

CyberPatriot V Sneak Preview Special Edition

Air Force Association's

CYBERPATRIOT

National High School Cyber Defense Competition

presented by **NORTHROP GRUMMAN**
Foundation

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The CyberSentinel

Commissioner's Cache

This month's special edition of *The CyberSentinel* is devoted to providing you an overview of what you can expect in this year's CyberPatriot V. Based on your excellent feedback from CyberPatriot IV, we have made some significant changes to the competition. Our goal has been to improve the technical performance of the competition and to make the competition more challenging and fun. We think you will agree we are on the right track. And please note that September 8th will be a special day. Not only will we conduct a hands-on Sneak Preview of our new CyberPatriot Competition System (CCS) software, we will give you an opportunity to chat with the competition staff. Registered coaches and mentors will be receiving the details explaining how to participate in what we hope is a great online event. I hope you can attend. Oh, and have a wonderful Labor Day weekend!

Bernard K. Skoch
Commissioner
CyberPatriot Program



Program Office Bits

CyberPatriot V Coach and Mentor Registration is Open!

Go to: www.uscyberpatriot.org

- Coaches' Online Meetings: Sept. 11 and 12, 2012
- Coaches' registration ends Sept. 30, 2012
- Students must be entered into the team websites by Oct. 26, 2012
- Team registration payments are due Oct. 31, 2012
- September 8th—CyberPatriot Competition System Sneak Preview

CyberPatriot V Sneak Preview: September 8th Test Drive Software, Chat with Staff

Who: All Registered CyberPatriot Teams, Coaches, and Mentors

What: Hands-On Sneak Preview of the CyberPatriot Competition System

Where: Online from home, school, etc.

When: Saturday, September 8, 2012 (12 noon - 3 pm EDT)

On Saturday, September 8, 2012, from 12 noon to 3 pm EDT, registered teams are invited to try out the CyberPatriot Competition System (CCS) individually or as a team.

For three hours, the CyberPatriot Program Office will open the CCS to all registered CyberPatriot teams. Each team member, including coaches and mentors, may have their own CCS software, known as an image, since the Sneak Preview is not a competition event. Images will use individual logins.

During the week of August 27, 2012, registered coaches and mentors will receive an e-mailed Participation Survey to confirm that they and their teams will test drive the CCS during the Sneak Preview. Coaches may forward the survey to their team members so that they may participate individually. Only those participants or teams that respond to the survey may participate in the Sneak Preview.

Participants are asked to complete the Post-Sneak Preview Survey, with their impressions of CCS.

On or before September 7, 2012, login credentials will be sent to the coaches and mentors who responded to the participation survey. Coaches and mentors may distribute the instructions to their teams. Additionally, the coaches

and mentors will receive the post-Sneak Preview Survey.

At 11 am EDT, September 8, 2012, the program office will begin the Sneak Preview with an AdobeConnect chat session followed by a CyberPatriot Competition System training video. Since connections are limited to the session, coaches are asked to use only one connection per team. After a short break, the hands-on sneak preview will begin.

At 12 noon EDT, participants will be able to access the scoring engine to begin the CCS test drive. Participants should fill in the Post-Sneak Preview Survey while using the software and submit survey responses immediately after the test drive.

For more information, please contact your coach or the CyberPatriot Program Office at: info@uscyberpatriot.org

