IT INTRUSION – FinFisher Product Suite

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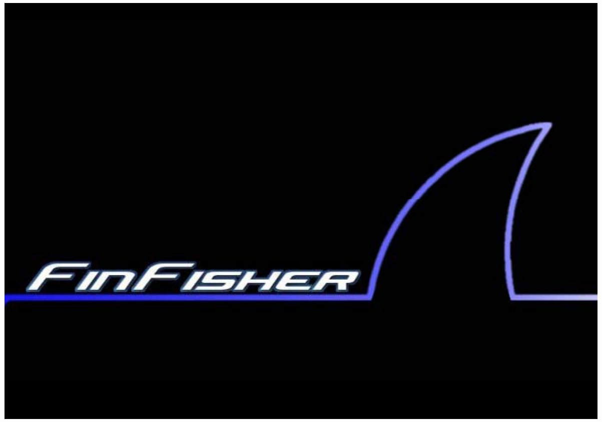
GERMAN SECURITY SOLUTIONS

Usage

- Information Gathering
- PC Surveillance
- Hacking
- Information Exploitation
- Information Interception



Components

- **FinFisher USB Suite**
- FinFisher Remote Hacking Kit
- FinSpy
- FinFly
- FinTraining
- FinAudit
- New Products - 2008

FinFisher USB Suite

- Suite to locally extract information from target systems with little or no user interaction
- Data analysis/Report generation at Head-quarters

Components

- **FinFisher USB Suite**
  - **FinFisher HQ**
  - FinFisher 1
  - FinFisher 2
  - FinFisher 3
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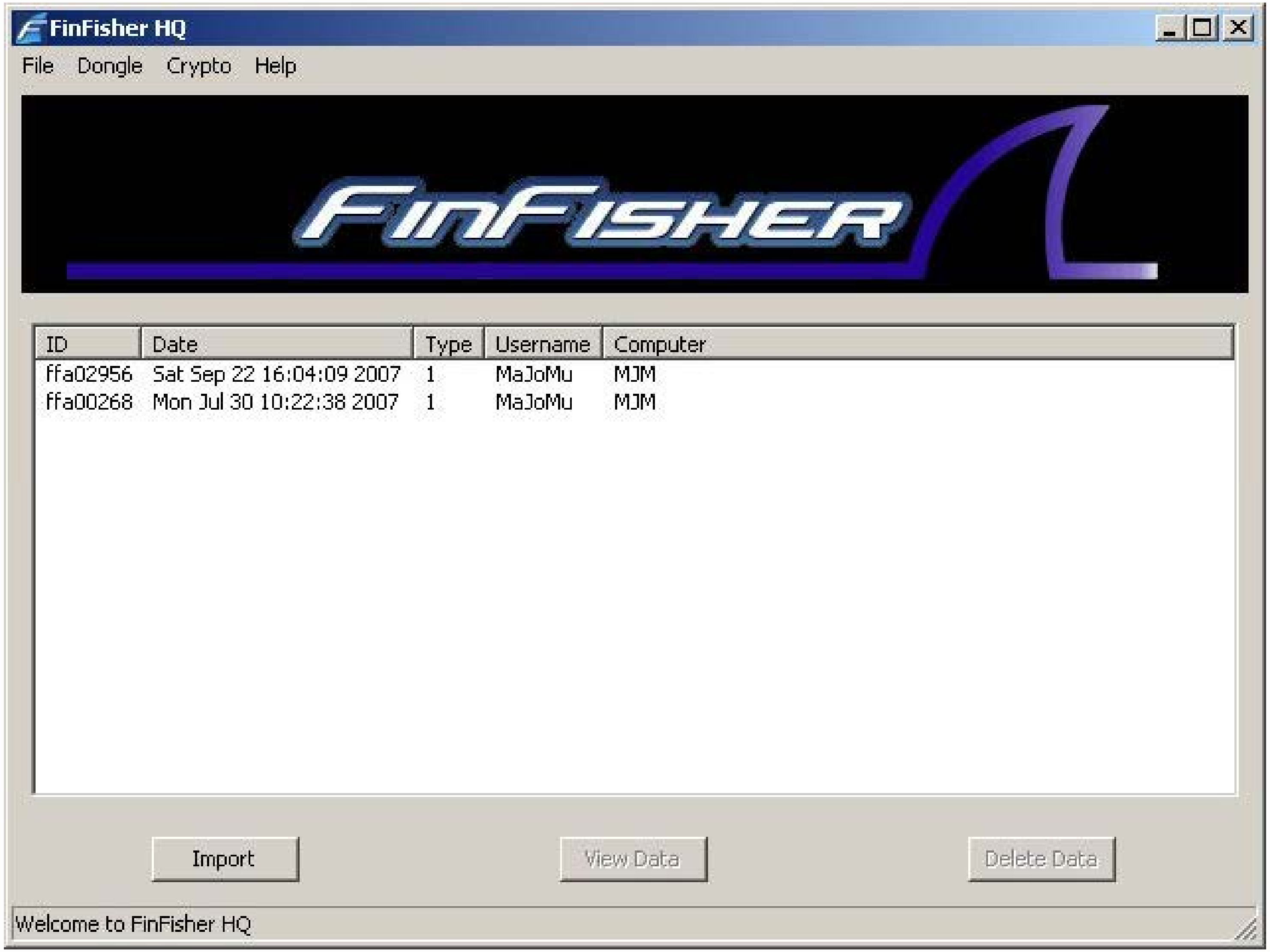
FinFisher HQ

