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AIS Dynamic Defense Capture the Flag Exercise (Ru5tedBun1ons) 3.0

Assured Information Security, Inc.

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Agenda

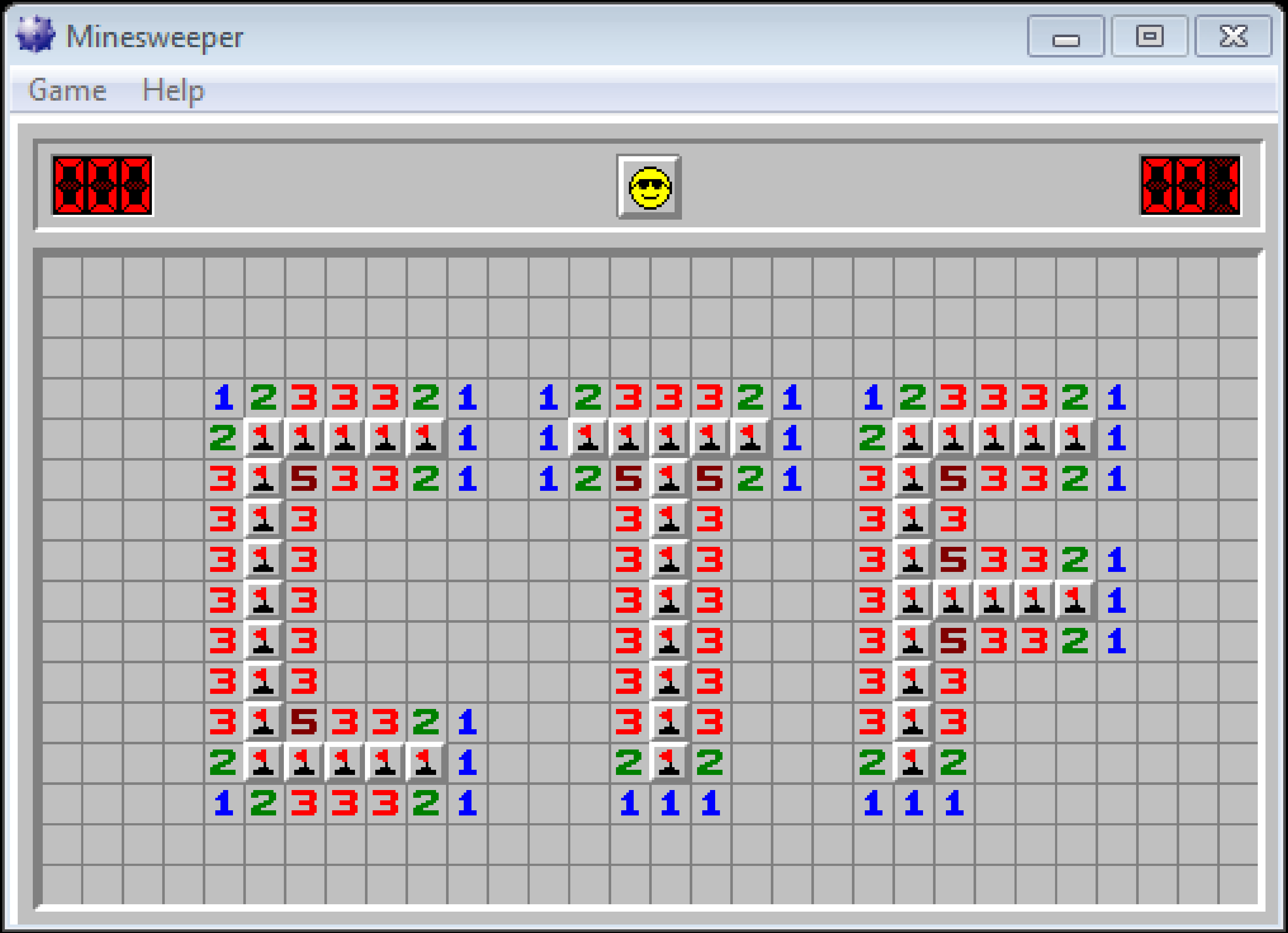
- AIS R&D: Virtual Machine Introspection (VMI)
- Hackathon Capture The Flag Challenges

Background: Virtual Machine Introspection

Essentially provides ‘god-mode’ control over VMs and all from an architectural vantage point

Typical Uses of VMI

- Defenses
  - Anti-Virus scans
  - Live guest patching
  - System Protection
- Malware analysis
- Software analysis
- Reverse engineering

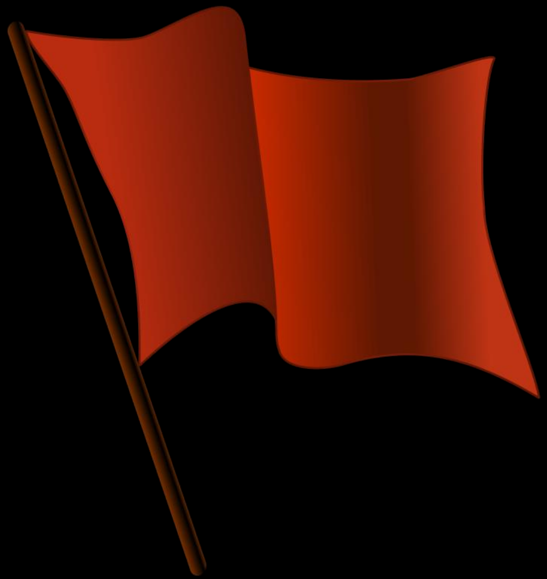


Minesweeper
Game
Help

IntroVirt in the CTF

- You will gain access to multiple VMs running on top of IntroVirt
- IntroVirt will introduce inconsistencies, oddities, or abnormalities into some aspect of system operation
- You will be given hints as to things you can do on these systems to find (or be presented with) the flag
- You submit the flag and get points

On to the challenges!



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CTF Challenges

There will be a problem to solve. You have to find any working solution.

INFO?

https://github.com/vix597/Ru5tedBun1ons

Currently being updated. Will be ready at the start of the hackathon tomorrow morning. But the machines are up now. So ya know….

Overview:

Scoring

- Level 1 (Easy): 100 points
- Level 2 (Easy): 100 points
- Level 3 (Medium): 200 points
- Level 4 (Hard): 200 points

Thank You.

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