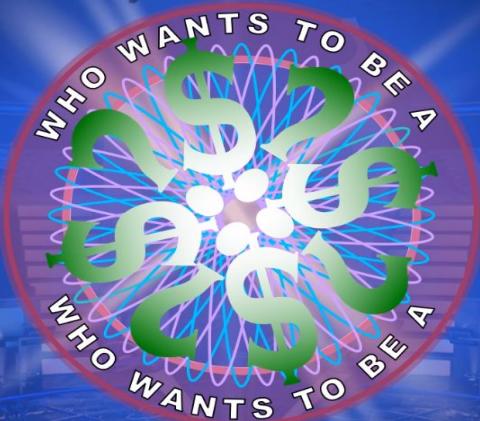


Raising Cybersecurity Resilience with CyberSmart Trivia

Presented by:



CyberSmart Trivia



LET'S PLAY!

A GAME THAT WILL PROTECT THE WORLD

TEAM MEMBERS

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Anuinder Sekhon

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MILESTONES



Theme

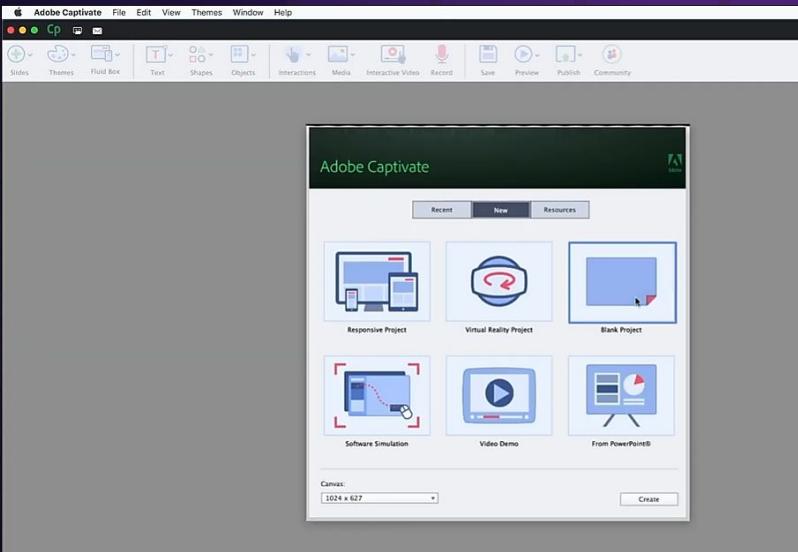
Type

Audience

Privacy Review

IMPORTANCE OF GAMIFICATION

TOOL USED



Adobe
Captivate

GAME INTERFACE



Educational
Content



Interface



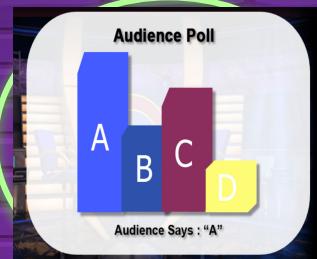
Audio



Rewards

SURVIVAL LINES

50:50



50:50

Audience Poll



Phone-a-friend

TYPES OF QUESTIONS

Scenario Based Questions

Image/Video Based

Drag and Drop

Code Simulation

QUICK LOOK AT THE GAME



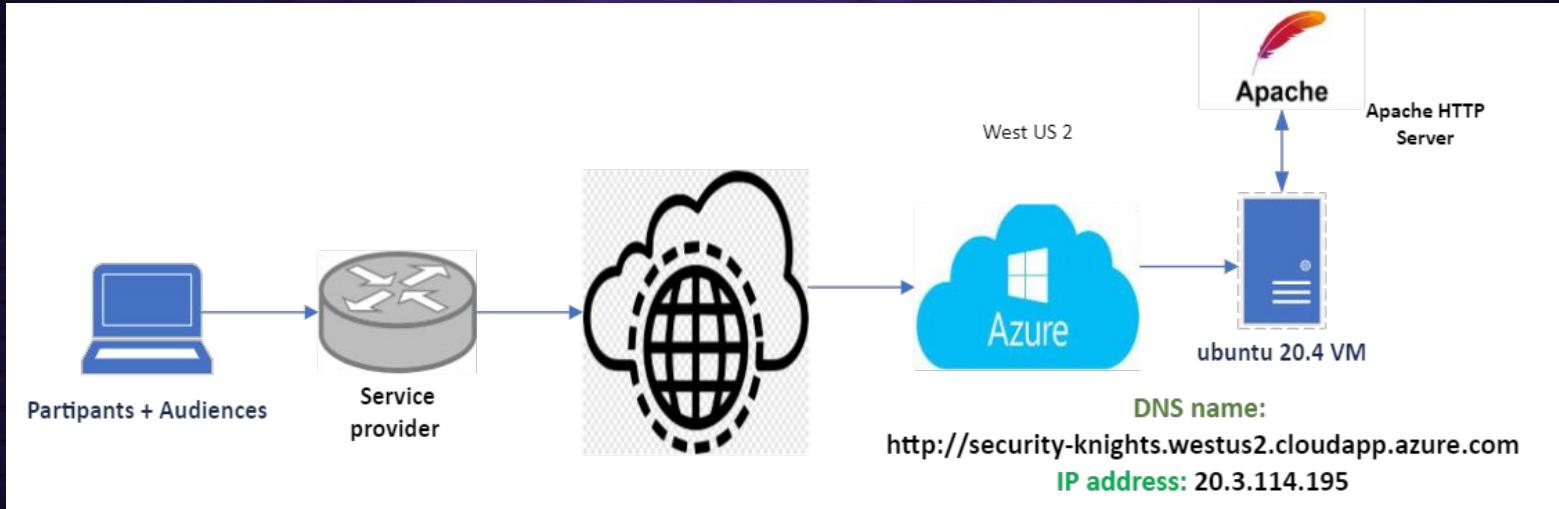
<http://security-knights.westus2.cloudapp.azure.com>



