```
Closed Issue created 1 year ago by 
Doneing
```

Heap-buffer-overflow in reassemble_continuation_state at packet-btsdp.c

Summary

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

Steps to reproduce

In line 1727, the third parameter tid_request->continuation_state_length of memcpy is read from the data packet without length check.

The bug requires the construction of two data packets, a request data packet and a response data packet.

```
gchar (continuation state buffer;
guint@ (continuation state buffer)
formation_state_ingth = twb_get_unit@(tvb, offset);
forminution_state_ingth = twb_get_unit@(tvb, offset);
forminution_state_buffer = twb_bytes_to_str(unem_file_scope(), tvb, offset, continuation_state_length);
forminution_state_length;
```

• First, the request packet inserts the object tid_request into the global object tid_requests. The field tid_request>continuation_state_length is read from the packet by continuation_state_length = tvb_get_guint8(tvb, offset)

Second, the response packet obtains the object tid_request by wmem_tree_lookup32_array_le(tid_requests, key). When the value of
variable tid request->continuation state length is greater than 20. a heap overflow is caused.

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:

```
Address and the control of the contr
```

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

Tasks © 0

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

Linked items. D 0

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

Related merge requests \$\frac{1}{2} 4\$

** BT SDP_Don't overnun our continuation state buffer.

18404

** BT SDP_Don't overnun our continuation state buffer.

18445

** BT SDP_Don't overnun our continuation state buffer.

1845

** BT SDP_Don't overnun our continuation state buffer.

1845

** BT SDP_Don't overnun our continuation state buffer.

1845

** BT SDP_Don't overnun our continuation state buffer.

1845

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

Activity

