Suricata - Feature #2281

tcp stream: simpler IDS handling of overlap evasions

11/20/2017 09:56 AM - Victor Julien

Status: Assigned
Priority: Normal
Assignee: Victor Julien
Category: TBD
Target version: TBD
Effort:
Difficulty:

Description
Currently we act only on 'ACKed' data so we can use target based reassembly to prevent evasions. This leads to 2 issues:

1. detection/logging always a bit delayed, which is worse in case of sudden flow cut offs. Then handling waits for flow timeout.
2. nobody ever sets the OS/ip mapping.

The idea of this ticket is to act on non-ACK'd data right away, and simply issue a warning (event) if data is different.

Related issues:
Related to Task #2309: SuriCon 2017 brainstorm
Related to Task #3288: Suricon 2019 brainstorm

History

#1 - 12/01/2017 05:02 AM - Victor Julien
  - Related to Task #2309: SuriCon 2017 brainstorm added

#2 - 11/05/2019 03:07 PM - Victor Julien
  This mode of operation would look quite a bit like the inline mode for app-layer. For detection it would be a bit more involved.

#3 - 11/05/2019 03:07 PM - Victor Julien
  - Related to Task #3288: Suricon 2019 brainstorm added