Hacking .NET Applications: The Black Arts

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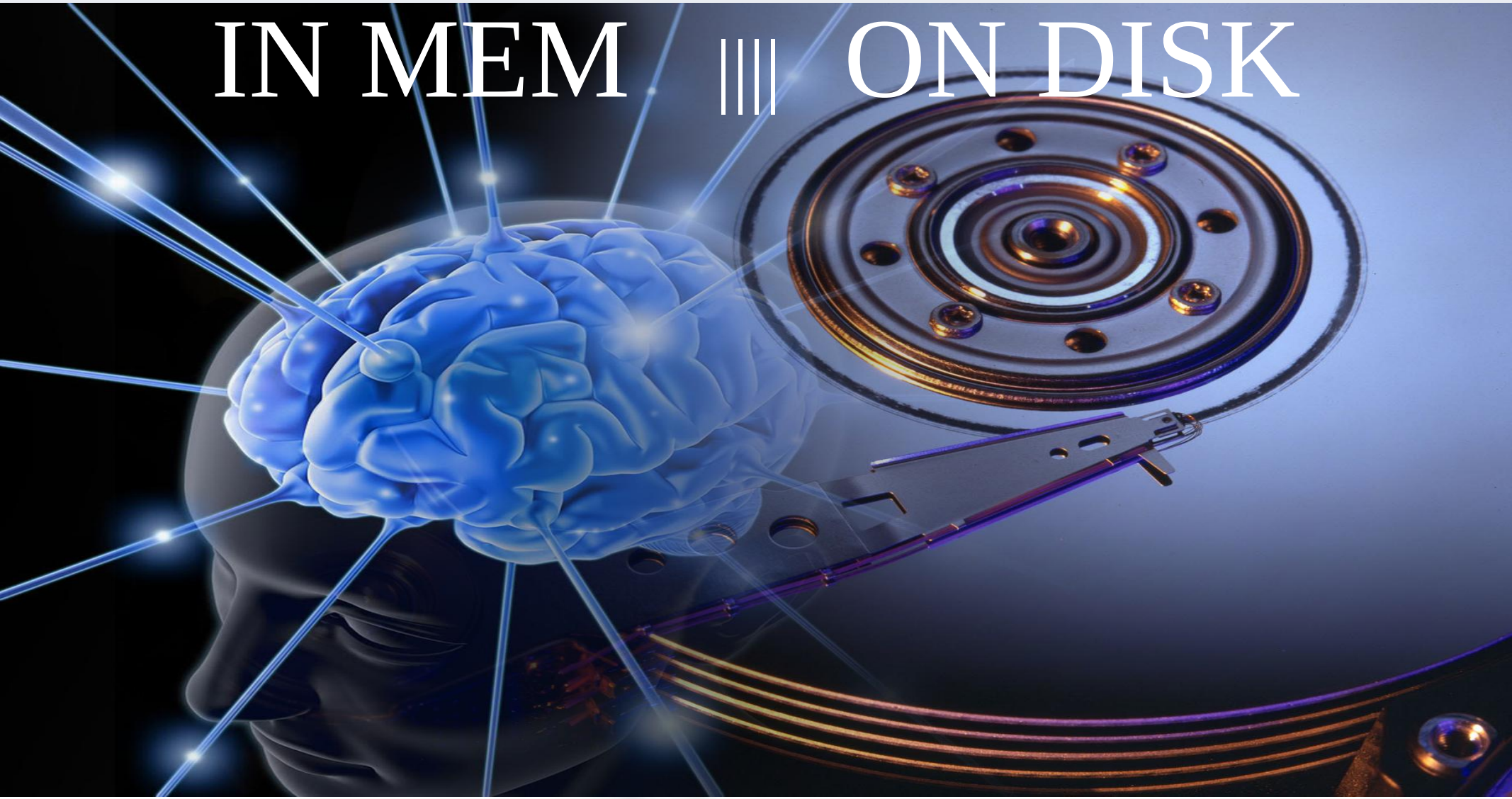
TOPICS

- How-To Attack .NET Applications
- Tools and Methodology of Attacking
- Overcome “secure” .NET Applications
- Building KeyGen/Crack/Hacks/Malware
- Reverse Engenerring for Protection

