

Responder Professional™

Are you performing a complete computer investigation?

Responder™ Professional: The ultimate in Windows™ physical memory and automated malware analysis all integrated into one application for ease of use, streamlined workflow, and rapid results. The Professional platform is designed for Incident Responders, Malware Analysts, and Computer Forensic Investigators who demand the very best. Responder Professional provides powerful memory forensics, malware detection and software behavioral identification with Digital DNA™.

Memory Preservation: FDPro is included with Responder™ Professional. FDPro is the most complete memory acquisition software in the industry. FDPro is the only application that can preserve Windows™ physical memory and Pagefile for information security and computer forensic purposes.

Memory Analysis

Critical computer artifacts are found only in live memory and Responder makes it easy to uncover and take advantage of this search, identify and report on f critical information with easy to use and an intuitive GUI designed to support investigation workflow.

Process Name	...	Command Line	Start Time
Idle	0		0
rpcsetup.exe	1012	"C:\Program Files\Access Remote PC 4\rpcsetup.exe" /server /silent	4:33:06 PM
ieexplore.exe	1040	"C:\Program Files\Internet Explorer\ieexplore.exe"	12:00:15 ...
VMwareService.e	1088	"C:\Program Files\VMware\VMware Tools\VMwareService.exe"	4:33:06 PM
procexp.exe	1236	"C:\toolz\procexp\nt\procexp.exe"	12:00:06 ...
cmd.exe	1244	"C:\WINDOWS\system32\cmd.exe"	12:00:11 ...
explorer.exe	1512	C:\WINDOWS\Explorer.EXE	4:33:09 PM

Malware Detection with Digital DNA™

Digital DNA is a revolutionary technology to detect advanced computer security threats within physical memory. All memory is analyzed offline as a file; there is no active code to fool our analysis. We do not rely on the Windows operating system since we assume it is compromised and cannot be trusted. All executable code in memory is scanned, scored and ranked by level of severity based upon programmed software behaviors.

Digital DNA Sequence	Module	Process	Severity	Weight
0B 8A C2 05 0F 51 03 0F 6...	imo.sys	System	■■■■■	92.7
0B 8A C2 02 21 3D 00 08 63	ipfltdrv.sys	System	■■■■■	13.0
0B 8A C2	intelppm.sys	System	■■■■■	11.0
05 19 34 2F 57 42 00 7E 1...	ks.sys	System	■■■■■	-10.0
02 21 3D 2F 1C FD 00 08 63	ipnat.sys	System	■■■■■	-13.0
2F 7B ED	ipsec.sys	System	■■■■■	-15.0

Automated Malware Analysis

More computer crimes are involving malware as a method of gaining access to confidential information. The new face of malware is designed to never touch the disk and reside only in memory. Important delivery information, rootkit behaviors and malware not detected by AV can be easily found using Professional.

Reporting

A flexible reporting module is built in for ease of use so you can quickly deliver the information in a succinct manner to attorneys, management or clients.

Report
0377f1a60cec37e060434d8637ddd3e9.exe
rpcsetup.exe
Installation and Deployment Factors: rpcsetup.exe
Registry Keys used to survive reboot: rpcsetup.exe
Name: HKEY_LOCAL_MACHINE\Software\Microsoft\Windows\CurrentVersion\RunServices
Description: This registry key area can be used to auto-boot malware.
Module: rpcsetup.exe
Process: rpcsetup.exe
Address: 0x00000000'0011A384
Name: HKEY_LOCAL_MACHINE\Software\Microsoft\Windows\CurrentVersion\RunServices
Description: This registry key area can be used to auto-boot malware.
Module: rpcsetup.exe
Process: rpcsetup.exe
Address: 0x00000000'0011A384

Extending Digital Investigations into Live Memory



Six Reasons You Need Responder Professional

1. Current detection isn't enough-New Malware breaking through undetected
2. Cybercrime is exploding-Companies are at risk
3. Malware has evolved over the last 30 years, new methods are required
4. Speeds containment, elimination and data protection
5. Physical RAM must be analyzed to verify system integrity
6. Easy to use

Types of information found in memory

Operating System Information

Running processes
Open files
Network connections and listening ports
Open registry keys per process
Interrupt Descriptor Table
System Service Descriptor Table

Application information

Passwords in clear text
Unencrypted data
Instant messenger chat sessions
Document data
Web based email
Outlook email

Malware Detection

Keystroke loggers
Rootkits
Trojans
Bots
Banking Trojans
Polymorphic

Malware Analysis Methodology & Workflow

1. Installation and Deployment Factors
2. Communication Factors
3. Information Security Factors
4. Defensive Factors
5. Development Factors
6. Command and Control Factors

Binary Analysis

1. Automatic Argument
2. Data flow labeling
3. Function databases for user and kernel mode API's
4. Strings and symbols
5. Offline dynamic analysis
6. Proximity browsing
7. Multi layer control flow graphing with xraf's

Report Types Supported

CVS, PDF, RTF, XLS, Word, TXT