**openQA Tests - action #56006**

coordination # 9576 (Resolved): [epic][opensuse][sle][functional][y] VNC+SSH Installations

[functional][y][Timebox:24] Fix remote installation over ssh for openSUSE

2019-08-27 12:18 - riafarov

<table>
<thead>
<tr>
<th>Status:</th>
<th>Resolved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>High</td>
</tr>
<tr>
<td>Assignee:</td>
<td>riafarov</td>
</tr>
<tr>
<td>Category:</td>
<td>New test</td>
</tr>
<tr>
<td>Target version:</td>
<td>Milestone 33</td>
</tr>
<tr>
<td>Difficulty:</td>
<td></td>
</tr>
</tbody>
</table>

**Start date:** 2019-05-29  
**Due date:** 2020-03-24  
**% Done:** 0%  
**Estimated time:** 0.00 hour

**Description**

See parent ticket for the motivation.

Follow up on #52313. We got test suite running, but now installer fails due to some configuration issues (might be DNS or NAT). As we boot into iso, we can disable online repos, see this module: https://github.com/os-autoinst/os-autoinst-distri-opensuse/blob/master/tests/installation/online_repos.pm

So setting DISABLE_ONLINE_REPOS will do the trick.

As it’s follow up, increasing priority to get it done.

**Acceptance criteria**

1. Remote installation over ssh is tested on o3 for Leap and TW
2. New test suite is added to the development job group first, once proven to be stable is moved to the main job group

**Suggestions**

Use SLES remote_ssh_controller and remote_ssh_target_nfs test suites as a base.

See https://openqa.suse.de/tests/latest?test=remote_ssh_controller&machine=64bit&flavor=Installer-DVD&distri=sle&arch=x86_64&version=15-SP1
https://openqa.suse.de/tests/latest?arch=x86_64&version=15-SP1&test=remote_ssh_target_ftp&machine=64bit&flavor=Installer-DVD

There is worker class tap.
riafarov has access to the machine, so candidate to pair up.
Setup should just work, so fixing is out of scope.

We need to create support_server image which works with dhcp and dns roles.
Secondly, we will have to adjust code for the network configuration which works with wicked as we have NetworkManager.
Alternative will be to get images which have wicked.

For the development we can trigger support_server as normal (not MM test) and once everything works there, we can trigger it as a part of MM test.

**History**

#1 - 2019-08-27 12:18 - riafarov
- Copied from action #52313: [functional][y] Enable remote installation over ssh for openSUSE added

#2 - 2019-08-28 08:49 - riafarov
- Description updated
- Status changed from New to Workable
- Estimated time set to 5.00 h

#3 - 2019-08-28 12:05 - JERiveraMoya
- Status changed from Workable to In Progress
We were already clicking "no" (default behaviour) to activate online repos in https://openqa.opensuse.org/tests/1017908, so previous verification run with DISABLE_ONLINE_REPOS does not work because it tries to do it explicitly after clicking "yes" and seems that this path does not work: https://openqa.opensuse.org/tests/1019417#step/online_repos/4. Perhaps using ftp in SLE was a requirement and not an additional step in the test?

This run is better to compare with sle 15 sp2 because I setup iso to leap 15, but obviously fails because it is not using wicked.

In this one using new image Leap 15.0 (all inclusive!) I don't get the error with the medium in the target, wondering if it is really ok, because I have to create needles again, but...I don't remember I could get so far in previous runs:
https://openqa.opensuse.org/tests/1024855#step/remote_controller/15
https://openqa.opensuse.org/tests/1024856#step/bootloader/7
In parallel, I'm creating script with the command required to setup the support server in one VM.

I caught something on video of the DVD setup that could be a bug? https://openqa.opensuse.org/tests/1025004/file/video.ogv#t=71.04,71.08

I'm creating script with the command required to setup the support server in one VM.

After bug fix it should "just" work, so let's cross check once we have the patch.

Target is still failing on booting.