QUICK LOOK AT THE GAME



HOSTING ON Cloud



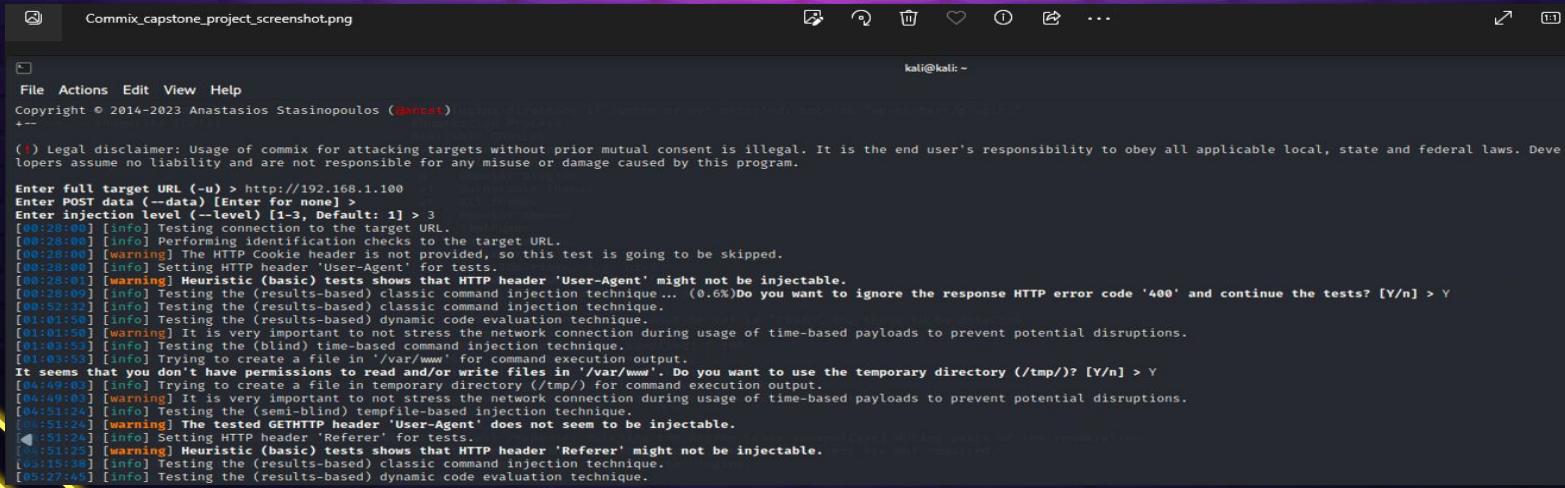
Scalability + Flexibility
Cost Saving

Data loss prevention
Advanced security

SECURITY & PRIVACY

REVIEW

PenTest + Platform	Command Injection	Target Resource	Result
OWASP +Commix Kali Linux	Blind (time-based), Heuristic, temp/file, temp/dir	HTTP header, GETHTTP, host, useragent	Error -> all parameters Not Injectable (secured)



