

openQA

Life is too short for manual testing!

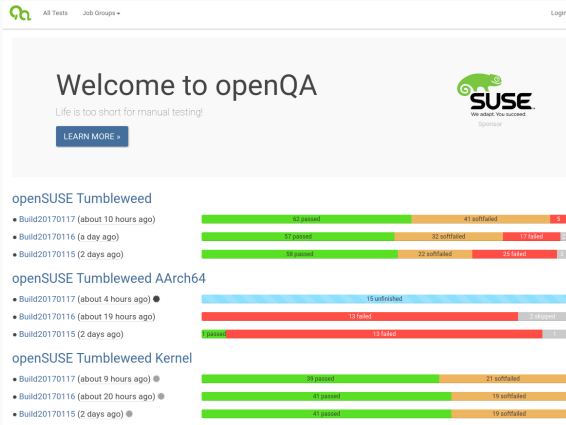
Aleksa Sarai
Software Engineer
SUSE Linux GmbH

asarai@suse.de

openQA?

- Perl-based framework to “emulate” a user.
- Has support for:
 - Running commands directly in a console.
 - Emulating a keyboard.
 - Emulating a mouse.
- Uses “needles” to compare reference screenshots taken during a test.

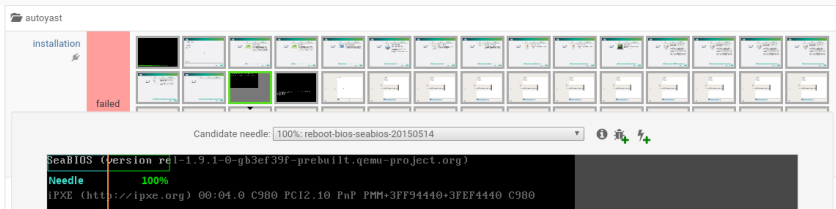
What does it look like?



- Used by openSUSE and SUSE to test distributions.
- ...also starting to be used by Fedora.

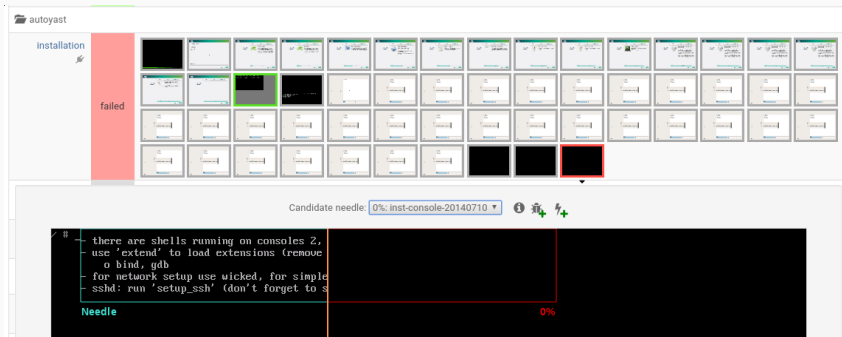
“Needles”

- OpenCV is used to compare reference “needles”.
 - It even has *fuzzy* comparison!
 - Console testing is just regular expressions.



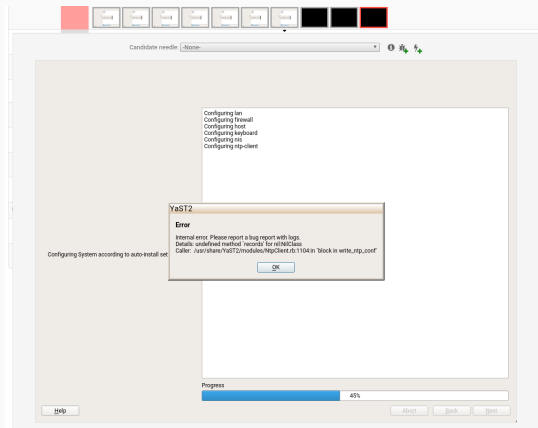
“Needles”

- OpenCV is used to compare reference “needles”.
- It even has *fuzzy* comparison!
- Console testing is just regular expressions.



Full Debuggability

- All screen changes are stored in openQA for later debugging;
- ...as are the VM disk images;
- ...as are the source CDs used to create the environment.



Use it today!

- If you're a distribution, QA testing is *really* hard.
- ...so start writing automated scripts!
- `http://open.qa/`