- Subject changed from [functional][y] Fix remote installation over ssh for openSUSE to [functional][y][Timebox:24] Fix remote installation over ssh for openSUSE
- Due date changed from 2019-10-08 to 2019-10-22
- Priority changed from High to Normal
#17 - 2019-10-10 09:04 - ybonatakis
- Status changed from Workable to In Progress
- Assignee set to ybonatakis

#18 - 2019-10-11 15:17 - ybonatakis
i bumped into a bug running the job locally which prevents me to investigate further. Probably it has nothing to do with the main problem as it appears in the first place ([https://openqa.opensuse.org/tests/1025002](https://openqa.opensuse.org/tests/1025002)). Although i think that something also happening to the controller and loses the connection with the target. But there are not logs in the job and as i cant reach the same result locally, i cant be sure what it causes it. I filed a bug ticket[0] against the first finding.

[0] https://bugzilla.suse.com/show_bug.cgi?id=1153771

#19 - 2019-10-12 08:39 - ybonatakis
There is the following trace in the serial.

```plaintext
starting setuid -wc inst_setup yast
[ 596.254515] general protection fault: 0000 [#1] SMP PTI
[ 596.255083] CPU: 0 PID: 3793 Comm: y2start Tainted: G W 5.3.4-1-default #1 openSUSE Tumblewe (unreleased)
[ 596.257161] RIP: 0010:__queue_work+0x1f/0x3d0
[ 596.257571] Code: 00 49 39 d6 75 bd e9 6e ff ff ff ff ff 0f 1f 44 89 89 44 55 53 48 83 ec 10 <f6> 86 02 01 00 00 01 0f 85 df 02 00 00 48 bd eb 83 b5 80 46 86 c8
[ 596.259475] RSP: 0018:ffffab3a80f87aa0 EFLAGS: 00010086
[ 596.260145] RAX: 0000000080000000 RBX: 0000000000000286 RCX: ffffffefa6907ed0
[ 596.261036] RDX: fffffc003e8bdc0 RSI: eba702d91d3c0a72 RDI: 0000000000000200
[ 596.261899] RBP: 0000000000000200 R08: ffffffffca05d2f7ed0 R09: ffffffa05d2f7ed0
[ 596.262810] R10: 0000000000000200 R11: ffffffffca05d2f7ed0 R12: eba702d91d300a72
[ 596.263544] R13: 0000000000000200 R14: 0000000000000200 R15: ffffffffca05d2f7ed0
[ 596.264237] FS: 00007f0100a82740(0000) GS:000000005bcb0000(0000) knlGS:0000000000000000
[ 596.265001] CS: 0010 DS: 0000 ES: 0000 CR0: 0000000080050033
[ 596.265535] CR2: 00007f0fa801a218 CR3: 000000005bcb0000 CR4: 0000000000000060
[ 596.266221] DR0: 0000000000000000 DR1: 0000000000000000 DR2: 0000000000000000
[ 596.266923] DR3: 0000000000000000 DR6: 00000000fffe0ff0 DR7: 0000000000000000
[ 596.267620] Call Trace:
[ 596.267858] queue_work_on+0x85/0x90
[ 596.268216] btrfs_wq_submit_bio+0xa9/0xc0 [btrfs]
[ 596.268687] btree_submit_bio_hook+0x53/0xc0 [btrfs]
[ 596.269159] ? btree_csum_one_bio+0x1f0/0x1f0 [btrfs]
[ 596.269641] submit_one_bio+0x31/0x50 [btrfs]
[ 596.270096] btree_write_cache_pages+0x313/0x330 [btrfs]
[ 596.270739] ? __switch_to_asm+0x36/0x70
[ 596.271131] ? entry_SYSCALL_64_after_hwframe+0x8b/0xbe
[ 596.271649] ? __switch_to_asm+0x34/0x70
[ 596.272032] ? __switch_to_asm+0x40/0x70
[ 596.272399] ? __switch_to_asm+0x34/0x70
[ 596.272766] ? __switch_to_asm+0x40/0x70
[ 596.273134] ? __switch_to_asm+0x34/0x70
[ 596.273501] ? __switch_to_asm+0x40/0x70
[ 596.273868] ? __switch_to_asm+0x34/0x70
[ 596.274235] ? __switch_to_asm+0x40/0x70
[ 596.274604] ? __switch_to_asm+0x34/0x70
[ 596.275002] do_writepages+0x43/0xd0
[ 596.275359] ? __schedule+0xe26/0xd60
[ 596.275724] __writeback_single_inode+0x3d/0x340
[ 596.276175] writeback_single_inode+0xaff/0x120
[ 596.276595] write_inode_now+0x85e/0xc0
[ 596.276950] iput+0x1e6/0x1d0
[ 596.277248] close_ctree+0xl6/0x310 [btrfs]
[ 596.277653] generic_shutdown_super+0x6c/0x100
[ 596.278073] kill_anon_super+0x14/0x30
[ 596.278434] btrfs_kill_super+0x12f/0x0 [btrfs]
[ 596.278901] deactivate_locked_super+0x36/0x70
[ 596.279341] cleanup_mnt+0x1d0/0x150
[ 596.279697] task_work_run+0x0/0xc0
[ 596.280054] exit_to_usermode_loop+0x10c/0x130
[ 596.280472] do_syscall_64+0x1bc/0x200
[ 596.280826] entry_SYSCALL_64_after_hwframe+0x49/0xbe
[ 596.281300] RIP: 0033:0x7f0f010d062b
```