- Graphical User Interface for FinFisher 1 and 2
- Used to configure operational options
- Generates certificates for encryption
- Deciphers and imports data from dongles
- Generates reports from gathered data
- Updates FinFisher 1 and 2 systems

FinFisher HQ



ID	Date	Type	Username	Computer
ffa02956	Sat Sep 22 16:04:09 2007	1	MaJoMu	MJM
ffa00268	Mon Jul 30 10:22:38 2007	1	MaJoMu	MJM

Welcome to FinFisher HQ

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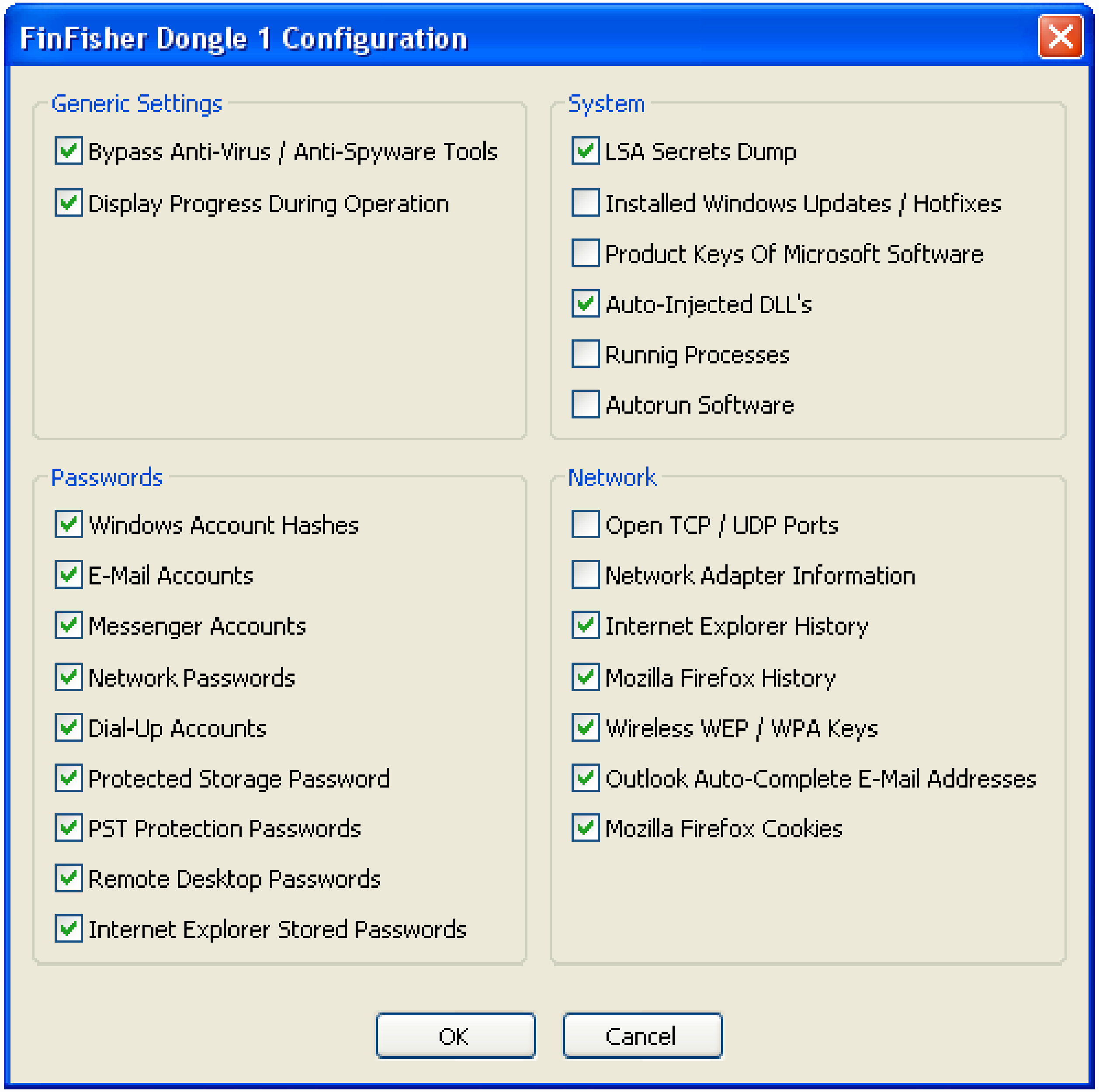
FinFisher 1

