Collabora

LibreOffice
The Document Foundation

SUSE

Top 25 New Features in (Auto)YaST

MySQL

LINUX MAGAZINE

datto

ADMIN Network & Security

fedora

TUXEDO COMPUTERS

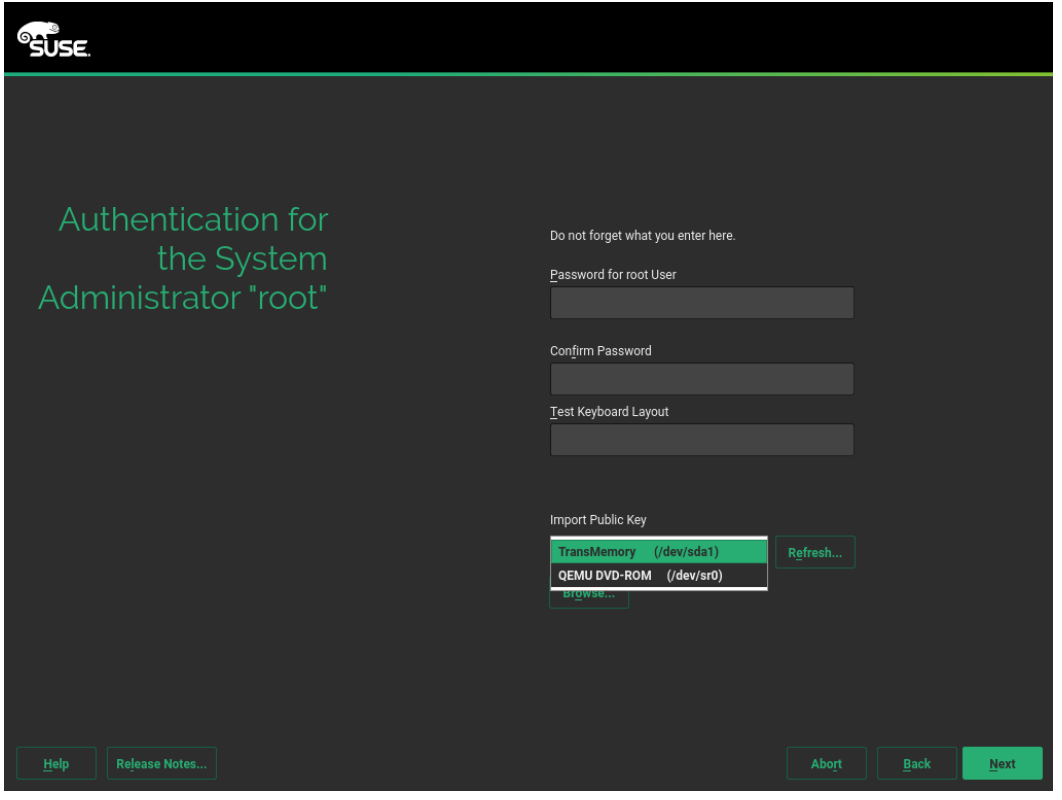
.riessapplications

Required Magic
advanced technology

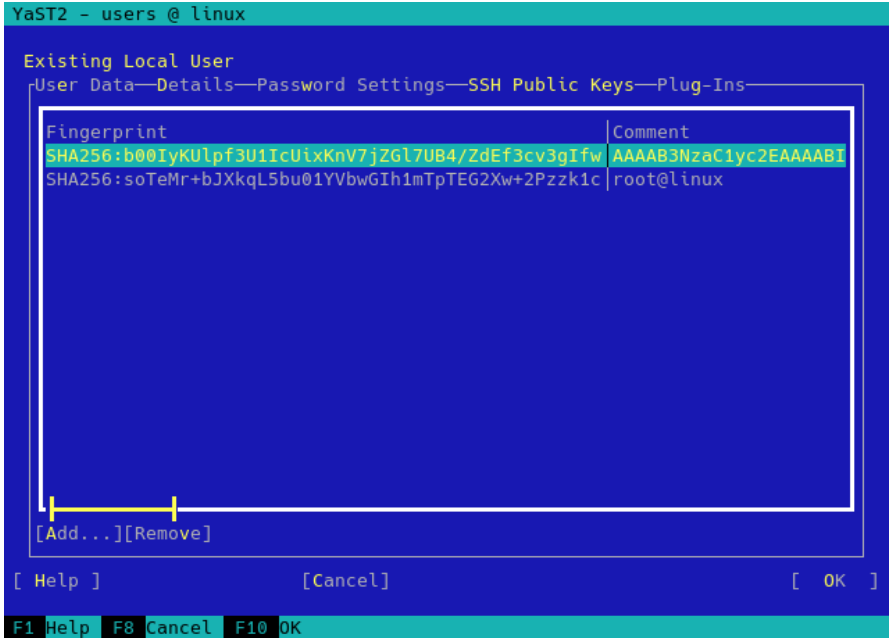
Passwordless SSH Authentication

- Installation: SSH-based root authentication
- System: management of SSH keys for users
- Introduced in 15.1

