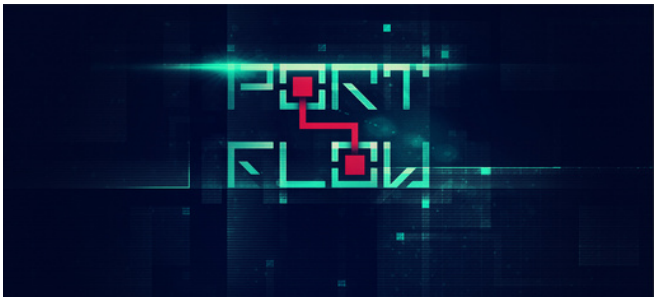


Cyber Learning Games

Project Ares Arcade-style Cyber Games
Learning is Fun



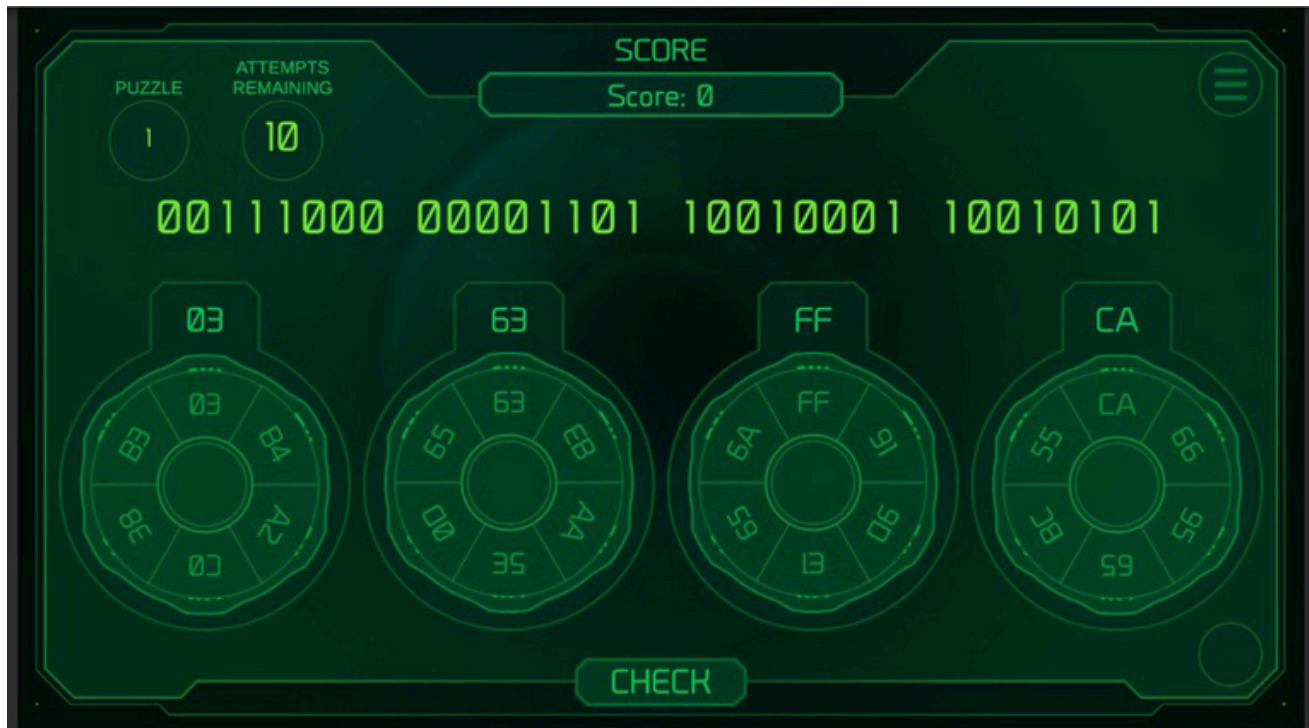
Explore Foundational Cyber Concepts
Cyber Kill Chain
Ports and Protocols
Pattern Analysis
and More



CYBER VAULT

CRACK THE CODE AND OPEN THE VAULT

Build conversion proficiency between decimal, binary, and hexadecimal formats.



Number system conversion is an important skill for cyber professionals doing log analysis and forensic research for incident response.

- Choose the numerical base for the displayed IP address and select a different numerical base as the combination to open the vault.
- A tutorial on base conversion is included.

SCORING

Each answer is worth 10 points. The possible achievable score is reduced by 1 point each time an attempted combination is incorrect.



CYLITARE™

ORGANIZE THE CARDS AND CLOSE A HACKING INCIDENT

Learn cyber threat intelligence concepts via the kill chain framework.