- U3 USB Dongle
- Executes on insertion with little or no user intervention
- Obtains system and account information for:
  - Windows Accounts
  - E-Mail Accounts (Microsoft Outlook / Express, …)
  - Instant Messenger Accounts (MSN, Yahoo, ICQ, …)
  - System Details (Product Keys, Hotfixes, …)
  - Network Information (Open Ports, Cookies, History, …)
- All gathered data is asymmetrically enciphered
- Bypasses installed Anti-Virus/Anti-Spyware software

FinFisher 1



FinFisher Dongle 1 Configuration

Generic Settings

- ☑ Bypass Anti-Virus / Anti-Spyware Tools
- ☑ Display Progress During Operation

System

- ☑ LSA Secrets Dump
- □ Installed Windows Updates / Hotfixes
- □ Product Keys Of Microsoft Software
- ☑ Auto-Injected DLL's
- □ Runnig Processes
- □ Autorun Software

Passwords

- ☑ Windows Account Hashes
- ☑ E-Mail Accounts
- ☑ Messenger Accounts
- ☑ Network Passwords
- ☑ Dial-Up Accounts
- ☑ Protected Storage Password
- ☑ PST Protection Passwords
- ☑ Remote Desktop Passwords
- ☑ Internet Explorer Stored Passwords

Network

- □ Open TCP / UDP Ports
- □ Network Adapter Information
- ☑ Internet Explorer History
- ☑ Mozilla Firefox History
- ☑ Wireless WEP / WPA Keys
- ☑ Outlook Auto-Complete E-Mail Addresses
- ☑ Mozilla Firefox Cookies

