

DNS based DDoS mitigation solution

Progress

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Overlapping

- ① If there is an overlapping period, then corresponds to Case 1 because handshaking accepts
- ② Local DNS updates puzzle information only when Aborted (Case 2)
- ③ If there is an overlapping period, the puzzle is not updated in the current diagram

⇒ Delete overlapping period!

Review

- Delete overlapping period
- Move wrapper process to application level
- ~~Use IP header instead of TCP header~~

Progress

Still modifying kernel...

- Modified linux kernel for TCP handshaking
⇒ Now, finish parsing TCP options
- Define wrapper process at application level
⇒ (UDP +) TCP + UDP + TCP at app. level