From organization preparedness, to incident management, to forensics and penetration testing, all cyber professionals need to understand the phases of the kill chain. Blue teams strive to shorten it and red teams employ it.

- Cylitare and TacChain are loosely based on the classic card game Solitaire.
- Cards align to phases in a cyber intrusion kill chain through indicators of compromise representing attacker tactics, techniques, and procedures (TTPs).
- Progressive levels remove supporting information and hints increasing the challenge to remember the kill chain intrinsically.

SCORING

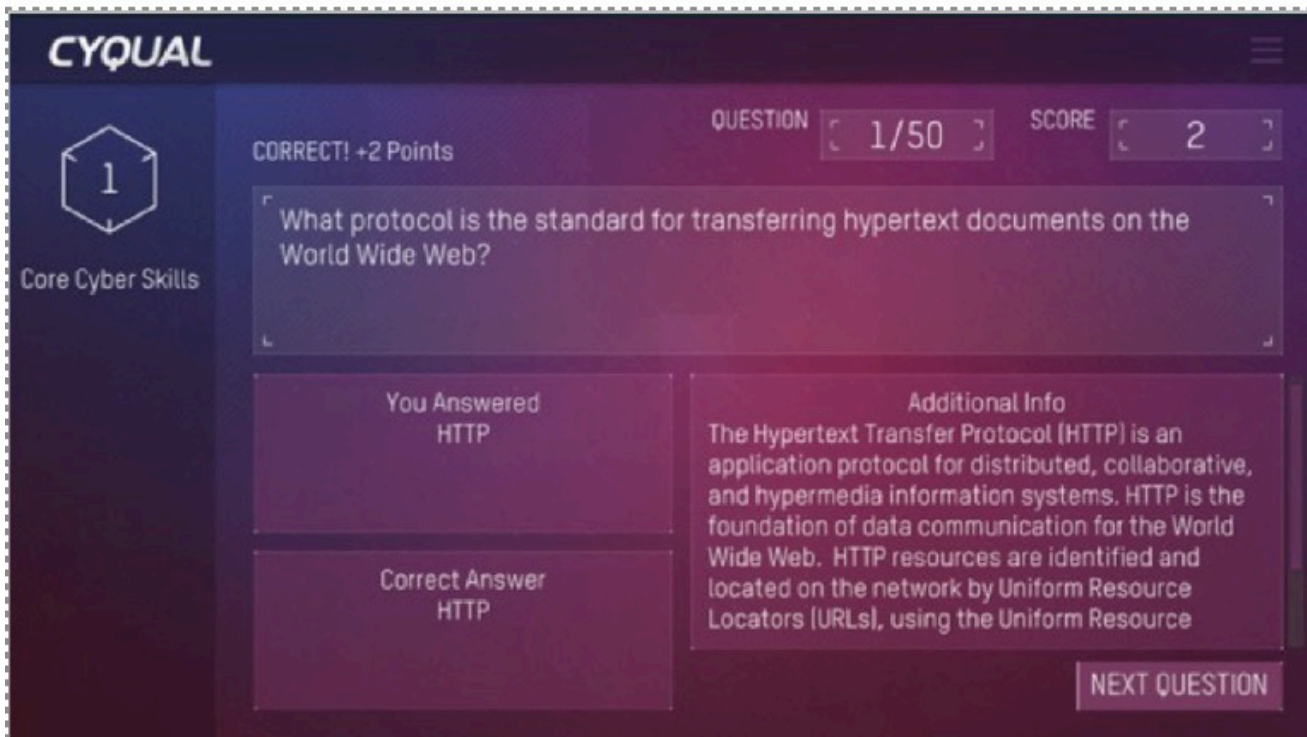
This game has a negative score timer – the more time the player takes, the lower the resulting score.



CYQUAL

TEST YOURSELF

Expand understanding of cyber security work roles.

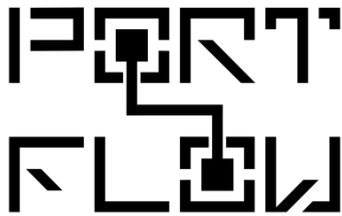


Build cyber qualifications of basic cybersecurity terms and concepts and explore the skills and knowledge needed for specific cyber security roles.

- This multiple-choice quiz format provides feedback to each answer and additional information to expand learning.
- There are over 700 questions. Both the questions and the order of answer choices are randomized for iterative play.
- The default is 50-questions per round.

