
Duplicate cash transactions

- **Product:** Aleph
 - **Product Version:** 20, 21, 22, 23
 - **Relevant for Installation Type:** Dedicated-Direct, Direct, Local, Total Care
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Problem:

In certain cases duplicate cash transactions appear on the patron's card.

Cause:

Uncertain, but seems to be connected to the Renew All function, that is, cases where the patron or operator clicks "Renew All" a second time before a first click has been completely processed. (As noted below, partial payments or partial waives create duplicate transactions but the system accounts for these properly in the amounts.)

Resolution/workaround:

See "Additional Information" below for SQL to locate such transactions.

The following is a workaround to avoid the problem of double cash transactions from OPAC renewals.

Add the following change to html page \$alephe_root/www_f_lng/bor-include-4 in order to prevent double click on the 'Renew All' link:

```
<td class="bar" align="center" nowrap>
<a href="javascript:replacePage('&server_f?func=bor-renew-
all&adm_library=$5000&token_id=$9900');"
id='renewall'
onclick='document.getElementById(this.id).removeAttribute("href");'
title="Renew All" class="blue">
Renew All </a>
</td>
```

This [bor-include-4.txt](#) file shows the specific location of the above part within the file.

Additional Information

The following SQL can be used to locate such cases (*-- excluding the cases of partial payments and partial waivers, indicated by a non-null Z31_RELATED_Z31_KEY_TYPE value--*):

```
SQL> select z31_key from z31 where Z31_RELATED_Z31_KEY_TYPE is null and  
z31_type = '03' group by z31_key having count(*) > 1 order by substr  
(z31_key, 52, 8);
```

*{-- there should be no cases of z31 type '03' fields with exactly the same z31_key (that is, the same item, same loan number, and same returned time) -- with the exception of partial payments or partial waivers. The article [Structure of Z31-KEY field \[*byte by byte*\]](#) shows the elements of this field.}*

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