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Closed Issue created 1 year ago by 
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Heap-buffer-overflow in dissect_bthci_iso at packet-bthci_iso.c

Summary

In Wireshark-3.5.1rc0, the bthci_iso dissector could crash with a heap-based buffer overflow. This issue also exists in the latest version v3.7.0rc0.

Steps to reproduce

The location of the bug in the code. At line 410 in file packet-bthcl_iso.c, the fourth parameter 1en of tvb_mencpy is read from the data packet without length check. The heap size of the copy target _mfp->reassembled + mfp->cur_off can be controlled.

The bug requires the construction of two data packets. When pb_flag == ΘxΘΘ, insert the data of the first fragment by calling wmem_tree_insert32(chandle_data->start_fragments, pinfo->num, mfp);

- Then, the size mfp->tot_len of the heap object mfp->reassembled can be controlled.
- Finally, the bug is triggered by the second packet when pb_flag & 0x01 at line 410.

What is the current bug behavior?

The bug can cause out-of-bounds memory reads and writes.

Relevant logs and/or screenshots

The Crash State with ASAN

To upload designs, you'll need to enable LFS and have an admin enable hashed storage. More information

Tasks ② 0

No tasks are currently assigned. Use tasks to break down this issue into smaller parts.

Linked items ② 0

Link issues together to show that they're related or that one is blocking others. Learn more.

Related merge requests \$\frac{1}{3}\]

\$\frac{8}{3}\]

BTHCLISO: Don't overrun our reassembly buffer.

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When these merge requests are accepted, this issue will be closed automatically.

Activity