Passwordless SSH Authentication

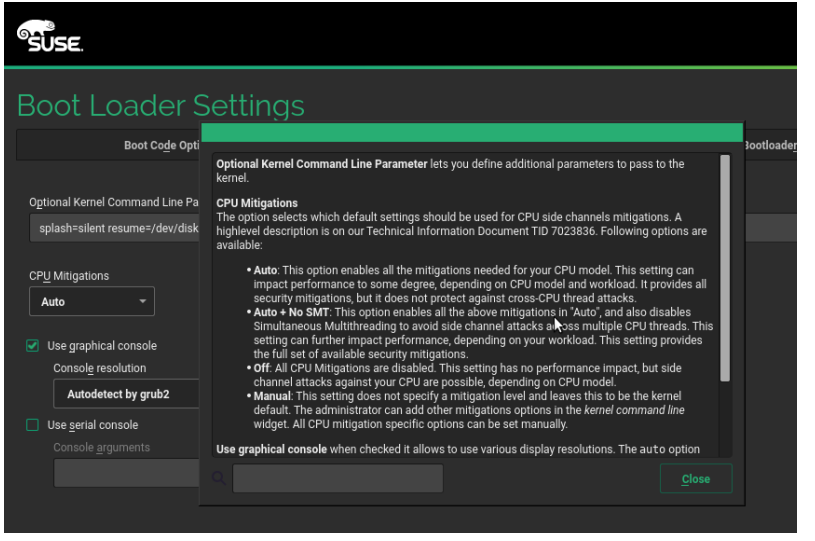


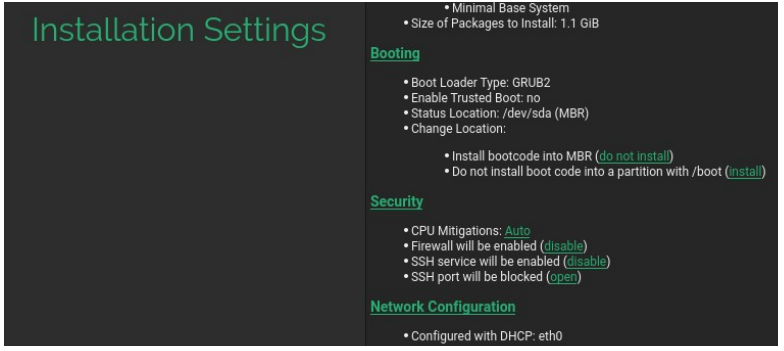
Passwordless SSH Authentication



Mitigation of CPU Vulnerabilities

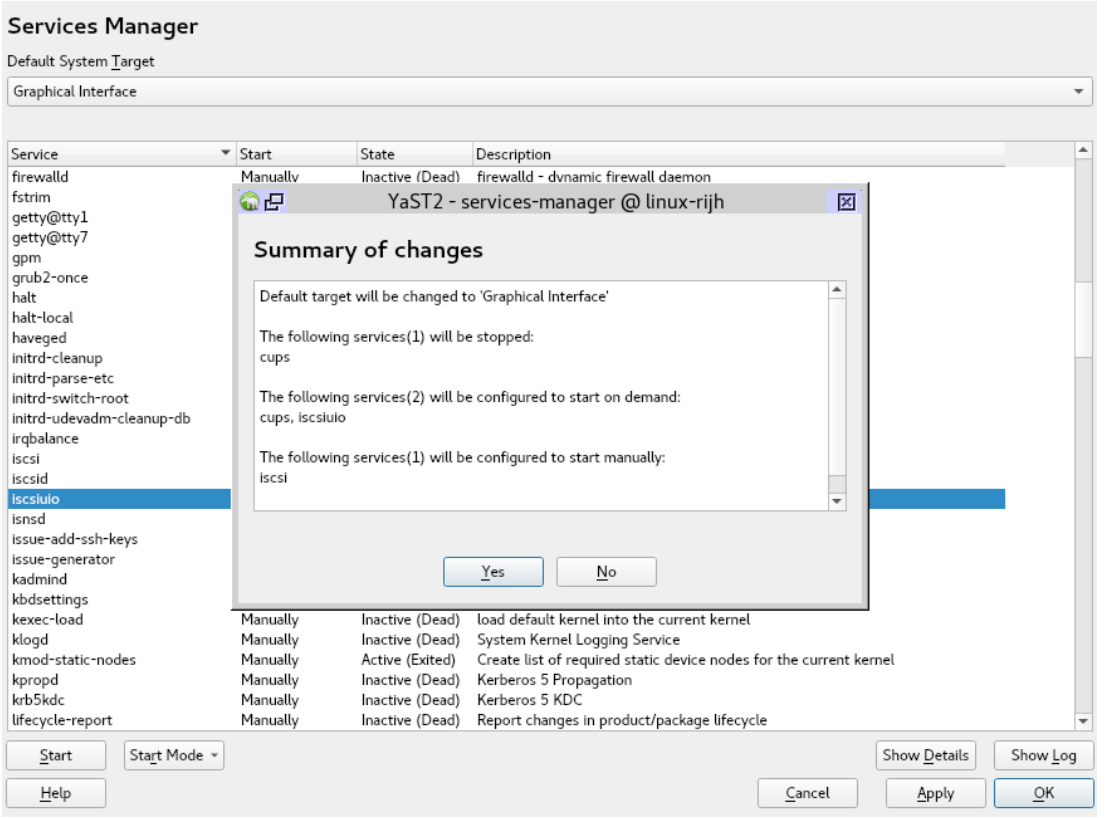
- Easy configuration of protection against Spectre and Meltdown
- Adjustable in YaST Bootlader
- Configurable during installation
- Introduced in 15.1
- Backported to 15.0