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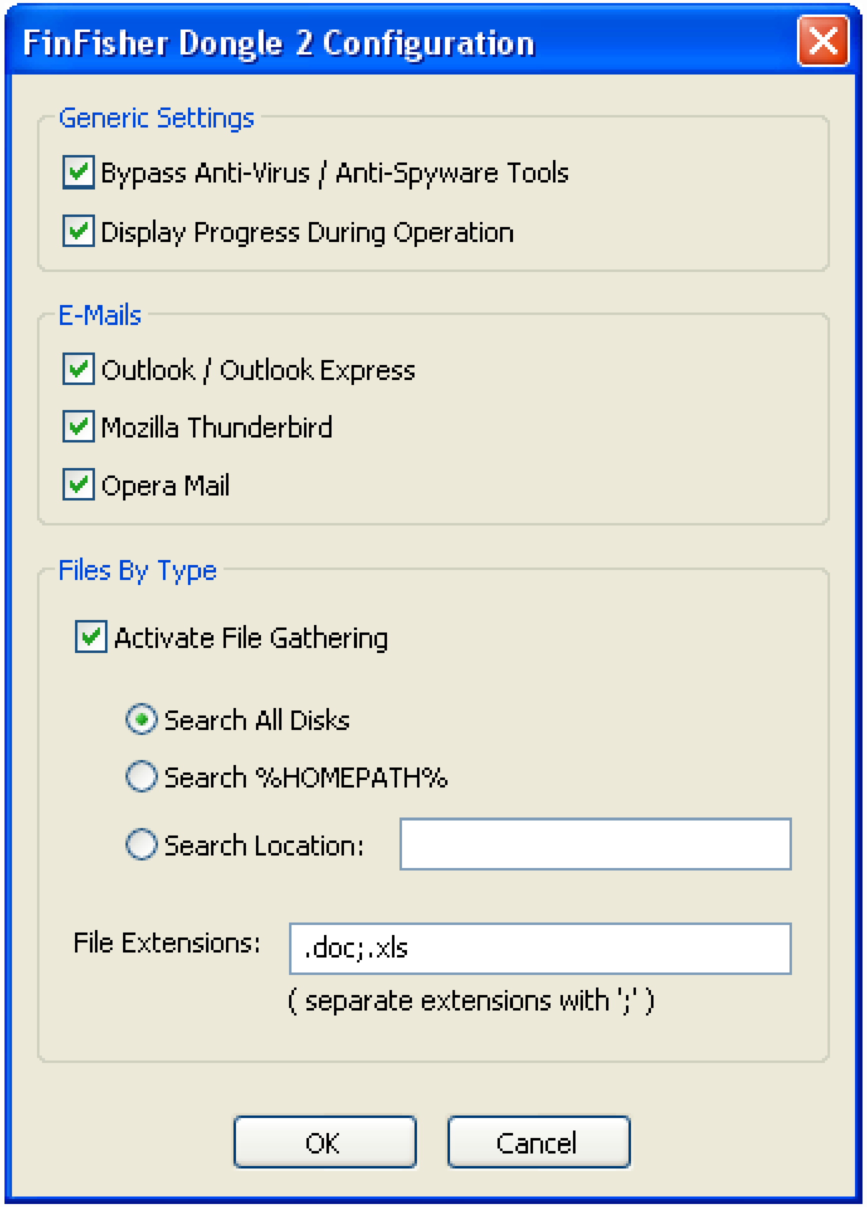
FinFisher 2

- U3 USB Dongle
- Executes on insertion with little or no user intervention
- Gets a copy of all locally stored E-Mails from the target system
- Obtains specific files by file-extension (e.g. all **.doc** and **.xls** files)
- All gathered data is asymmetrically enciphered
- Bypasses installed Anti-Virus/Anti-Spyware software

FinFisher 2



FinFisher Dongle 2 Configuration

Generic Settings

☑ Bypass Anti-Virus / Anti-Spyware Tools

☑ Display Progress During Operation

E-Mails

☑ Outlook / Outlook Express

☑ Mozilla Thunderbird

☑ Opera Mail

Files By Type

☑ Activate File Gathering

● Search All Disks

○ Search %HOMEPATH%

○ Search Location:

File Extensions: .doc;.xls

(separate extensions with ';')

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FinFisher 3

- 2 Bootable CD-Roms:

    1. Removes password for selected Windows user account

    2. Securely wipes local hard-disks

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FinFisher Remote Hacking Kit

- Used for remote information gathering
- Provides up-to-date hacking environment
- Can target public servers and personal computers

FinFisher Remote Hacking Kit

- Ruggedized notebook
- FinTrack operating system
- Various scripts for automating attack procedures
- All major up-to-date hacking tools

FinFisher Remote Hacking Kit

- High-power Wireless LAN adapter
- Bluetooth adapter with antenna plug
- Directional/Omni-directional antenna
- 500 GB USB disk containing Rainbow Tables, default password lists, etc.
- USB-to-Ethernet adapter
- PS/2 and USB Keylogger
- Other

