

NATIONAL
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- Anne Arundel Community College
- Baker College
- Chattahoochee Technical College
- Del Mar College
- Community College of Baltimore County
- DePaul University
- George Mason University
- Indiana Tech
- Kennesaw State University
- Madison Area Technical College
- Moraine Valley Community College
- Millersville University
- Southern Polytechnic State University
- Southern Illinois University
- Texas A&M University
- Towson University
- The University of Texas at San Antonio
- University of North Texas
- University of Alabama, Birmingham
- University of Louisville
- University of Illinois at Urbana-Champaign
- University of South Florida
- University of North Carolina, Charlotte
- Washtenaw Community
- The Military Service Academies