Attacking/Cracking



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ATTACK OVERVIEW

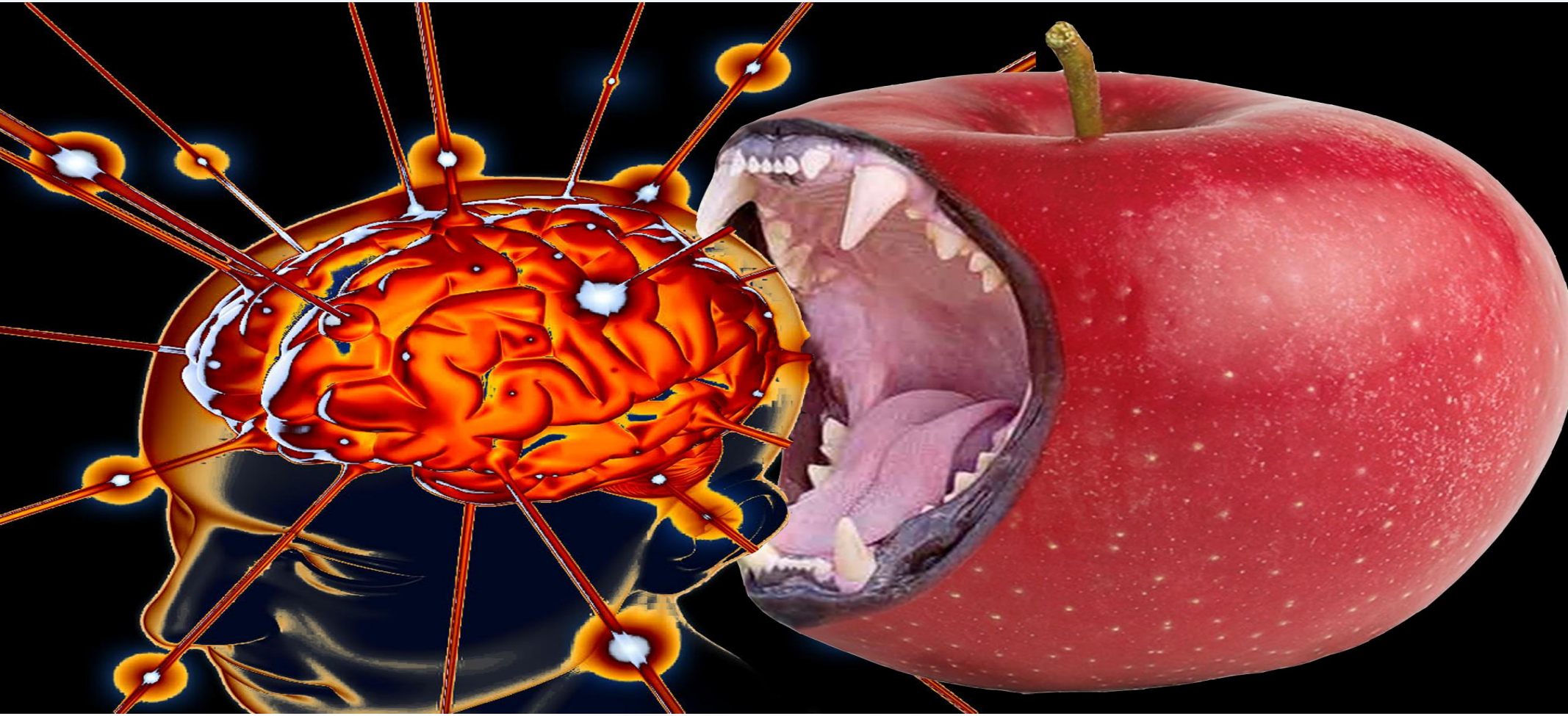
Attack on Disk

- Access Logic
- Infect Logic
- Hook Logic
- Decompile
- Recompile
- Debug

Attack in Memory/Runtime

- Injecting Structure
- Navigating Structure
- Editing/Controlling Structure

ATTACKING .NET APPLICATIONS: AT RUNTIME



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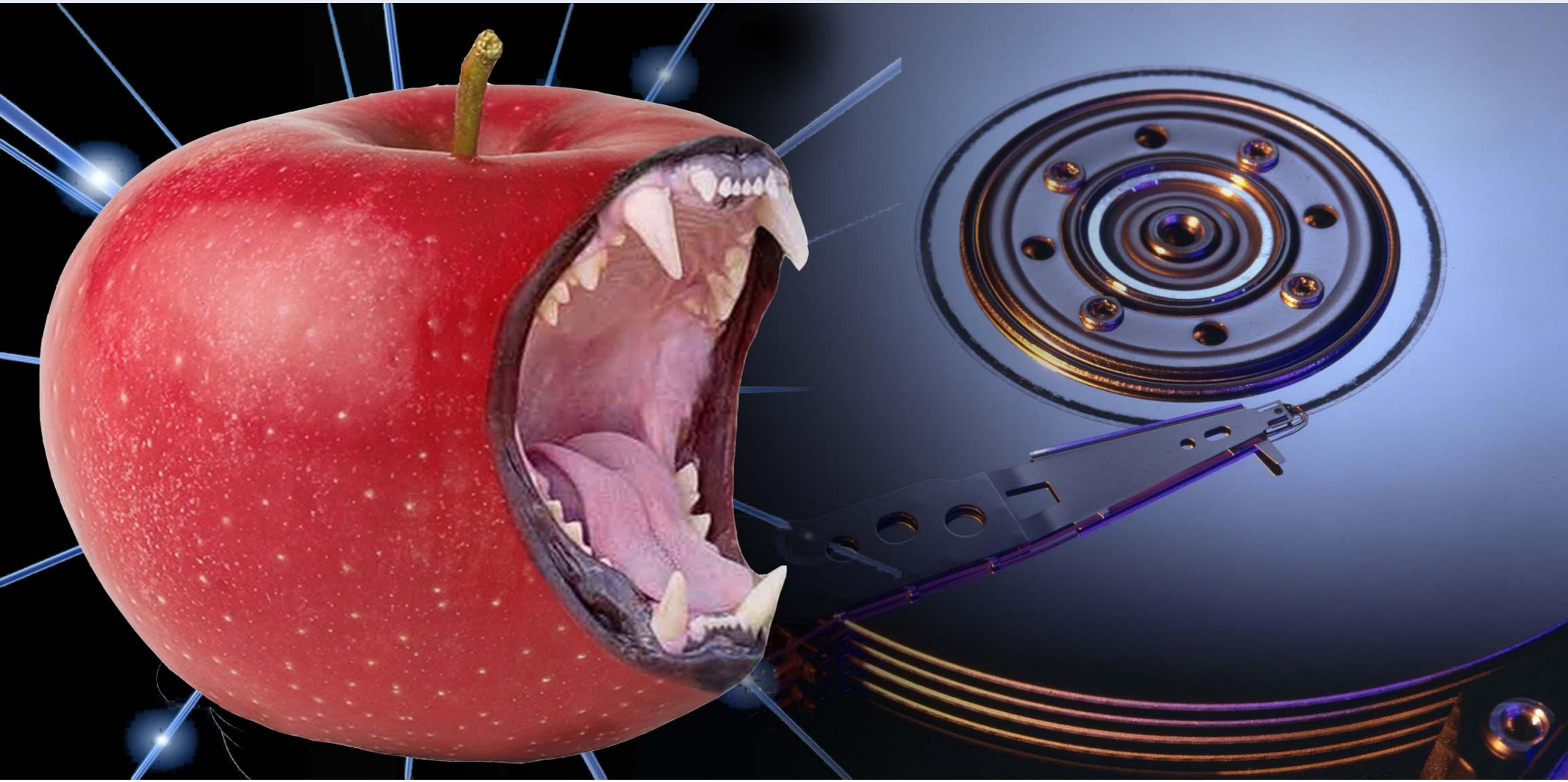
ATTACKING ON DISK



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101 – DECOMPILERS

DEMO

GrayWolf – IL_Spy – Reflector

101 - Recon

Windows Media Center