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2021-05-21
I think we have to file a bug and pass it to the yast team.

#20 - 2019-10-14 08:52 - ybonatakis
- Status changed from In Progress to Feedback

#21 - 2019-10-14 09:31 - ybonatakis
- Status changed from Feedback to Blocked

#22 - 2019-10-16 09:39 - riafarov
- Due date changed from 2019-10-22 to 2019-12-03
- Target version changed from Milestone 28 to Milestone 30+

#23 - 2019-11-19 15:00 - riafarov
- Due date changed from 2019-12-03 to 2019-12-17
- Assignee changed from ybonatakis to riafarov

Should be fixed rather soon.
Due date changed from 2019-12-17 to 2020-01-28

Target version changed from Milestone 30+ to Milestone 30
bulk moved to M30 for revisiting

Due date changed from 2020-01-28 to 2020-03-10
Status changed from Blocked to Workable
Assignee deleted (riafarov)
Target version changed from Milestone 30 to Milestone 33

As per comments in https://bugzilla.suse.com/show_bug.cgi?id=1153771 this should work now, so we can attempt to finally make it running for openSUSE

I cleaned up some settings not needed according to what we did with vnc and used a recent TW support server: https://openqa.opensuse.org/tests/1199178, still some missing needles and we need to check for other issues.

Seems ok: https://openqa.opensuse.org/tests/1199268
Enabled in TW.
Missing part is to remove soft-failure where we type 'ctrl-alt-del' in the target and comment in the bug if is still not working.

Due date changed from 2020-03-10 to 2020-03-24
Priority changed from Normal to High

Copied from deleted (action #52313: [functional][y] Enable remote installation over ssh for openSUSE)

Parent task set to #9576

JERiveraMoya wrote:

Seems ok: https://openqa.opensuse.org/tests/1199268
Enabled in TW.
Missing part is to remove soft-failure where we type 'ctrl-alt-del' in the target and comment in the bug if is still not working.

Hmm, I believe these are 2 different bugs, VNC is still need a workaround as https://bugzilla.suse.com/show_bug.cgi?id=1164503 is still open. But you are right, that we should not apply that step in SSH installation;

Assignee set to riafarov

Status changed from Workable to Feedback

So the test works fine in TW, and relevant soft-failure is provided. Once a bug is fixed, we can remove it along with workaround.
I've contacted Lubos regarding enabling of the scenario for Leap, as it's downstream of SLES, we might want not to increase execution time for the builds.

Status changed from Feedback to Resolved
No response from Lubos, resolving.