

## openQA Project - action #69637

### Faster localhost uploads from worker to webui

2020-08-06 10:30 - kraith

<b>Status:</b>	Resolved	<b>Start date:</b>	2020-08-06
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	kraith	<b>% Done:</b>	0%
<b>Category:</b>	Feature requests	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Ready		
<b>Difficulty:</b>	hard		

#### Description

### Motivation

The chunked asset uploader we use to move assets from workers to the webui is extremely inefficient. This is especially noticeable when worker and webui are running on the same host and very large assets have to be uploaded. This has been a big problem with SUSE Manager for Retail tests, to the point where an optimization could save multiple hours per day.

A similar problem has been reported by "marmarek" in [#opensuse-factory](irc://chat.freenode.net/opensuse-factory)

### Acceptance criteria

- **AC1:** Asset upload on "localhost" (worker and webui on same machine) is significantly faster, e.g. ask marmarek for verification in his environment
- **AC2:** Asset upload on non-localhost workers still use remote upload methods with no significant performance degradation

### Suggestions

- Try to add a "secondary code path" to just move files between local folders (regardless if same or differing filesystem) on the same machine instead of uploading them completely via HTTP

#### History

##### #1 - 2020-08-06 10:32 - kraith

- Assignee set to kraith
- Target version set to Ready
- Difficulty set to hard

I have looked a bit at the code and i think we can add a secondary code path to move files on the file system instead of actually uploading them via HTTP.

##### #2 - 2020-08-06 11:10 - okurz

- Tags set to upload, worker

##### #3 - 2020-08-06 11:52 - okurz

- Subject changed from *Slow localhost uploads from worker to webui* to *Faster localhost uploads from worker to webui*
- Description updated
- Status changed from *New* to *Workable*

hi, thanks for the ticket. I made it "Workable" and focussed on what you wrote in the subject about "localhost uploads", not a generic performance improvement which we might have as a side-effect but it should not be the focus here. Any necessary refactoring to have the code in a clean state and better testable is of course included.

##### #4 - 2020-08-27 08:12 - cdywan

- Status changed from *Workable* to *Feedback*

The PR was merged: <https://github.com/os-autoinst/openQA/pull/3325>

**#5 - 2020-08-27 14:40 - mkittler**

- Status changed from *Feedback* to *Resolved*

We've also already got feedback within the PR comments so I'm marking the issue as resolved. Waiting whether it works on the main production instances is not useful for this feature anyways.

**#6 - 2020-09-02 12:47 - okurz**

- Status changed from *Resolved* to *Feedback*

but the PR nicely explains that the config option could be turned into a new default. As there was good success reported but no problems I suggest we change to local upload by default with the option to disable which we might even want to use in the full stack tests.

**#7 - 2020-10-02 11:11 - kraih**

Agreed, reversing the option and enabling the feature by default for localhost uploads does make sense. All feedback i got so far has been very positive.

**#8 - 2020-10-02 11:16 - okurz**

- Status changed from *Feedback* to *Workable*

alright, plan to do that? If not, please create a new ticket for that and set the status here back to "Resolved".

**#9 - 2020-10-06 15:41 - kraih**

- Status changed from *Workable* to *In Progress*

Sure, i don't mind doing it.

**#10 - 2020-10-09 15:02 - kraih**

Pull request has been opened. <https://github.com/os-autoinst/openQA/pull/3458>

**#11 - 2020-10-09 17:47 - okurz**

- Status changed from *In Progress* to *Resolved*

PR merged. As the feature was confirmed working by others already in the past I regard this as "Resolved". I assume you haven't plan for other tasks in this ticket. Thanks for your work.