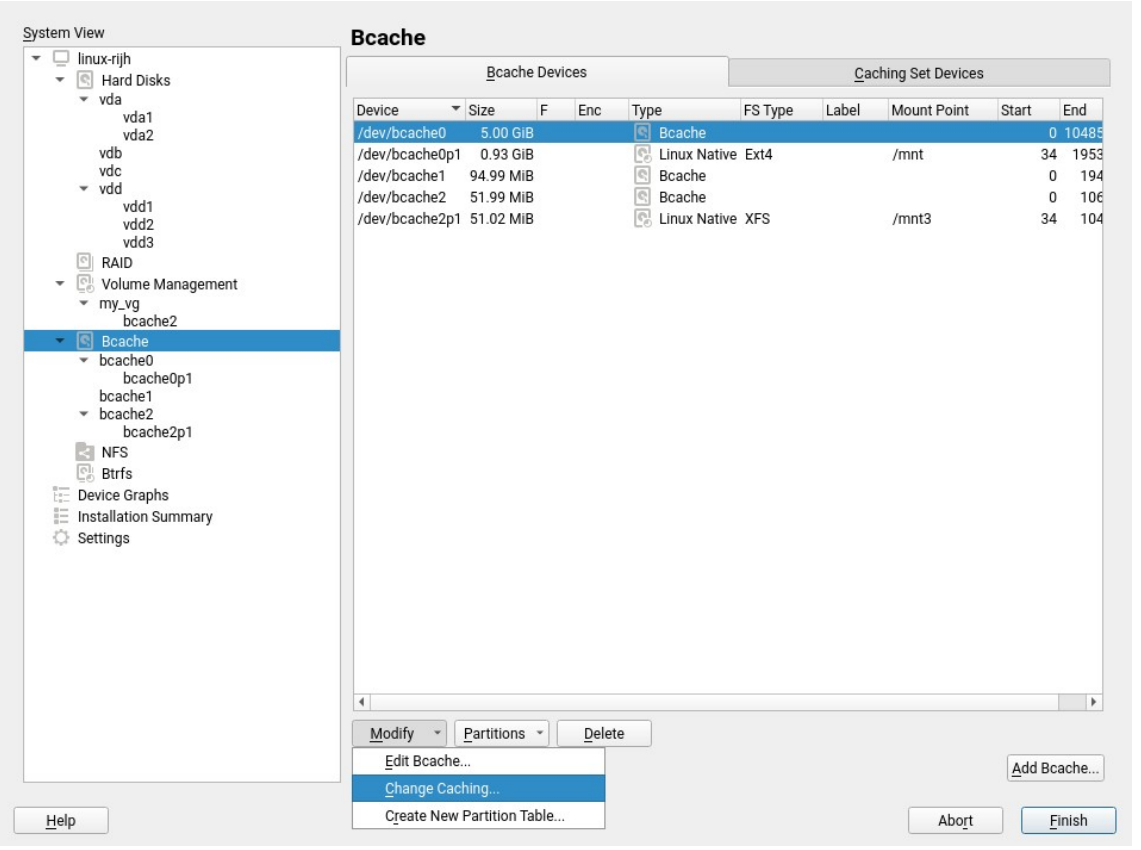
Improved Services Management

- Introduced in 15.1



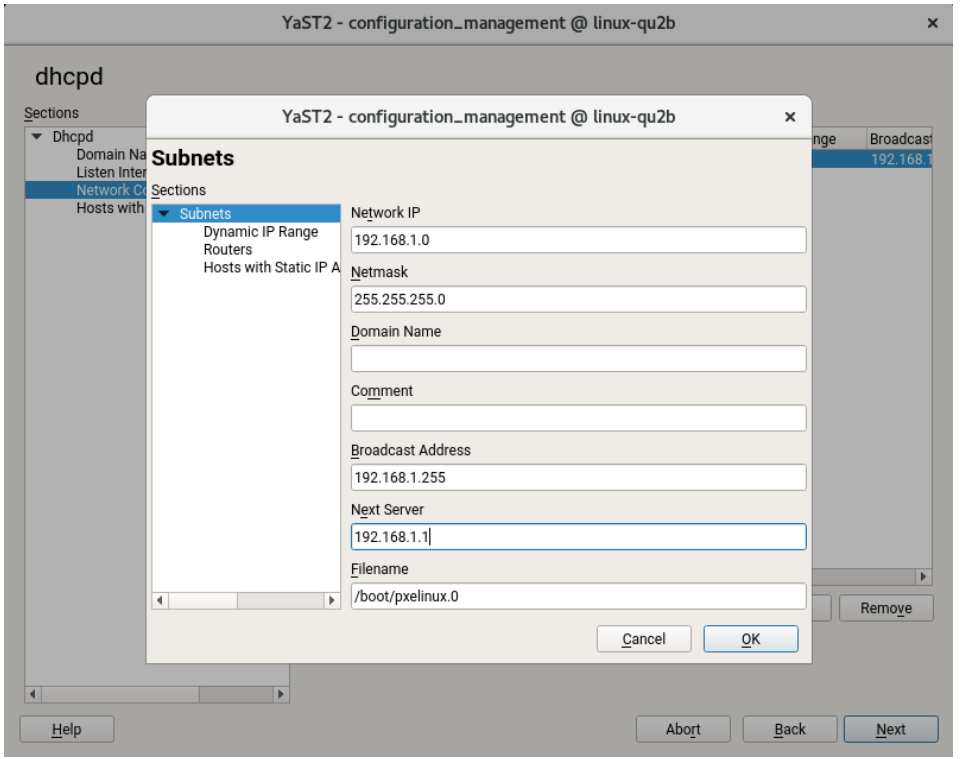
Bcache Management

- Introduced in 15.1



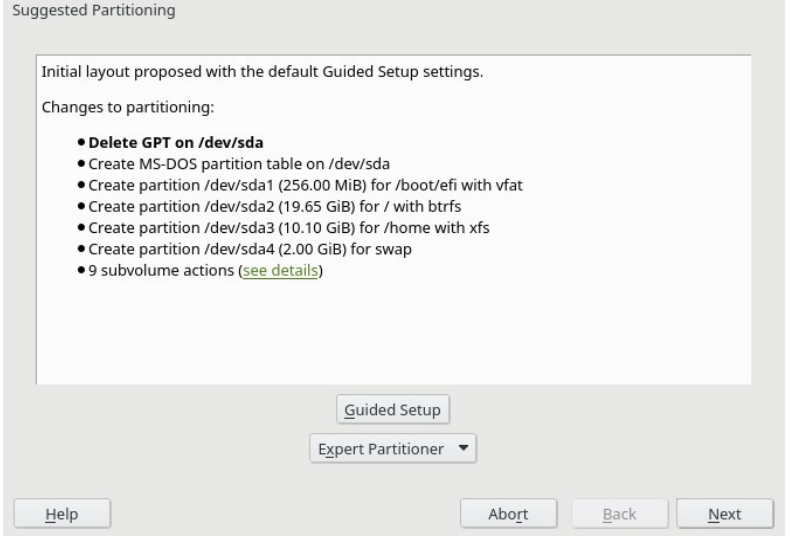
More Powerful Configuration Management

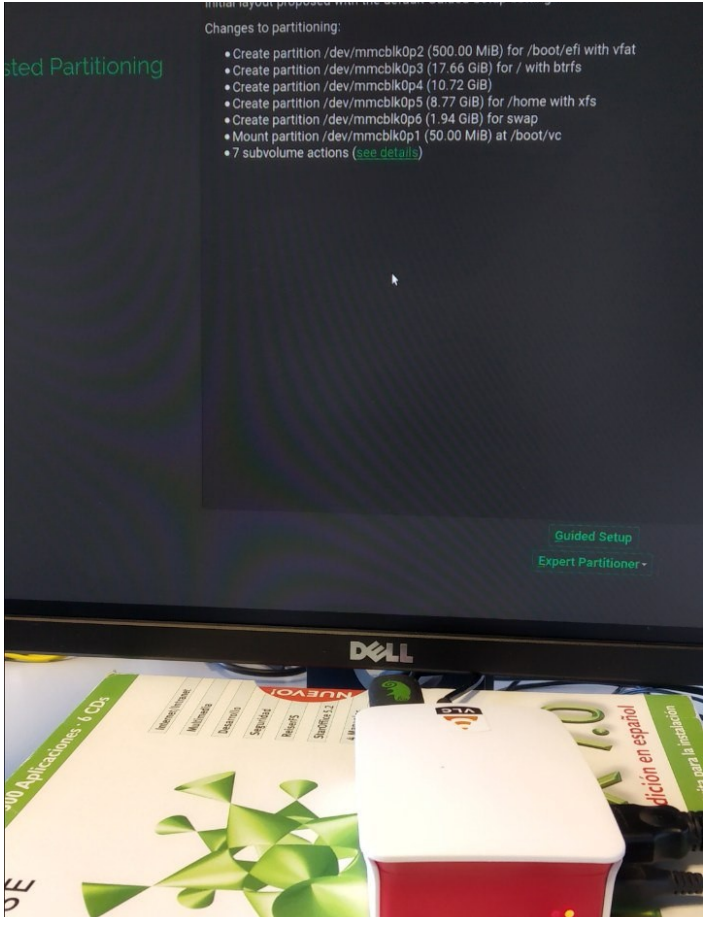
- Updated support for SUMA Salt Parametrizable Formulas
- Firstboot support
- Introduced in 15.1



