

## openQA Project - action #5830

### Get rid of wait\_idle to improve performance on !qemu

2015-01-11 11:09 - coolo

<b>Status:</b>	Resolved	<b>Start date:</b>	2015-01-11
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	okurz	<b>% Done:</b>	0%
<b>Category:</b>	Feature requests	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Difficulty:</b>			
<b>Description</b>			
We need to research if the IPMI sensors give us good enough informations on how busy the machine is - otherwise a sleep needs to be enough. But even that requires refactoring as the wait_idle is not implemented in the backend - I think it should.			
<b>Related issues:</b>			
Related to openQA Tests - action #21048: [qam] test fails in tracker_search_i...		<b>Resolved</b>	<b>2017-08-03</b>
Has duplicate openQA Project - action #14410: Implement performance monitorin...		<b>Rejected</b>	<b>2016-10-25</b>

### History

#### #1 - 2016-01-20 10:26 - RBrownSUSE

- Priority changed from Normal to High
- Target version set to Milestone 1

#### #2 - 2016-01-21 13:12 - coolo

wait\_idle is in the backend now - did that during hackweek

#### #3 - 2016-01-21 13:23 - coolo

<http://blog.famzah.net/2012/02/08/power-consumption-of-a-server-with-an-intel-e3-1200-series-cpu/> - so the hardware responds to load changes. The question is if it reacts faster than in 19s ;)

#### #4 - 2016-01-21 15:38 - coolo

in the light of all the other backends not supporting wait\_idle, the agreement is to get rid of our dependency on wait\_idle - and don't even try implementing it for IPMI

#### #5 - 2016-01-22 15:42 - coolo

Trying to get rid of wait\_idle dependency - step by step as it's really deep in our core by now ;(

<https://github.com/os-autoinst/os-autoinst/pull/401>  
<https://github.com/os-autoinst/os-autoinst-distributables/pull/962>

#### #6 - 2016-01-22 15:44 - coolo

- Subject changed from IPMI: wait\_idle to Get rid of wait\_idle to improve performance on !qemu
- Assignee set to coolo

#### #7 - 2016-02-17 14:04 - coolo

- Priority changed from High to Normal

There are some tests left to be fixed:

```
testapi::wait_idle() called at /var/lib/openqa/share/tests/sle/tests/installation/welcome.pm line 28
```

```
Debug: /var/lib/openqa/share/tests/sle/tests/installation/welcome.pm:28 called testapi::wait_idle  
testapi::wait_idle(10) called at /var/lib/openqa/share/tests/sle/tests/installation/installation_overview.pm line 27  
Debug: /var/lib/openqa/share/tests/sle/tests/installation/installation_overview.pm:27 called testapi::wait_idle  
testapi::wait_idle() called at /var/lib/openqa/share/tests/sle/tests/installation/first_boot.pm line 41  
Debug: /var/lib/openqa/share/tests/sle/tests/installation/first_boot.pm:41 called testapi::wait_idle  
testapi::wait_idle() called at /var/lib/openqa/share/tests/sle/tests/console/consoletest_finish.pm line 84  
Debug: /var/lib/openqa/share/tests/sle/tests/console/consoletest_finish.pm:84 called testapi::wait_idle
```

testapi::wait\_idle(5) called at /var/lib/openqa/share/tests/sle/lib/susedistribution.pm line 90  
testapi::wait\_idle(5) called at /var/lib/openqa/share/tests/sle/lib/susedistribution.pm line 90  
testapi::wait\_idle(5) called at /var/lib/openqa/share/tests/sle/lib/susedistribution.pm line 90  
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testapi::wait\_idle(5) called at /var/lib/openqa/share/tests/sle/lib/susedistribution.pm line 90  
testapi::wait\_idle(5) called at /var/lib/openqa/share/tests/sle/lib/susedistribution.pm line 90  
testapi::wait\_idle() called at /var/lib/openqa/share/tests/sle/tests/x11/reboot\_gnome.pm line 16  
Debug: /var/lib/openqa/share/tests/sle/tests/x11/reboot\_gnome.pm:16 called testapi::wait\_idle  
testapi::wait\_idle() called at /var/lib/openqa/share/tests/sle/lib/utils.pm line 67  
testapi::wait\_idle() called at /var/lib/openqa/share/tests/sle/lib/utils.pm line 83  
testapi::wait\_idle() called at /var/lib/openqa/share/tests/sle/tests/x11/desktop\_mainmenu.pm line 17  
Debug: /var/lib/openqa/share/tests/sle/tests/x11/desktop\_mainmenu.pm:17 called testapi::wait\_idle

#### #8 - 2016-02-22 20:48 - coolo

- Assignee deleted (coolo)
- Target version deleted (Milestone 1)

We reached an acceptable state IMO. It needs to be split into tests tasks, but somehow I don't feel it's worth it.

#### #9 - 2016-10-25 07:18 - michalnowak

On svirt backend we can perhaps use performance monitoring  
[http://libvirt.org/docs/libvirt-appdev-guide-python/en-US/html/libvirt\\_application\\_development\\_guide\\_using\\_python-Guest\\_Domains-Monitoring.html](http://libvirt.org/docs/libvirt-appdev-guide-python/en-US/html/libvirt_application_development_guide_using_python-Guest_Domains-Monitoring.html)  
instead of the pure sleep.

#### #10 - 2017-07-25 08:40 - okurz

- Has duplicate action #14410: Implement performance monitoring to svirt backend's wait\_idle() added

#### #11 - 2017-07-25 08:46 - okurz

- Status changed from New to In Progress
- Assignee set to okurz

So what I am doing is that during PR review of test code I remind people to not add wait\_idle calls and ask if they can replace it anytime they touch code that has a wait\_idle. I guess slowly we are getting there. Automatic static code checks that prevent addition of new wait\_idle calls would be nice or we just try to get rid of all wait\_idle calls at once the hard way, e.g. not verify everything, stuff will fail in production and we fix it then.

#### #12 - 2017-07-31 12:52 - okurz

<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/3359>

#### #13 - 2017-08-01 08:59 - okurz

PR merged, let's see what happens now :-)

#### #14 - 2017-08-01 20:13 - okurz

found it: [https://openqa.opensuse.org/tests/459912#step/addon\\_products/4](https://openqa.opensuse.org/tests/459912#step/addon_products/4) does not yet show the added maintenance update repo, key 'alt-n' is pressed, the key press is ignored, the repo appears, this is detected as screen change, test fails

#### #15 - 2017-08-03 11:07 - pcervinka

- Related to action #21048: [qam] test fails in tracker\_search\_in\_nautilus - keyboard press is not reaching target added

#### #16 - 2017-08-04 13:03 - okurz

- Status changed from In Progress to Feedback

Some more fixes with <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/3385>, merged. Let's see for some time now.

#### #17 - 2017-08-15 21:46 - okurz

- Status changed from Feedback to Resolved

#### #18 - 2017-08-18 04:15 - okurz

- Status changed from Resolved to In Progress

of course we also need to delete wait\_idle from the backend then

<https://github.com/os-autoinst/os-autoinst/pull/838>

**#19 - 2017-08-29 14:00 - okurz**

*- Status changed from In Progress to Resolved*

PR was discussed and changed to not remove wait\_idle but replace it by an explicit "sleep" instead and mark it properly as deprecated. That should suffice and in some years we might want to delete it then.