- Core File Location

C:\Windows\ehome\ehshell.dll

- StrongName KEY

d:\w7rtm.public.x86fre\internal\strongnamekeys\fake\windows.snk

- Registry CurrentUser OR LocalMachine

SOFTWARE\Microsoft\Windows\CurrentVersion\Media Center\

- Web Host Address

www.microsoft.com/WindowsMedia/Services/2003/10/10/movie

101 - ATTACK ON DISK

- Connect/Open - Access Code
  - Decompile - Get code/tech
  - Infect - Change the target's code
  - Exploit - Take advantage
  - Remold Application - WIN

THE WEAK SPOTS


Flip The Checks


Cut The Logic


Controlling Objects

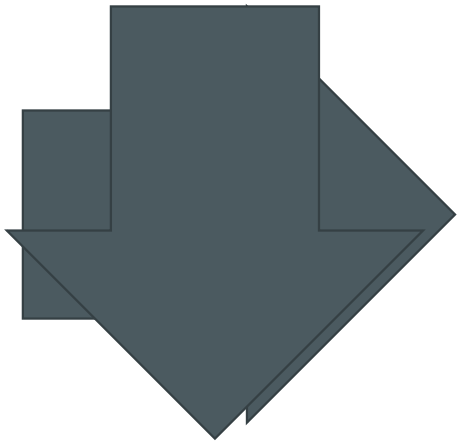

Accessing Value


Set Value is “True”

