

## openQA improvement - action #374

### Improve openCV matching

2013-04-30 14:04 - aplanas

<b>Status:</b>	Closed	<b>Start date:</b>	2013-04-30
<b>Priority:</b>	Normal	<b>Due date:</b>	2013-05-02
<b>Assignee:</b>	aplanas	<b>% Done:</b>	100%
<b>Category:</b>	Development	<b>Estimated time:</b>	8.00 hours
<b>Target version:</b>	T03B. Merge openQA changes to upstream		

#### Description

The actual matching algorithm can find a pattern inside an image, but when the art, widget or text change a bit, the matching ratio drop below the matching threshold.

We can investigate if reducing the amount of information of an image (via binarize or gauss filter) allow better matching ratio.

#### History

##### #1 - 2013-04-30 17:47 - aplanas

- % Done changed from 0 to 90

- Status changed from New to In Progress

Improve matching performance from 0.78 to 0.95 using Gauss and gray images, and to 0.98 using blur with 7x7 kernel. I propose using the Gauss 5x5 one, is a bit lower matching ration for the test image, but is better for full different images: if I use blur w/ 7x7 kernel, different images become more similar faster, and that is bad for checkneedle().

##### #2 - 2013-05-03 11:22 - aplanas

- Status changed from In Progress to Closed

##### #3 - 2013-05-08 17:44 - aplanas

- % Done changed from 90 to 100