Installer Support for Raspberry Pi

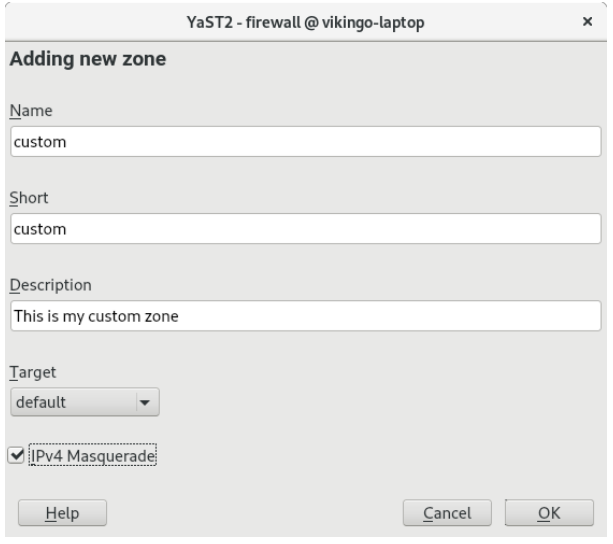
- Introduced in 15.1
- Improved in 15.2

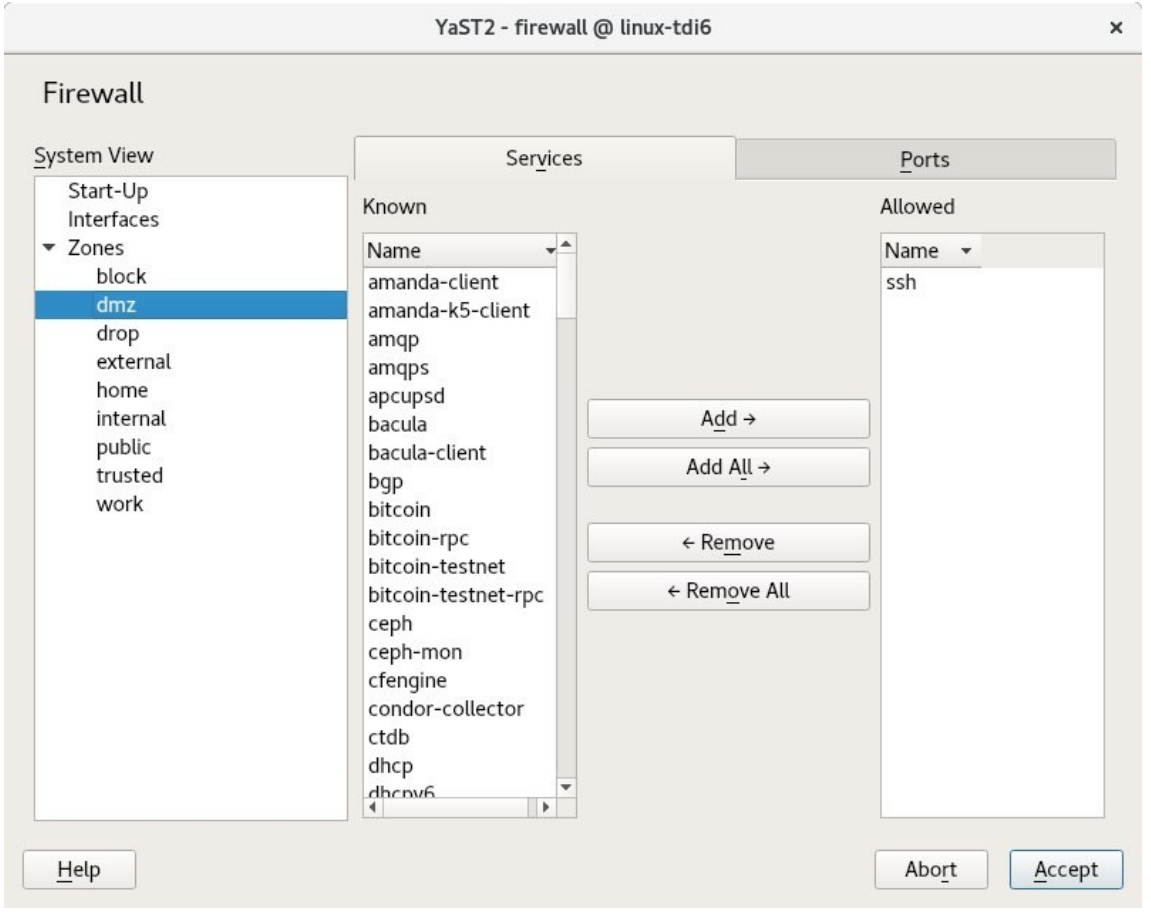




Firewalld configuration

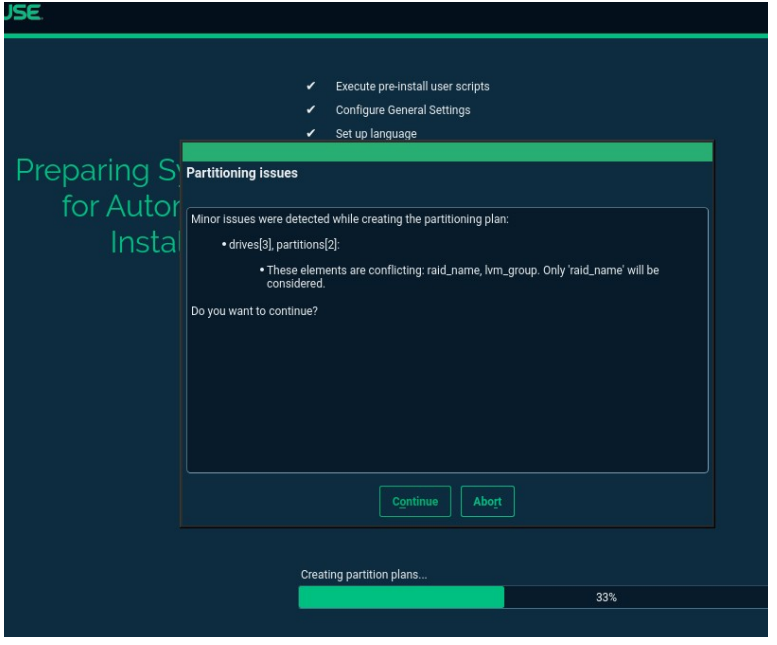
- Introduced in 15.1
- Improved in 15.2





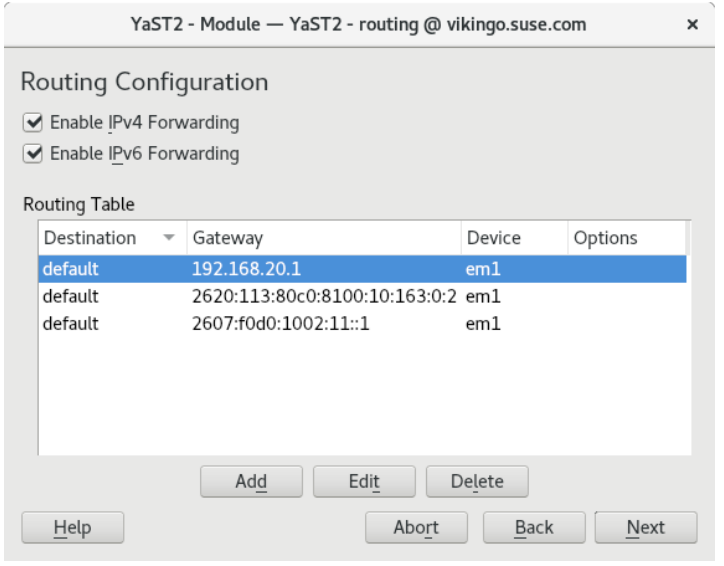
Better error reporting in AutoYaST

- Introduced in 15.1
  - General mechanism, errors reported early
  - Basic checks for <partitioning>
- Introduced in 15.2
  - Advanced consistency checks for <partitioning>
  - Network-related checks
  - Firewall checks



