Ruby master - Bug #3723

Remove unused control frame variable: rb_control_frame_t.block_iseq

08/20/2010 10:25 AM - pweldon (Peter Weldon)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Rejected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>ko1 (Koichi Sasada)</td>
</tr>
<tr>
<td>Target version:</td>
<td>2.0.0</td>
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<tr>
<td>Backport:</td>
<td></td>
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</tbody>
</table>

**Description**

=begin
rb_control_frame_t.block_iseq does not appear to serve any purpose and can possibly be removed.
=end

**Related issues:**

Related to Backport192 - Backport #3712: SEGV fails to produce stack dump / b...

**History**

#1 - 08/20/2010 02:09 PM - naruse (Yui NARUSE)
- Status changed from Open to Assigned
- Assignee set to ko1 (Koichi Sasada)

=begin
As you said, it seems useless variable.
But if block_iseq of rb_control_frame_t is simply removed, it breaks ABI compatibility.
I assign this to ko1.
=end

#2 - 08/20/2010 06:39 PM - naruse (Yui NARUSE)
- Status changed from Assigned to Rejected

=begin
I talked this with ko1.
It is used from rb_block_t.iseq, so it can't be removed.
=end

#3 - 08/21/2010 02:45 AM - pweldon (Peter Weldon)

=begin
I apologise, I did not understand the connection between rb_control_frame_t and rb_block_t. I see now that these macros are used to access rb_control_frame_t members via a rb_block_t:

vm_core.h:
#define RUBY_VM_GET_BLOCK_PTR_IN_CFP(cfp) ((rb_block_t *)(&(cfp)->self))
#define RUBY_VM_GET_CFP_FROM_BLOCK_PTR(b) (((rb_control_frame_t *)((VALUE *)(b) - 5))

The rb_control_frame_t comments in vm_core.h now also make sense to me. Thank you for helping me understand.
=end