# CVE Detail – CVE-2008-0087

The DNS client in Microsoft Windows 2000 SP4, XP SP2, Server 2003 SP1 and SP2, and Vista uses predictable DNS transaction IDs, which allows remote attackers to spoof DNS responses.

## Threat-Mapped Scoring

Score: 0.0

Priority: Unclassified

## EPSS

EPSS Score: N/A

Percentile: 0.98108

## CVSS Scoring

CVSS v3.1 Score: 7.5

Severity: HIGH

## Mapped CWE(s)

* CWE-330: Use of Insufficiently Random Values

## CAPEC(s)

* CAPEC-112: Brute Force
* CAPEC-485: Signature Spoofing by Key Recreation
* CAPEC-59: Session Credential Falsification through Prediction

## ATT&CK Techniques

* T1552.004: Private Keys
* T1110: Brute Force

## Used By (Actors/Tools)

* Machete (malware)
* Mafalda (malware)
* Hildegard (malware)
* Chaos (malware)
* FoggyWeb (malware)
* Caterpillar WebShell (malware)
* Pysa (malware)
* Troll Stealer (malware)
* Ebury (malware)
* Kinsing (malware)
* QakBot (malware)
* jRAT (malware)
* AADInternals (tool)
* Empire (tool)
* PoshC2 (tool)
* Mimikatz (tool)
* CrackMapExec (tool)
* Operation Wocao (campaign)
* Dragonfly (intrusion-set)
* OilRig (intrusion-set)
* Fox Kitten (intrusion-set)
* SolarWinds Compromise (campaign)
* Turla (intrusion-set)
* Ember Bear (intrusion-set)
* TeamTNT (intrusion-set)
* APT28 (intrusion-set)
* HEXANE (intrusion-set)
* Volt Typhoon (intrusion-set)
* 2016 Ukraine Electric Power Attack (campaign)
* APT39 (intrusion-set)
* APT38 (intrusion-set)
* Operation Dream Job (campaign)
* DarkVishnya (intrusion-set)
* APT41 (intrusion-set)
* Rocke (intrusion-set)
* Scattered Spider (intrusion-set)
* Agrius (intrusion-set)
* FIN5 (intrusion-set)

## Affected Products

* cpe:2.3:o:microsoft:windows\_2000:-:sp4:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:microsoft:windows\_server\_2003:-:sp1:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:microsoft:windows\_server\_2003:-:sp2:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:microsoft:windows\_vista:-:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:microsoft:windows\_xp:-:-:\*:\*:professional:\*:x64:\*
* cpe:2.3:o:microsoft:windows\_xp:-:sp2:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:microsoft:windows\_xp:-:sp2:\*:\*:professional:\*:x64:\*