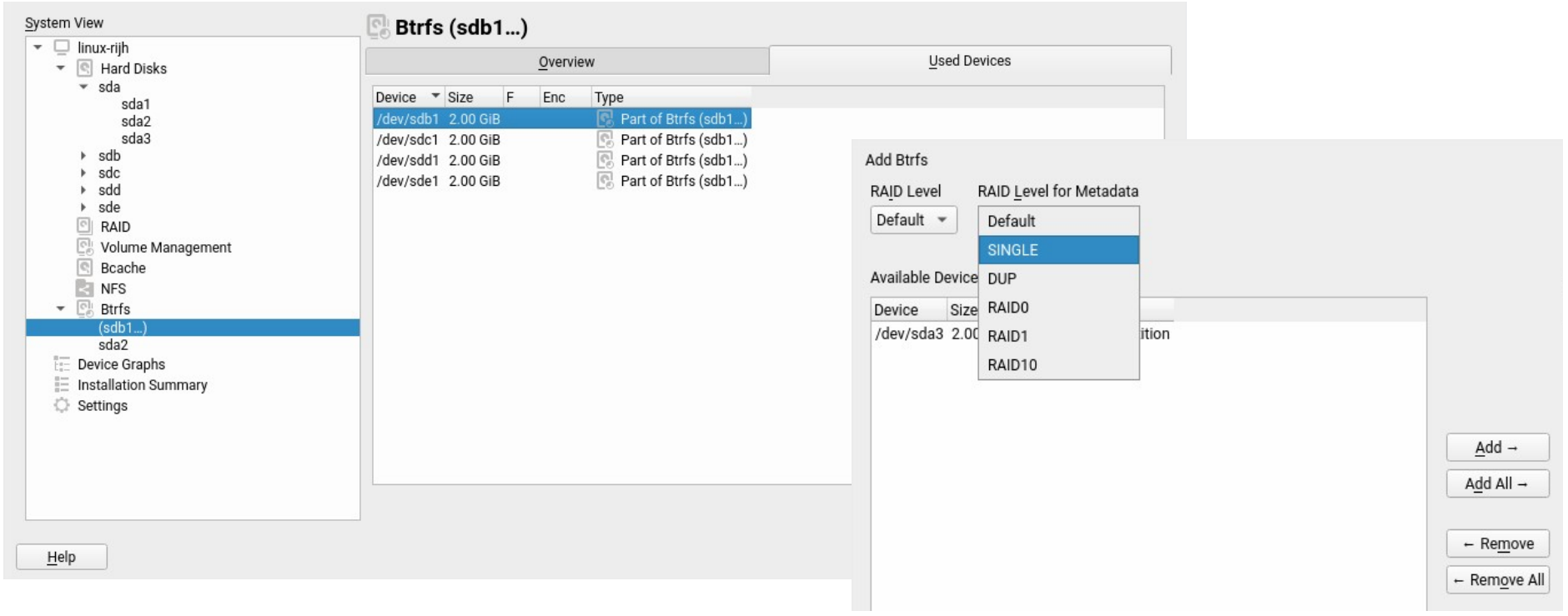
Improvements in Several Network Screens

- Wireless configuration (simplified workflow + specific tab)
- Improved overview of bonds and bridges
- Completely revamped UI for routing
- Better support for s390 systems
- Better udev rule handling
- Introduced in 15.2