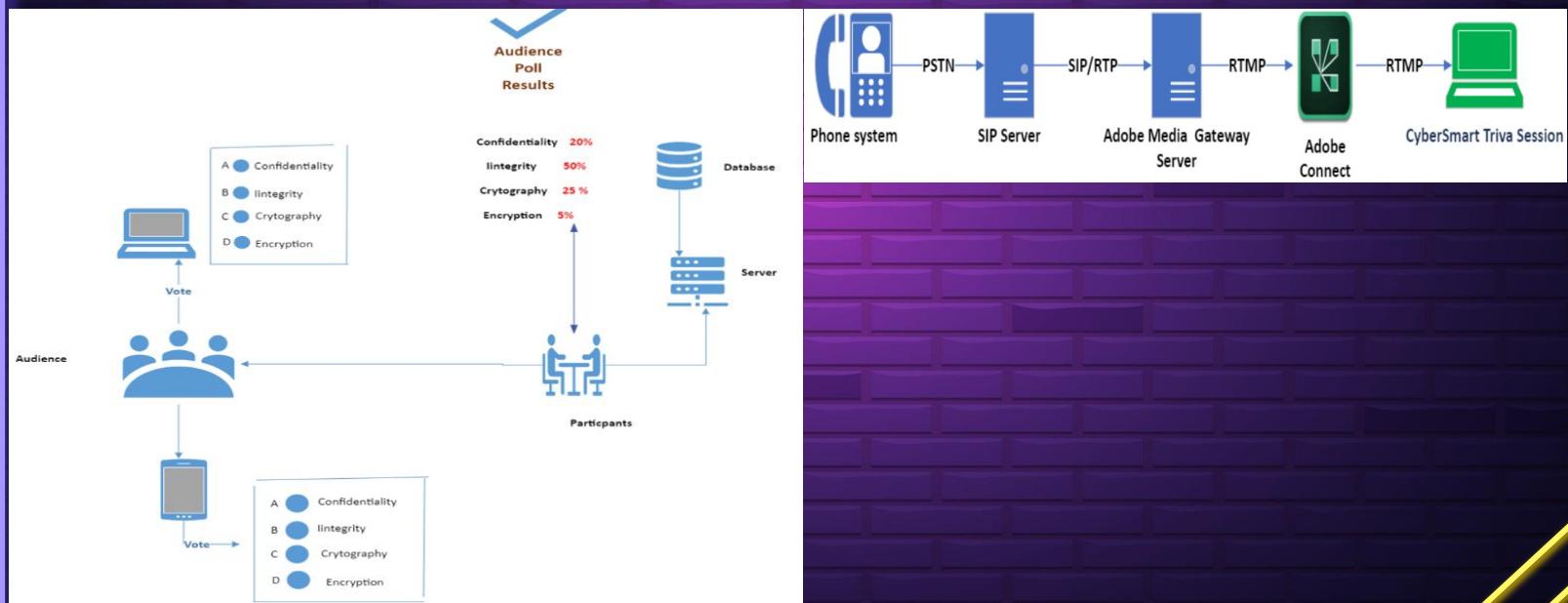
The screenshot shows a terminal window titled "Commix_capstone_project_screenshot.png". The terminal output details a command injection test against a target URL. The test includes various checks like identification, connection testing, and different heuristic tests. It also handles potential errors and user prompts for ignoring specific responses.

```
File Actions Edit View Help
Copyright © 2014-2023 Anastasios Stasinopoulos (@nastet) https://github.com/nastet/commix https://www.nastet.net https://www.nastet.net/commix
-- 

(!) Legal disclaimer: Usage of commix for attacking targets without prior mutual consent is illegal. It is the end user's responsibility to obey all applicable local, state and federal laws. Developers assume no liability and are not responsible for any misuse or damage caused by this program.

Enter full target URL (-u) > http://192.168.1.100
Enter POST data (-data) [Enter for none] :
Enter injection level (-level) [-3, Default: 1] > 3
[...]
[info] Testing connection to the target URL.
[00:28:00] [info] Performing identification checks to the target URL.
[00:28:00] [warning] The HTTP Cookie header is not provided, so this test is going to be skipped.
[00:28:00] [info] Setting HTTP header 'User-Agent' for tests.
[00:28:01] [warning] Heuristic (basic) tests shows that HTTP header 'User-Agent' might not be injectable.
[00:28:09] [info] Testing the (results-based) classic command injection technique ... (0.6%) Do you want to ignore the response HTTP error code '400' and continue the tests? [Y/n] > Y
[00:52:32] [info] Testing the (results-based) classic command injection technique.
[01:01:50] [info] Testing the (results-based) dynamic code evaluation technique.
[01:01:50] [warning] It is very important to not stress the network connection during usage of time-based payloads to prevent potential disruptions.
[01:03:53] [info] Testing the (blind) time-based command injection technique.
[01:03:53] [info] Trying to create a file in '/var/www' for command execution output.
It seems that you don't have permissions to read and/or write files in '/var/www'. Do you want to use the temporary directory (/tmp)? [Y/n] > Y
[04:49:03] [info] Trying to create a file in temporary directory (/tmp/) for command execution output.
[04:49:03] [warning] It is very important to not stress the network connection during usage of time-based payloads to prevent potential disruptions.
[04:51:24] [info] Testing the (semi-blind) tempfile-based injection technique.
[05:51:24] [warning] The tested GETHTTP header 'User-Agent' does not seem to be injectable.
[...]
[info] Setting HTTP header 'Referer' for tests.
[05:51:35] [warning] Heuristic (basic) tests shows that HTTP header 'Referer' might not be injectable.
[05:15:39] [info] Testing the (results-based) classic command injection technique.
[05:27:45] [info] Testing the (results-based) dynamic code evaluation technique.
```

APPLICATIONS AND FUTURE FEATURES



THANKS!

DO YOU HAVE ANY QUESTIONS?