Webinar Protocol

:: Mute your phone/mic when not talking
:: Questions during the webinar?
:: Technical problems
About the 2015 Webinar Series

:: Last Friday each month, 1 hour long, 11am ET
:: Great topics
:: Recorder & archived on National CyberWatch Center YouTube channel
National Cyber League (NCL) for the Classroom

:: Produced April 24, 2015
:: 11am EDT
Panelists

:: Casey W. O’Brien

:: Executive Director, National CyberWatch & NCL Commissioner

:: cobrien@nationalcyberwatch.org
Panelists (con’t)

:: James Jones, Executive Director
:: Mid-Pacific Information & Communication Technologies (MPICT) Center
:: jjones@mpict.org
Panelists (con’t)

:: David Durkee, Midwest CCDC Regional Director
:: Center for Systems Security & Information Assurance (CSSIA)
:: nclcssia@gmail.com
Discussion

:: Current Cyber Exercise Landscape
:: Differentiators
:: What is the NCL?
:: 2014 fall season highlights
Discussion (con’t)

:: Enrichment & Assessment
:: Preparation for Certifications
:: Support for Players & Coaches
:: 2015 fall season
Current Cyber Exercise Landscape

:: Mainly “one off” playoff systems
:: Gaming exercises first; educational experiences second
:: Difficult to measure participants’ performance/skills
Current Cyber Exercise Landscape (con’t)

:: Expensive (especially F2F)
:: Don’t scale well
Differentiators from Other Competitions

:: Games are conducted using 100% cloud-based services – AKA the NCL Stadium
:: Hosted lab exercises & games are based on widely adopted performance-based professional certification exam objectives
Differentiators from Other Competitions (con’t)

· Preparatory lab exercises and games help prepare students for popular industry certification exams
Differentiators from Other Competitions (con’t)

:: Games measure skills being developed in the NCL Gymnasiums
Differentiators from Other Competitions (con’t)

:: Games support individual and team play to develop cybersecurity skills as well as soft skills
:: Enriching the classroom learning experience
What is the NCL?

:: Founded May 2011:

:: CSSIA, CSPRI, CyberWatch West, MPICT Center, National CyberWatch
What is the NCL? (con’t)

:: Provide an ongoing virtual training ground for faculty and students to develop and validate cybersecurity skills using content aligned with individual and team exercises
What is the NCL? (con’t)

:: This model is scalable across many industry certifications, curricula, job roles, and verticals
What is the NCL? (con’t)

:: Eligibility requirements
:: Individual and team games (in NCL Stadium)
:: Hosted lab exercises (in NCL Gyms)
What is the NCL? (con’t)

:: Preparation for other cybersecurity competitions

:: 3 Conferences: Eastern, Midwestern, Western

:: Bracket system: Gold (Advanced), Silver (Intermediate), Bronze (Novice)
## 2014 Fall Season Highlights

<table>
<thead>
<tr>
<th>2014 NCL Fall Regular Season by the Numbers</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total # of registered users (Pre/Regular Seasons)</td>
<td>1368</td>
</tr>
<tr>
<td>Total # of states</td>
<td>35</td>
</tr>
<tr>
<td>Total # of schools</td>
<td>145</td>
</tr>
<tr>
<td>Total # of coaches</td>
<td>233</td>
</tr>
</tbody>
</table>
2014 NCL Fall Postseason by the Numbers

<table>
<thead>
<tr>
<th></th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total # of registered users</td>
<td>624</td>
</tr>
<tr>
<td>Total # of teams</td>
<td>86</td>
</tr>
<tr>
<td>Total # of schools</td>
<td>63</td>
</tr>
<tr>
<td>Total # of coaches</td>
<td>65</td>
</tr>
</tbody>
</table>
2014 Fall Season Highlights (con’t)

:: Largest paid intercollegiate CTF in the U.S
:: First corporate sponsor (Facebook)
:: Improved communications & marketing efforts
2014 Fall Season Highlights (con’t)

:: 24x7 lab exercises based on CEH and Security+

:: Scouting Reports

:: Evaluation
NCL for Enrichment & Assessment

:: Aligning competition events to academic calendars
:: Providing a mechanism by which players & coaches can assess the effectiveness of their skills, curriculum, etc.
NCL Scouting Reports

:: Individualized report documenting how players performed relative to other players nationally and in their region
NCL Scouting Reports (con’t)

:: Includes:

:: Player statistics
:: Conference and national rankings
:: Skills validation metrics
NCL Scouting Reports (con’t)

:: Example
NCL as Certification Preparation

:: Continuing the acquisition of skills tied to curriculum, industry needs, and professional certifications:

:: Security+™

:: Certified Ethical Hacking (CEH™)
Support for Players and Coaches

:: Laboratory exercises in 24 x 7 gymnasium

:: Tutorials & videos:

www.youtube.com/user/NationalCyberLeague
Support for Players and Coaches (con’t)

:: Solutions documents

:: Syllabi
2015 Fall Season

:: Schedule
Connect with the NCL

:: @NatlCyberLeague

:: Facebook

:: Website
Call to Action

:: Want to be more involved?

:: Looking for coaches and players to create targets, challenges, and provide solutions

:: cobrien@nationalcyberwatch.org
Next Webinar

:: May 29, 11am EDT

:: National Centers of Academic Excellence in Information Assurance/Cyber Defense (CAE IA/CD): Program Updates and Support
Thanks!

:: Check your inbox for future webinar invitations and links to today’s recording