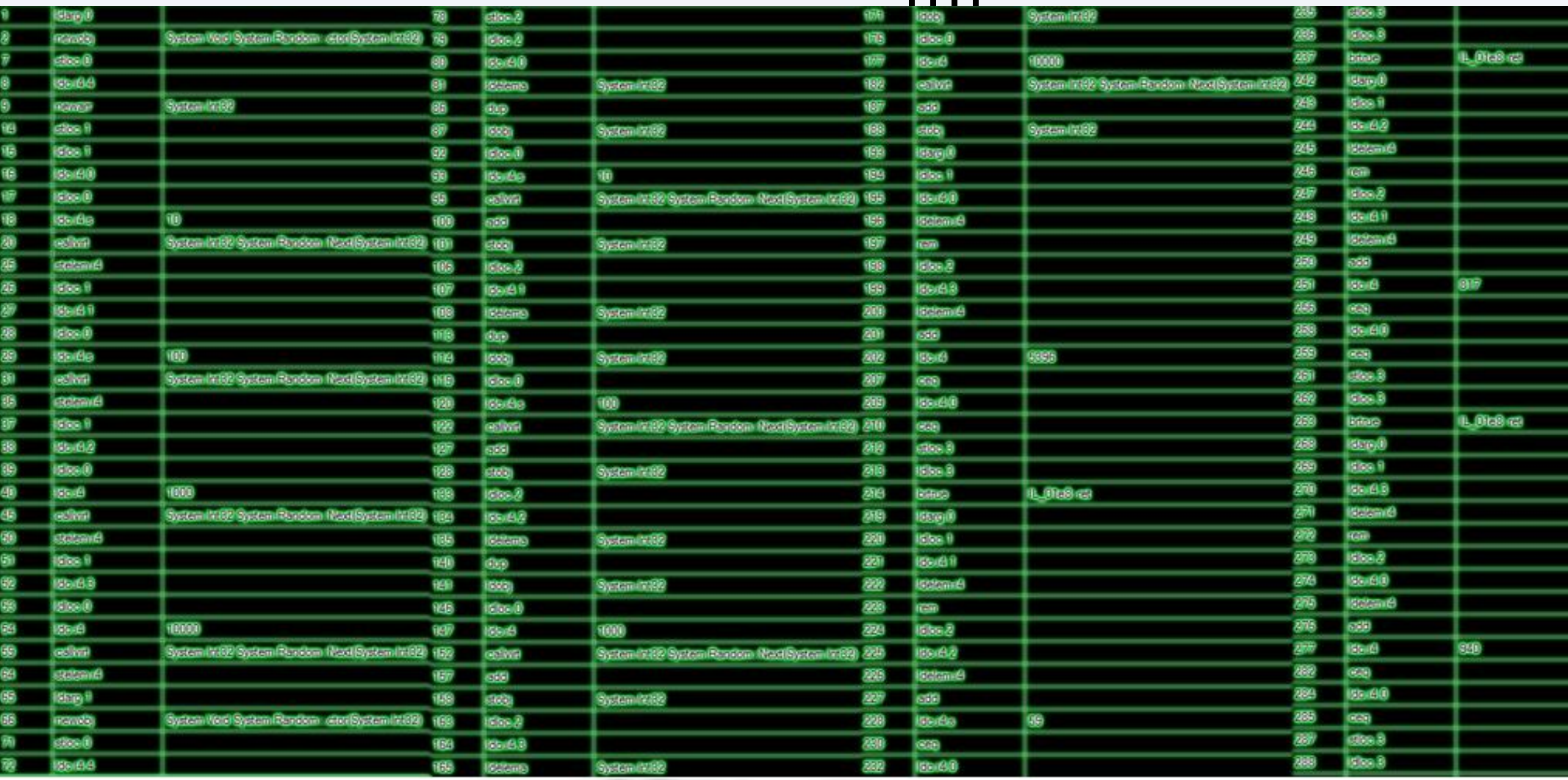
SET VALUE TO “TRUE”

~~bool Registered = false;~~

~~If(a!=b)~~



IL – Intermediate Language
Code of the Matrix ||| NEW ASM



REGISTRATION CHECK

- KeyGens
- &
- Cracks

IT CAN'T BE THAT EZ

NO

What can stop this!!

UNPROTECTED/PROTECTED

IT CAN'T BE THAT EZ

NO YES

What can stop this!!!

MALWARE FIGHT

Androsa FileProtector

Version 1.4.4

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