Freeciv - Bug #746878
Decoding error

2018-04-13 03:01 PM - Marko Lindqvist

Status: Closed
Priority: Normal
Assignee: Marko Lindqvist
Category: General
Sprint/Milestone: 2.5.12

Description


Both the server and client remains operational, but the connection between them gets closed because of decoding error in client end.

History

#1 - 2018-04-13 03:18 PM - Marko Lindqvist
- Category set to General
- Status changed from New to In Progress
- Sprint/Milestone set to 2.5.12

uncompress() returns Z_BUF_ERR. It seems the buffer size for uncompressed output is too small. We currently set it to 100*compressed size before uncompression.

#2 - 2018-04-13 03:26 PM - Marko Lindqvist
- File 0001-Make-uncompressed-buffer-size-150-x-compressed-size.patch added
- Status changed from In Progress to Resolved

Fix attached

#3 - 2018-04-13 05:32 PM - Máximo Castañeda

Idle talking as the bug is fixed and I'm not up to writing a patch, but how about starting with a less extreme case that works most times and checking Z_BUF_ERROR to try again with a bigger buffer when there's not enough space? Would that complicate the code too much or be highly inefficient?

#4 - 2018-04-14 08:06 AM - Marko Lindqvist

Máximo Castañeda wrote:

how about starting with a less extreme case that works most times and checking Z_BUF_ERROR to try again with a bigger buffer when there's not enough space? Would that complicate the code too much or be highly inefficient?

That would be ideal, mainly because just increasing the max factor to 150 leaves us open to a possibility that it's still not enough for even better compressing sequence in the future. However, that does require someone to implement it, so I've planned to just open a new ticket about the rewrite and fix the current issue with the simple solution. I don't see urgency in getting the better implementation done as factor '100' has served us decades with just this one now reported case of failure.

#5 - 2018-04-17 03:31 AM - Marko Lindqvist

Marko Lindqvist wrote:

just open a new ticket about the rewrite

-> Feature #747319

#6 - 2018-04-17 03:33 AM - Marko Lindqvist

- Status changed from Resolved to Closed
- Assignee set to Marko Lindqvist
<table>
<thead>
<tr>
<th>File Name</th>
<th>Size</th>
<th>Date</th>
<th>User</th>
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<tbody>
<tr>
<td>bugfs.sav</td>
<td>885 KB</td>
<td>2018-04-13</td>
<td>Marko Lindqvist</td>
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<td>0001-Make-uncompressed-buffer-size-150-x-compressed-size.patch</td>
<td>1.27 KB</td>
<td>2018-04-13</td>
<td>Marko Lindqvist</td>
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