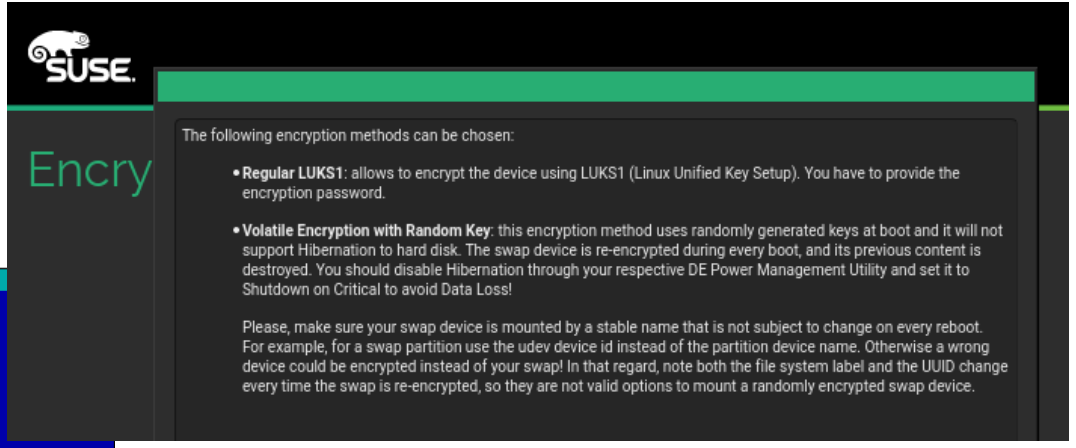
Multi-device Btrfs

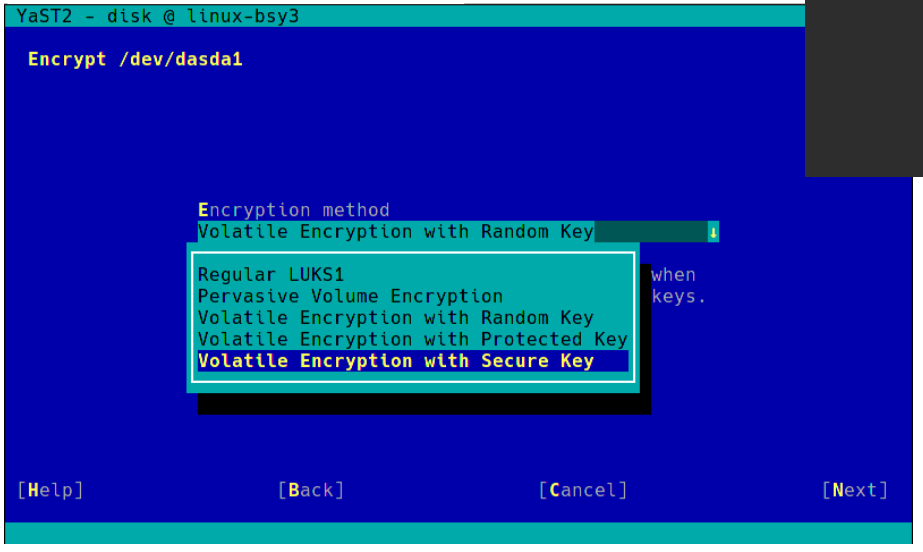
- Introduced in 15.2



Advanced Encryption Features

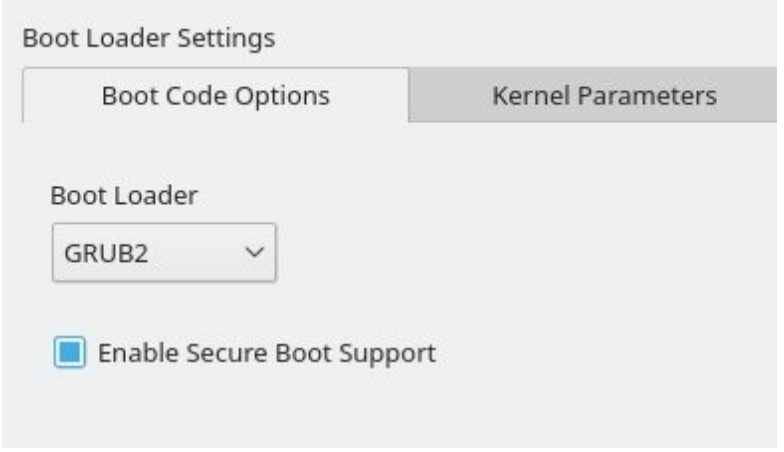
- Introduced in 15.2

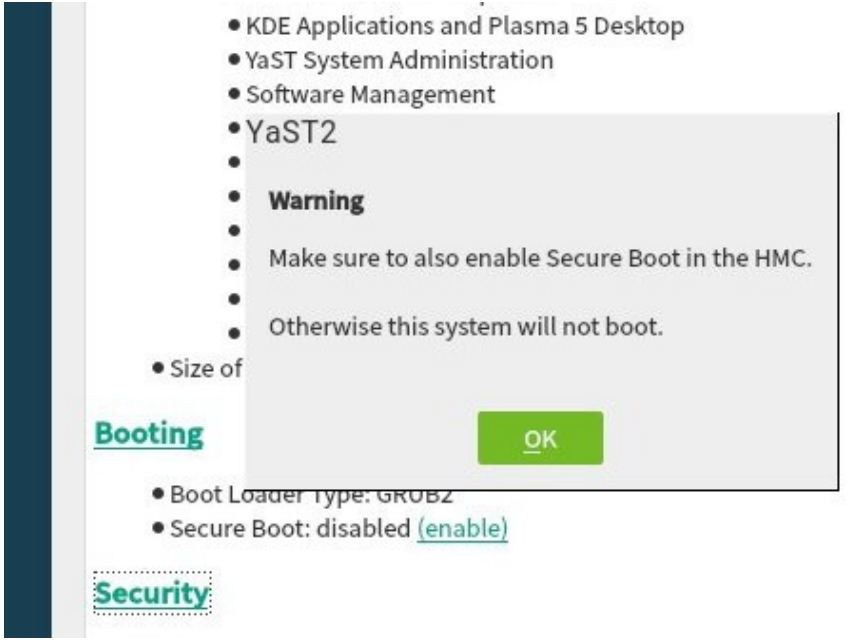




Secure Boot Support for IBM zSeries

- Special feature available only in some recent mainframes
- Unified interface with UEFI Secure Boot
- Introduced in 15.2



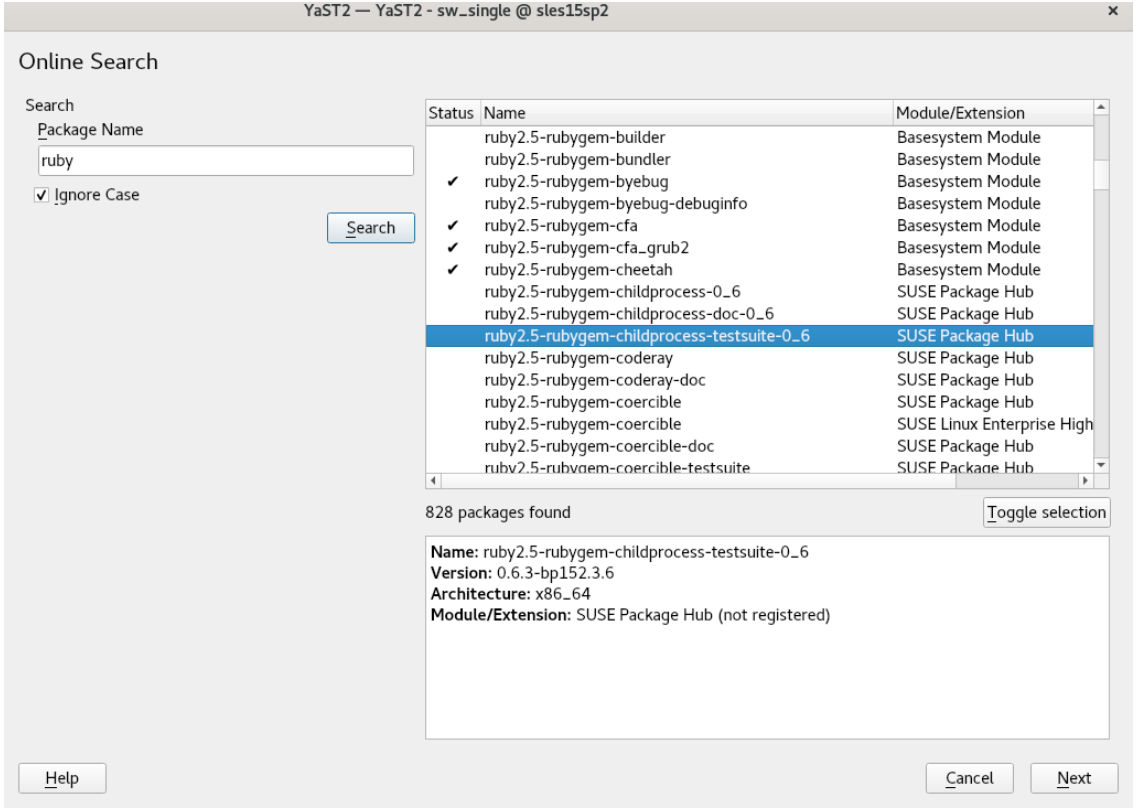


Improved Compatibility with WSL

- Windows Subsystem for Linux
- Only WSL1 so far
- Firstboot does not try to use systemd
- Firstboot can be used to register the system
- The control center only displays working modules
- Introduced in 15.2