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FinSpy

- Professional Trojan Horse
- Monitor and remotely access one or multiple systems
- Presence on target system is hidden
- All communication is hidden and enciphered
- Components:
  - FinSpy Client
  - FinSpy Server
  - FinSpy Target
  - FinSpy USB-U3 Dongle (Target)
  - FinSpy Antidote

FinSpy

- Features:
  - Custom Executables
  - Bypasses Anti-Virus/Anti-Spyware Software
  - Location Tracing
  - Scheduled Operations
  - Key Logging
  - Password Gathering
  - Webcam/Microphone Access
  - Communication Sniffing:
    - Skype
    - Instant Messengers (ICQ, Yahoo, …)
  - Other

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FinFly

- Used to infect executables while downloading
- Components:
  - Transparent HTTP Proxy
  - EXE Loader
- Proxy attaches Trojan Horse software to downloaded executables on-the-fly
- Loader removes attached software from downloaded executable after installation
- Can be used on local networks (e.g. Wireless LANs)
- ISP Version to come in 2008

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FinTraining: Basic Hacking Courses

- 1 or 2 week basic hacking overview
- Covers various common hacking techniques
- Practical examples, demonstrations and exercises
- Topics include:
  - Footprinting/Scanning/Enumeration
  - Networks
  - Exploits
  - Wireless LANs
  - Bluetooth
  - Other

FinTraining Advanced: Exploiting Software

- 1 week course
- Covers bugs in software and exploiting these
- Practical examples, demonstrations and exercises
- Topics include:
  - Software Bugs
  - Exploit Archives/Frameworks
  - Shellcode
  - Finding Bugs
  - Customizing Exploits
  - Other

FinTraining Advanced: Rootkits

- 1 week course
- Covers RootKit and Trojan horse techniques
- Practical examples, demonstrations and exercises
- Topics include:
  - Analysis
  - Usage
  - Detection
  - Development
  - Other

FinTraining Advanced: Hacking VoIP

- 1 week course
- Covers Voice-over-IP eavesdropping and various attack techniques
- Practical examples, demonstrations and exercises
- Topics include:
  - RTP Sniffing
  - RTP Insertion
  - SIP Account Brute-Forcing
  - SIP Account Cracking
  - Other

FinTraining Advanced: Wireless Hacking

- 1 week course
- Covers Wireless LANs, Bluetooth and Wireless Keyboards
- Practical examples, demonstrations and exercises
- Topics include:
  - Wireless LAN WEP/WPA Cracking
  - Bluetooth Link-Key Cracking
  - Wireless Keyboard Sniffing
  - Other

FinTraining Advanced: Covert Comms

- 1 week course
- Covers steganography, encryption, network and application protocols
- Practical examples, demonstrations and exercises
- Topics include:
  - Hiding data in objects
  - Hiding data in streams
  - Hiding VoIP communication
  - Other

FinTraining Advanced: More

- More topics upon request
- Courses are customized according to customers needs and skill-set

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- FinTraining
- **FinAudit**
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FinAudit

- 1 or 2 week penetration test
- Security check of networks, systems and software
- Helps analyzing various attack vectors and finding vulnerabilities
- Prevents data disclosure and intrusion
- Finalizing report and consulting services

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- **New Products - 2008**

News 2008: FinFly ISP

- FinFly that is capable of working in ISP networks
- Can infect en-masse or targeted systems
- Ready: Mid/End of 2008

News 2008: FinCrack

- Super-Cluster to crack Passwords/Hashes
- Size and Speed customized to requirements
- Supports:
  - Microsoft Office Documents
  - NTLM/LM
  - WPA Networks
  - Unix DES
  - WinZIP
  - PDF
- Other modules can be provided upon request
- Ready: Mid/End of 2008

News 2008: FinWifiKeySpy

- Wireless Keyboard Sniffer
- Sniffs all keystrokes of wireless keyboard within antenna range
- Able to inject keystrokes to remote computers
- Supports all major vendors (Microsoft, Logitech)
- Ready: End of 2008

News 2008: FinBluez

- Product for various Bluetooth attacks, e.g.:
  - Utilize Bluetooth headsets as audio bugs
  - Record audio stream between headset and mobile phone
- Ready: End of 2008