CyberPatriot V Competition Dates

Oct 1-12, 2012
Combined Practice Round

Nov 2-3, 2012
All Service Division Round 1

Nov 16-17, 2012
Open Division Round 1

Nov 30-Dec 1, 2012
All Service Division Round 2

Dec 7-8, 2012
Open Division Round 2

Dec 10 - (TBD)
CyberNEXS Practice Round*

Jan 11-12, 2013
Combined Semifinals Round 3*

Jan 18-19, 2013
Round 3 Back-up Date*

Feb 1-2, 2013
Combined Consolation Round 3.5

Mar 14-15, 2013
The National Finals Competition*



Black= CCS

*Blue = CyberNEXS

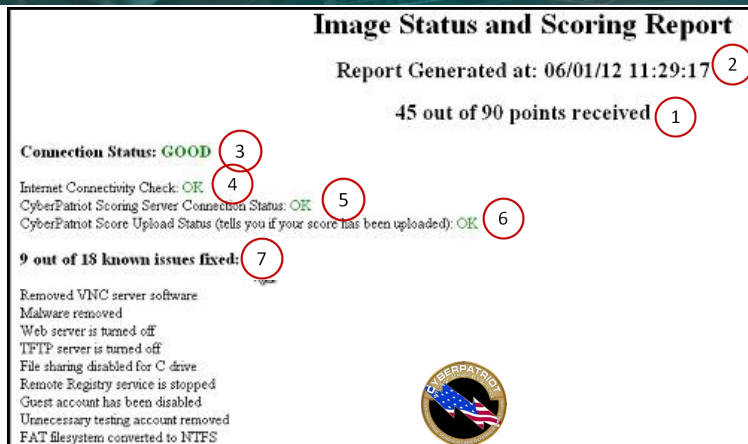


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CyberPatriot Competition System (CCS) Image Status and Scoring Report. (See article below.)



CCS Image Status and Scoring Report

Based on feedback from CyberPatriot participants, we've added new features to the CyberPatriot Competition System (CCS) Image Status and Scoring Report that you'll see during the Sneak Preview. Here's a quick overview of what you will find. (See figure above.)

The Points Received field (1) will show how many vulnerabilities you've successfully fixed out of the total number being scored in the image. The Report Generated time (2) is the last time your scoring client performed a vulnerability check. Times are displayed by default in UTC. If you change your system time, the Report Generated times will be displayed in your new system time. These reports will be generated at three-minute intervals during the Sneak Preview.

CCS also performs periodic connectivity checks, the results of which are displayed in the Connection Status field (3). Keep in mind that CCS, like any Windows application that uses the Internet, is dependent on other, unrelated services to function (any service with the name CyberPatriot in it is directly related to CCS; do not disable them). So be careful when disabling or stopping services. If you're not sure what a process or service is, or what it does, you may not want to disable it — doing so can create problems.

Connection Status is broken down into three subcomponents: Internet Connectivity Check (4), CyberPatriot Scoring Server Connection Status (5), and CyberPatriot Score Upload Status (6). The Internet Connectivity Check lets you know whether or not your system can reach Google. If you change system settings and compromise Internet connectivity (by disabling a network card, for example), this check will fail.

The CyberPatriot Scoring Server Connection Status indicates whether your system can contact the Scoring Server successfully on port 80. The CyberPatriot Score Upload Status lets you know if the Scoring Server confirms successful receipt of your last vulnerability check report.

If all three of these checks are successful, your Connection Status will show as "Good" in green text. If it doesn't, make sure you haven't made changes to your system that could compromise Internet connectivity. If you're still having trouble, click on the Help link for some troubleshooting tips.

The CCS Scoring Page will also let you know how much progress you have made in securing the image. The Known Issues Fixed field (7) displays the vulnerabilities you have successfully remediated. As you fix vulnerabilities, they will be added to this list. This lets you know what is working and what isn't in terms of your approach to securing the system. Vulnerability checks will be performed at three minute intervals during the Sneak Preview - so if you think you've fixed a vulnerability, give it a moment to appear on the Scoring Page.

CyberPatriot V Online Competition Description

The CyberPatriot competition consists of online rounds and The National Finals Competition, which is an in-person competition. The following is the laydown of CyberPatriot V online rounds of competition.

Practice Round. The online Practice Round provides teams 12 days to practice at their own pace with CCS. One server and one workstation image will be available for teams' practice. Teams may run unlimited iterations of the images during the practice round.

Qualification Rounds. Rounds 1 and 2 are online qualification rounds. CCS is the competition system for the rounds. Advancement of teams to the Semifinals will be determined by a combination of division and region rankings, based on teams' composite scores from Rounds 1 and 2. The rules for advancement to the Semifinals will be published after CyberPatriot registration is closed. Below are descriptions of the Qualification Rounds.

Round 1. One image. Six hours to complete.

Round 2. Two images. Six hours per image to complete.

Semifinals Practice Round. Teams advancing to the Semifinals will have one week to practice with CyberNEXS.

Round 3: Semifinals. The Semifinals competition system will be CyberNEXS. Digital forensics will be tested and scored. Image information will be provided at a later date. Other rounds' scores will not be factored into the advancement of teams to The National Finals Competition, except in the case of a tie. Rules for advancement to The National Finals Competition will be published after the close of registration.

Round 3.5: Consolation Round. The Consolation Round competition system is CCS. Teams that competed in Round 3: Semifinals may not compete in the Consolation Round. The round is the final opportunity for teams *not* advanced to the Semifinals to compete. Consolation Round scores will be based solely on the round's results.

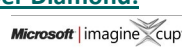


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