Online Search for SUSE Linux Enterprise

- Introduced in 15.2



YaST NTP Client & Systemd

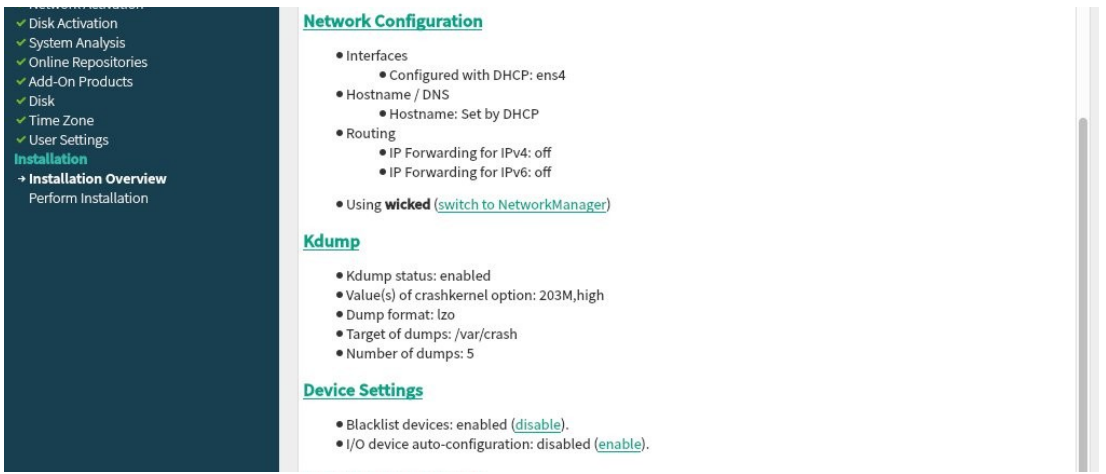
- Use a new systemd timer
- No more cron
- The new timer conflicts with the chrony daemon
- Introduced in 15.2

Split of Configuration Files

- Helping users to cope with the new “`/etc` + `/usr/etc`” layout
- Better overview of all the `/etc/something.d/` directories
- Consolidate files and represent current active settings
- Write to sensible files (eg. `/etc/sysctl.d/70-yast.conf`)
- Introduced in 15.2 (`sysctl`, `logins.defs`)
- Continuously improving in Tumbleweed

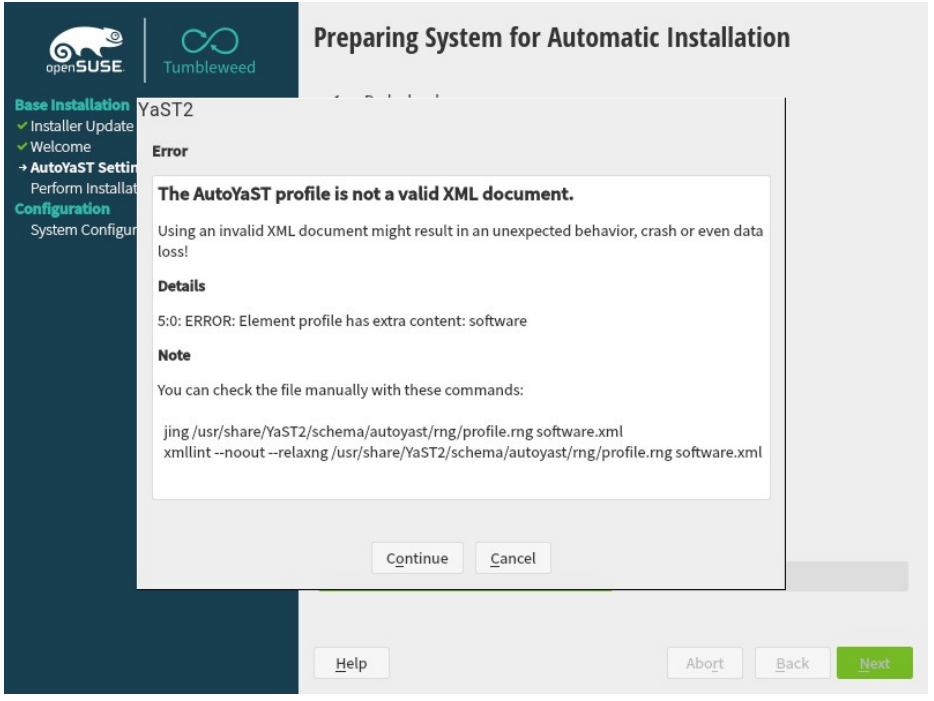
I/O device auto-configuration for zSeries

- Special feature available only in some recent IBM mainframes
- Introduced in SLE-15-SP2 quarterly update
- Also available in Tumbleweed



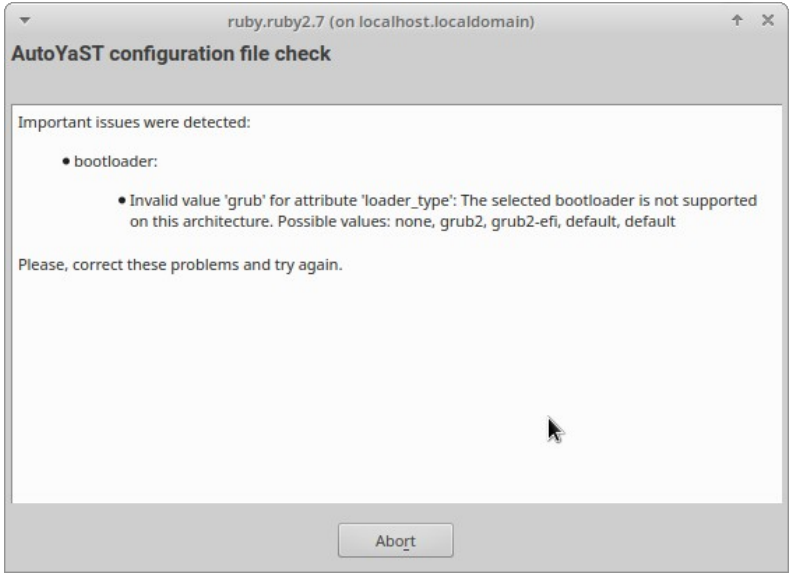
AutoYaST Profile: Better XML Parser

- More precise conversion XML ↔ data
- Accurate error reporting
- Optional concise syntax
- Integrated validation
- Only Tumbleweed so far