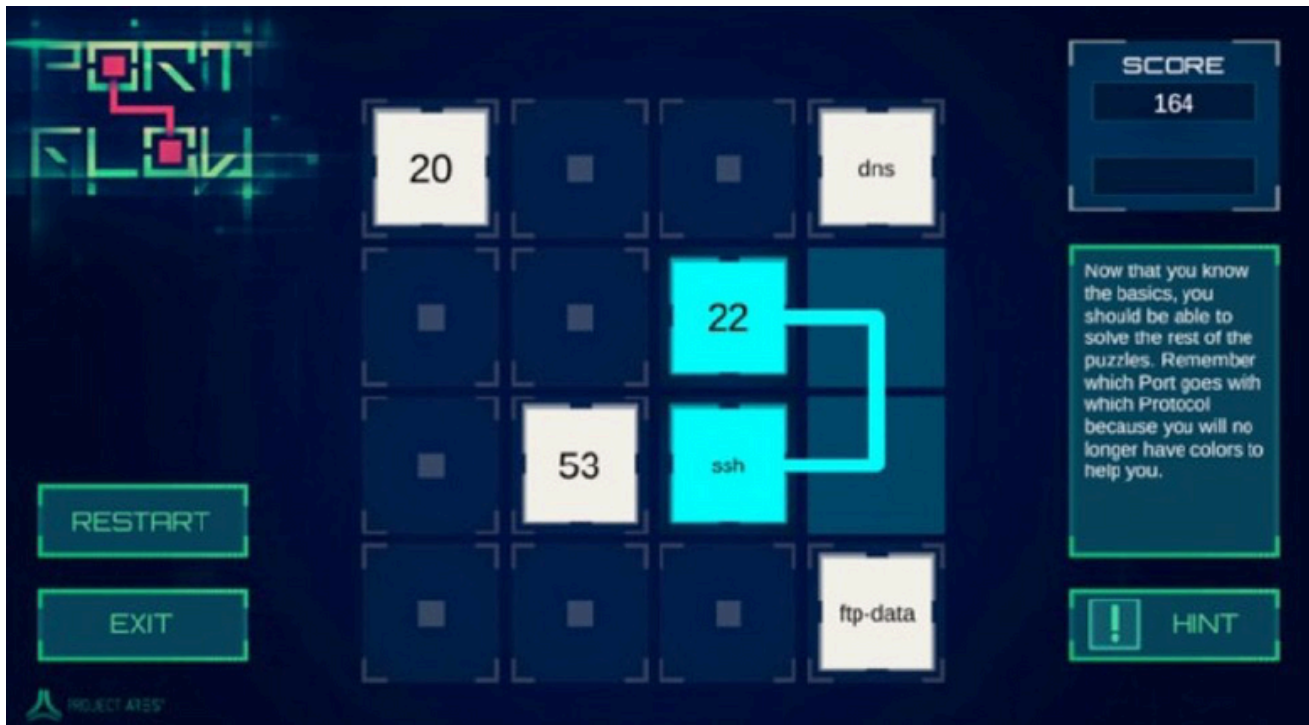
SCORING

Points range from 1-6 based on question difficulty.



COMPLETE THE LOGIC GRID

Master common ports and their associated protocols.



Ports and protocols are fundamental aspects of network communications. Understanding their interconnection is key to cyber security preparedness.

- Players draw connections between the correct port and protocol while using each square in the puzzle.
- The game has 60 different puzzles starting with a 4X4 grid and ending with 8X8 grids.

SCORING

This game has a negative score timer – the more time the player takes, the lower the resulting score.



HURRY! YOU NEED TO SAVE THE WORLD

Improve analysis skills through regular expression techniques.



Pattern analysis is the process of finding general relationships in a set of data and is a critical tool in cyber security incident response and digital forensics.

- This fast-paced, pattern-recognition game uses regular expressions to identify attacking robots and avoid hurting humans.
- Get started with basic tasks to manipulate and match strings. Then advance to special character classes, grouping, and anchors.
- The game has nine levels of difficulty.

SCORING

Through waves of attacks, deliver regular expression accuracy to maintain health and save transports. Max out achievement in these categories to win and save the world.



TRIVIA LOOT

WHAT IS CYBER TRIVIA?

Get immersed in cyber culture.



Jump into all things cyber with this light-hearted take on a variety of cyber security industry topics using a reverse answer-to-question format.

- Categories include kill chain, security tools, tactics, internet history, famous attacks, infamous hackers, and even cyber movies.
- Database contains over 250 questions.

SCORING

Correct responses add points and incorrect responses deduct points.

Cyber Learning Games

