# qe-yast - action #67126

coordination # 42854 (Closed): [functional][y][epic] Introduce relevant installation validation test modules

## [functional][y] Add validation module for nis mm tests

2020-05-21 16:02 - syrianidou_sofia

| Status: | Resolved | Start date: | 2020-05-21 |
|---|---|---|---|
| Priority: | Normal | Due date: | 2020-06-30 |
| Assignee: | syrianidou_sofia | % Done: | 0% |
| Category: | | Estimated time: | 8.00 hours |
| Target version: | SLE 15 SP2 | | |

### Description

In order to verify that "yast nis_server" and "yast nis" configuration on nis mm tests, works properly, a new module can be created for each test with following steps:

NIS server:
(as root)

- useradd nis_user -> in the current test, /home/nis_user folder is created and shared via nfs, so in order to avoid extra steps, the user added should be "nis_user".
- passwd nis_user
- chmod nis_user:users /home/nis_user -> current owner of the folder is "root".
- cd /var/yp
- make -> nis database needs to be aware of the new user.
- Check if /etc/defaultdomain and /etc/idmapd.conf contain the nis domain (nis.openqa.suse.de). At maps setup of nis_server module, all entries are selected. There can be a check in /var/yp/nis.openqa.suse.de/ if entries correspond

NIS client:
(after above actions on nis server are completed)

- ypcat passwd | grep nis_user / ypmatch nis_user passwd / getent passwd nis_user -> one option out of three, in order to verify that the client connection to nis server database is successful and new user is visible.
- su - nis_user
- pwd -> verify home directory of nis_user is /home/nis_user
- echo "nis works"> file1 -> verify write
- grep "nis works"  -> verify read
- Check if /etc/yp.conf exists and has the entry "ypserv"
- Check if /etc/nsswitch.conf has expected entries e.g. "netgroup: files nis"
- Check if /etc/defaultdomain contains the nis domain

We should also extract settings to use same value for configuration and validation.

### History

#### #1 - 2020-05-21 16:03 - syrianidou_sofia

parent ticket: https://progress.opensuse.org/issues/65349

#### #2 - 2020-05-27 09:38 - riafarov

*- Due date set to 2020-06-16*

*- Category set to Enhancement to existing tests*

*- Target version set to SLE 15 SP2*

I would only add some validation for the nfs version, if is explicitly set. And maybe for the mount options and nis policy settings, wdyt?

Other than that looks good.

#### #3 - 2020-05-28 15:21 - syrianidou_sofia

***Some additional options***

Server:

- We could add checks for nfs e.g. if /etc/export nfs options include "rw" and "no_root_squash" as defined during yast configuration but this is verified already in the last step of nis_server. Also, in module nis_client the last step is to echo a string in a file in nfs folder, as root which would fail if rw and no_root_squat were not in the export parameters.
- Check if /etc/defaultdomain and /etc/idmapd.conf contain the nis domain (nis.openqa.suse.de). At maps setup of nis_server module, all entries are selected. There can be a check in /var/yp/nis.openqa.suse.de/ if entries correspond

Client:

- Check if /etc/yp.conf exists and has the entry "ypserv "
- Check if /etc/nsswitch.conf has expected entries e.g. "netgroup:     files nis"
- Check if /etc/defaultdomain contains the nis domain

**#4 - 2020-06-02 10:14 - riafarov**

*- Parent task set to #42854*

**#5 - 2020-06-03 09:00 - riafarov**

*- Description updated*

*- Status changed from New to Workable*

*- Estimated time set to 8.00 h*

**#6 - 2020-06-08 14:00 - syrianidou_sofia**

*- Status changed from Workable to In Progress*

*- Assignee set to syrianidou_sofia*

**#7 - 2020-06-16 07:18 - JERiveraMoya**

PR (on draft): Add validation of yast2 NIS configuration functionality

**#8 - 2020-06-16 08:33 - riafarov**

*- Due date changed from 2020-06-16 to 2020-06-30*

**#9 - 2020-06-18 10:34 - syrianidou_sofia**

*- Status changed from In Progress to Feedback*

PR: https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/10505

Not sure if I should run VRs for opensuse or remove the tests from development job group.

**#10 - 2020-06-26 10:21 - syrianidou_sofia**

*- Status changed from Feedback to Resolved*

Test modified for osd and o3. After new build in o3, passed ( https://openqa.opensuse.org/tests/1315191 ). Updated Test plan.