Subject: _cm_post_getData
Posted by interop on Fri, 14 Sep 2007 16:40:53 GMT
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This may be a bug but I'm not sure so I'll put it here.

The _cm_post_getData is not getting called sometimes. I think it is only in classes which do not directly inherit from Default_table. i.e., dict_table_s02.

It appears as though getEntryPoint() may be the cause. On line 1053 of std.table.class.inc getEntryPoint() returns null and prevents the call to _cm_post_getData.

This prevents dict_table_s02 from writing my dictionary files when exporting tables to php.

Can you reproduce this problem?

version 1.28.0, php5, mysql5

Subject: Re: _cm_post_getData
Posted by AJM on Fri, 14 Sep 2007 17:34:14 GMT
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Very strange. I have just tried this with PHP 5.2.4 and MySQL 5.0.45 on Windows XP without any problems. It also works with PHP 4.4.7 and MySQL 4.1.22

Can you step through getEntryPoint() to see where it is going wrong? It is supposed to step backwards through debug_backtrace() to find the first method used to access the current class.

Subject: Re: _cm_post_getData
Posted by interop on Fri, 14 Sep 2007 18:45:05 GMT
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If it matters I'm using linux OS

Here are the values I get while in getEntryPoint() during the "export table to php" procedure

$classname = 'dict_table_s02'
$parentclass = 'dict_table'

$array[0]['file'] = '...std.table.class.inc'
$array[0]['function'] = 'getEntryPoint'
$array[0]['class'] is not set
$array[0]['type'] is not set

$array[1]['file'] = '...std.update4.inc'

$array[1]['function'] = 'getData'
$array[1]['class'] = 'Default_Table'
$array[1]['type'] = '->'

$array[2]['file'] = '...table_export.php'
$array[2]['function'] = 'require_once'
$array[2]['class'] is not set
$array[2]['type'] is not set

'type' is only set for $array[1] so this is the only entry that gets checked and $array[1]['class'] doesn't match $classname or $parentclass so $method never gets set.

I verified that I did upgrade include.general.inc to version 1.28.0 but here's getEntryPoint() in case:

```
function getEntryPoint ($object)
// get the name of the first method that was used to access the specified object.
{
    if (is_object($object)) {
        // get class name for the current object
        $classname   = get_class($object);
        $parentclass = get_parent_class($object);
    } else {
        // assume input is a string
        $classname   = $object;
        $parentclass = '';
    } // if

    $method = null;                 // initialise
    $array  = debug_backtrace();    // get trace data

    // start at the end of the array and move backwards
    for ($i = count($array)-1; $i >= 0; $i--) {
        // is this entry for a method call?
        if (isset($array[$i]['type'])) {
            if ($array[$i]['class'] == $classname) {
                $method = $array[$i]['function'];
                break;
            } // if
            if ($array[$i]['class'] == $parentclass) {
                $method = $array[$i]['function'];
                break;
            } // if
            if (isset($array[$i]['object'])) {
                if (is_a($array[$i]['object'], $classname)) {
                    $method = $array[$i]['function'];
                    break;
                } // if
                if (is_a($array[$i]['object'], $parentclass)) {
```

```
                $method = $array[$i]['function'];
                break;
            } // if
        } // if
//      if ($array[$i]['class'] != 'Default_Table') {
//          if (is_subclass_of($object, $array[$i]['class'])) {
//              $method = $array[$i]['function'];
//                break;
//          } // if
//      } // if
    } // if
  } // for

  return $method;

} // getEntryPoint
```

Subject: Re: _cm_post_getData
Posted by AJM on Fri, 14 Sep 2007 20:26:57 GMT
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The problem lies in the line

$array[1]['class'] = 'Default_Table'

This should be reporting 'dict_table_s02' instead, which is the name of the current class.

'dict_table_s02' extends 'dict_table' which extends 'Default_Table'.

It is 'dict_table_s02' which is being accessed from 'std.update4.inc', so neither 'dict_table' nor 'Default_Table' should appear in this array at all.

Which version of PHP are you running? Are you using Zend Accelerator?

Subject: Re: _cm_post_getData
Posted by AJM on Fri, 14 Sep 2007 20:56:21 GMT
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If you are running PHP5 can you do 'print_r($array)' just after the call to debug_backtrace. There should be an entry which reads
[object] => dict_table_s02 Object

This should then be detected with the lines

```
if (is_a($array[$i]['object'], $classname)) {
    $method = $array[$i]['function'];
    break;
} // if
```

Subject: Re: _cm_post_getData
Posted by interop on Mon, 17 Sep 2007 19:19:42 GMT
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I'm running php 5.1.1 and the Zend Optimizer.

With zend optimizer installed I don't get the 'object' entry. When I uninstall the zend optimizer everything works fine.

thanks

Subject: Re: _cm_post_getData
Posted by AJM on Mon, 17 Sep 2007 21:03:27 GMT
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This is not the furst time that the Zend Optimiser has been the cause of an obscure problem. If you were running the latest version I suggest you report this to Zend as a bug.
