

# Do they DDoS via Memcached?

## What

To what extent is the Memcached protocol still abused for DDoS amplification in the post-patch era, and which tactics, techniques, and procedures characterise the adversaries that engage with it?

## Why

Memcached is widely considered patched. Used to have ~51,000x amplification in 2018. This patch applies only to newly deployed services set to default config

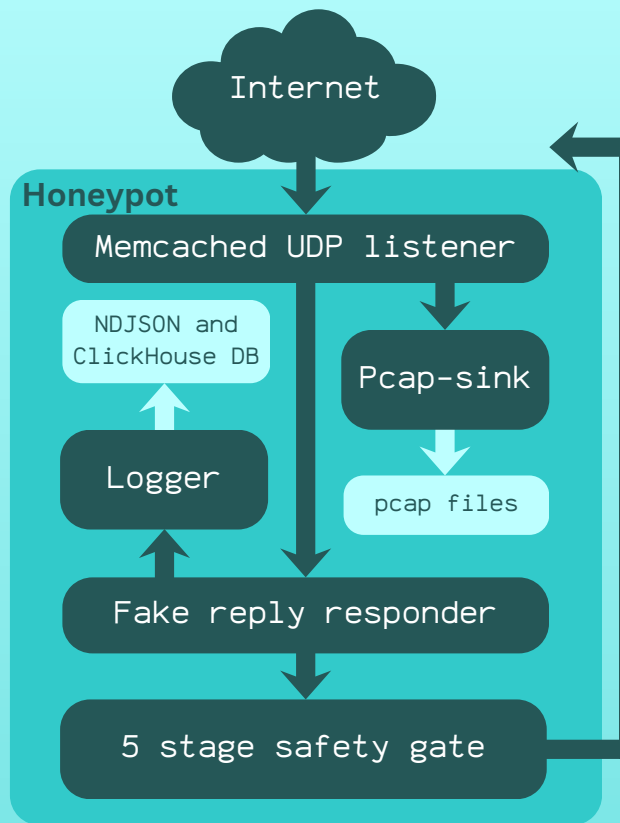
Could the legacy and manually configured systems be vulnerable? Let's find out!

## How

Create a series of honeypot IP addresses hosted on a virtual machine (VM) that will offer misconfigured Memcached services for attackers to attempt exploiting

Rate-limit outgoing traffic to prevent contributing to actual DDoS attacks

Collect data on interactions with attackers



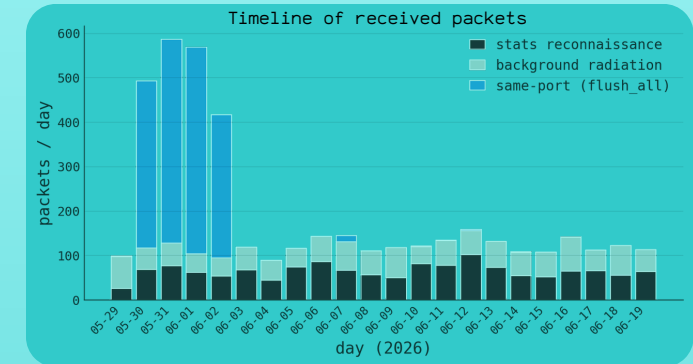
## Observations

Traffic is dominated by stats command

Small sub-population using id 1 in 8-byte UDP header (2018 Memcrashed PoC)

No set/store commands → precondition for high amplification never met

Only abuse-related traffic: 4-day same port flush\_all burst



## Traffic overview

2026-05-29 → 06-19

Traffic		Protocol	
Total events	4,261	Text	3,224 (76%)
Distinct sources	465	Non-protocol	1,037 (24%)
Honeypot IPs	16	Binary	0 (0%)
Replies sent	1,570	<b>Dropped</b>	
Bytes egressed	277 KiB	Same-port	1,646
Peak rate	26 pps	No-reply	1,027
		Silent mode	18
		Rate cap	0

## Takeaways

Attacker behaviour stops at scan + test

Execute phase never materialised against our fresh, unpopulated amplifier

Limitations: short window, single vantage point, and a small stats bait (~13x compared to ~51,000x in 2018)

Absence of execute ≠ proof it has stopped

Memcached today is a catalogued but dormant amplifier