# CVE Detail – CVE-2003-1233

Pedestal Software Integrity Protection Driver (IPD) 1.3 and earlier allows privileged attackers, such as rootkits, to bypass file access restrictions to the Windows kernel by using the NtCreateSymbolicLinkObject function to create a symbolic link to (1) \Device\PhysicalMemory or (2) to a drive letter using the subst command.

## Threat-Mapped Scoring

Score: 1.8

Priority: P4 - Informational (Low)

## EPSS

EPSS Score: N/A

Percentile: 0.36398

## CVSS Scoring

CVSS v3.1 Score: 9.8

Severity: CRITICAL

## Mapped CWE(s)

* CWE-59: Improper Link Resolution Before File Access ('Link Following')

## CAPEC(s)

* CAPEC-132: Symlink Attack
* CAPEC-17: Using Malicious Files
* CAPEC-35: Leverage Executable Code in Non-Executable Files
* CAPEC-76: Manipulating Web Input to File System Calls

## ATT&CK Techniques

* T1027.009: Embedded Payloads
* T1547.009: Shortcut Modification
* T1574.005: Executable Installer File Permissions Weakness
* T1574.010: Services File Permissions Weakness
* T1564.009: Resource Forking
* T1027.006: HTML Smuggling

## Used By (Actors/Tools)

* Pikabot (malware)
* RedLeaves (malware)
* macOS.OSAMiner (malware)
* EnvyScout (malware)
* SslMM (malware)
* Emotet (malware)
* DUSTTRAP (malware)
* BADHATCH (malware)
* DUSTPAN (malware)
* Moneybird (malware)
* InvisiMole (malware)
* Keydnap (malware)
* Okrum (malware)
* IcedID (malware)
* MarkiRAT (malware)
* Kazuar (malware)
* CHIMNEYSWEEP (malware)
* BlackEnergy (malware)
* Reaver (malware)
* MultiLayer Wiper (malware)
* S-Type (malware)
* SeaDuke (malware)
* Netwalker (malware)
* Gazer (malware)
* SMOKEDHAM (malware)
* Uroburos (malware)
* KONNI (malware)
* SPACESHIP (malware)
* Micropsia (malware)
* RogueRobin (malware)
* Grandoreiro (malware)
* Bazar (malware)
* SHIPSHAPE (malware)
* TinyZBot (malware)
* DEADEYE (malware)
* FELIXROOT (malware)
* ComRAT (malware)
* Astaroth (malware)
* QakBot (malware)
* Helminth (malware)
* OSX/Shlayer (malware)
* DEADWOOD (malware)
* Comnie (malware)
* Dtrack (malware)
* BACKSPACE (malware)
* Empire (tool)
* Invoke-PSImage (tool)
* Lazarus Group (intrusion-set)
* TA577 (intrusion-set)
* APT29 (intrusion-set)
* APT39 (intrusion-set)
* Leviathan (intrusion-set)
* Gorgon Group (intrusion-set)
* C0021 (campaign)
* Moonstone Sleet (intrusion-set)

## Affected Products

* cpe:2.3:a:pedestalsoftware:integrity\_protection\_driver:\*:\*:\*:\*:\*:\*:\*:\*