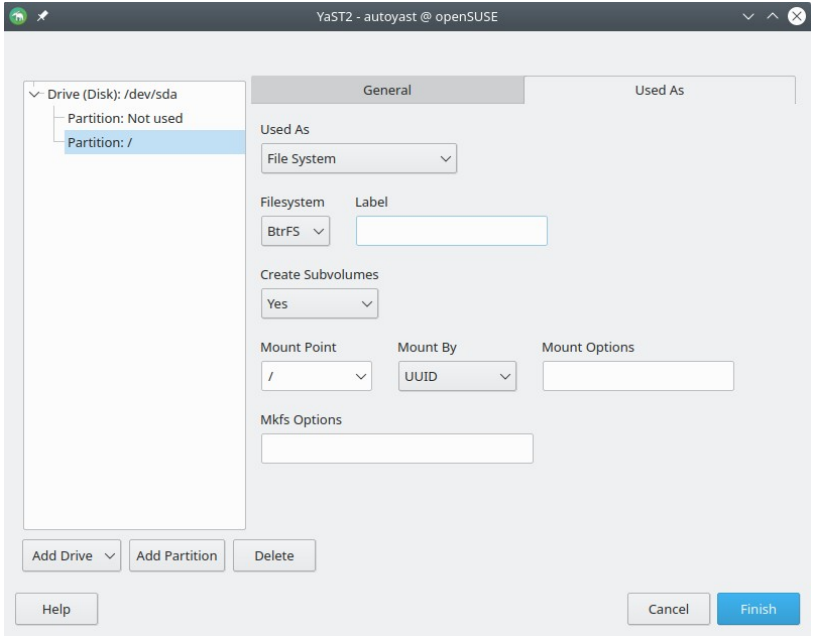
Dynamic AutoYaST Profiles with ERB

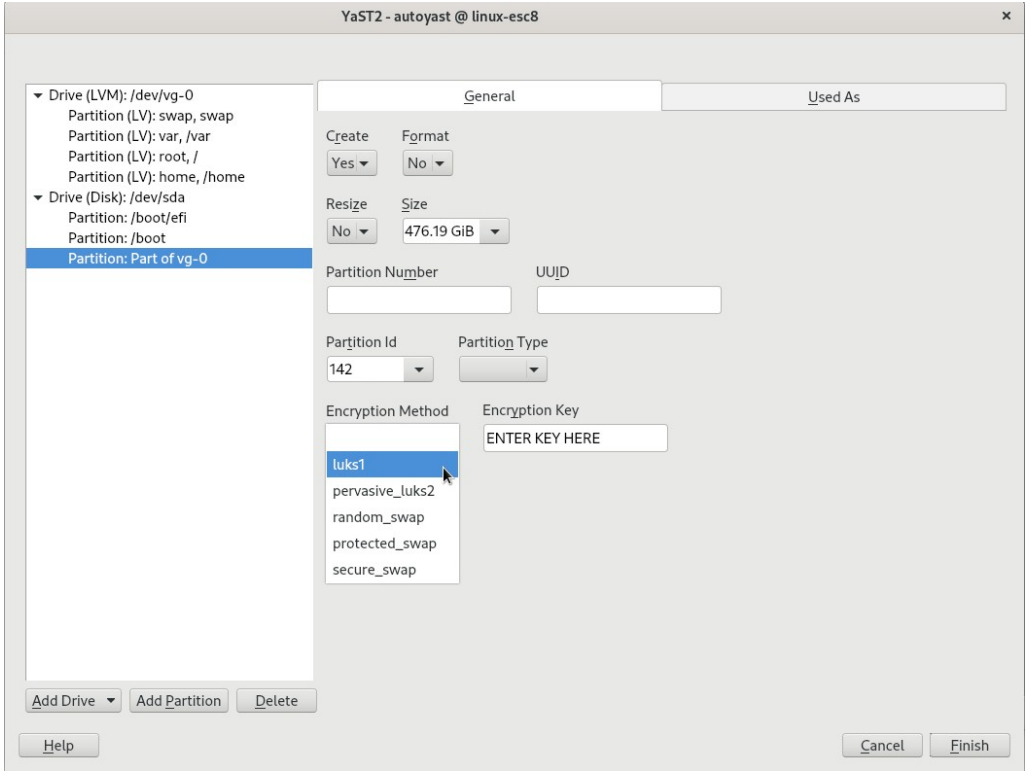
- Compatible with AutoYaST pre-scripts
- Helpers: disks, network_cards, os_release
- Test client for dynamic profiles
  - Profile fetching
  - Rules&classes, pre-scripts, ERB
  - XML syntax and schema checks
- Only Tumbleweed so far



AutoYaST UI: Editing Drives

- Only Tumbleweed so far



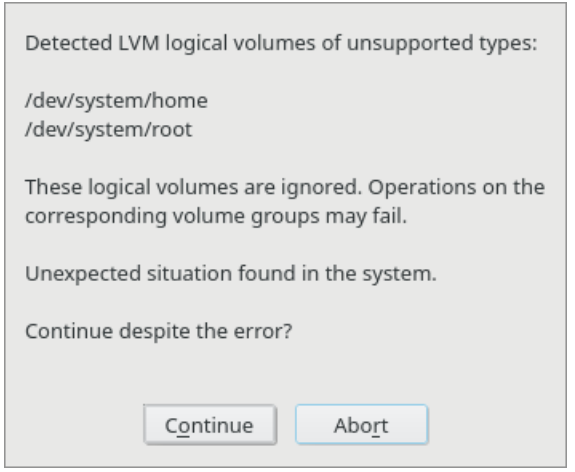


Exporting a Reduced AutoYaST Profile

- `yast2 clone_system [modules] target=compact`
  - YaST Users: do not export non-system users
  - YaST Firewall: export only modified zones
  - YaST Services Manager: export only changed services
  - ...
- Only Tumbleweed so far

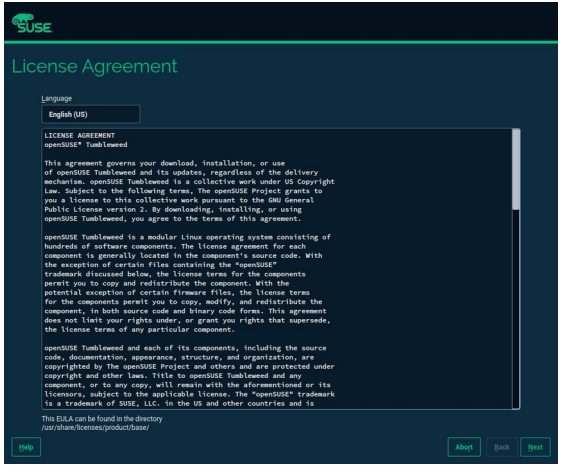
Recognizing LVM Advanced Features

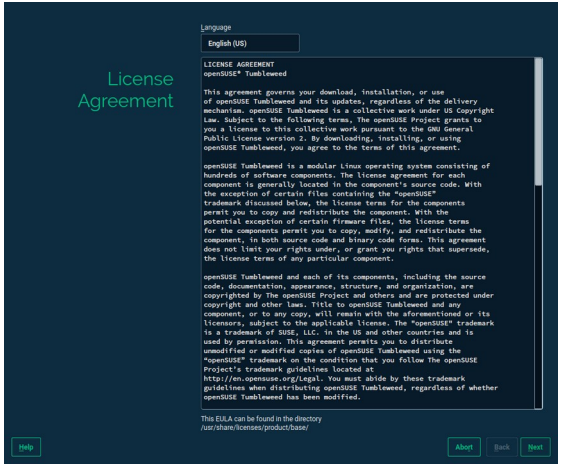
- No more warnings like this for:
  - LVM Cache
  - LVM RAID
  - Mirror logical volumes
  - LVM Snapshots (both thick and thin)
- Correct visualization (with relatively limited operation)
- Possible to upgrade a system
- Only Tumbleweed so far

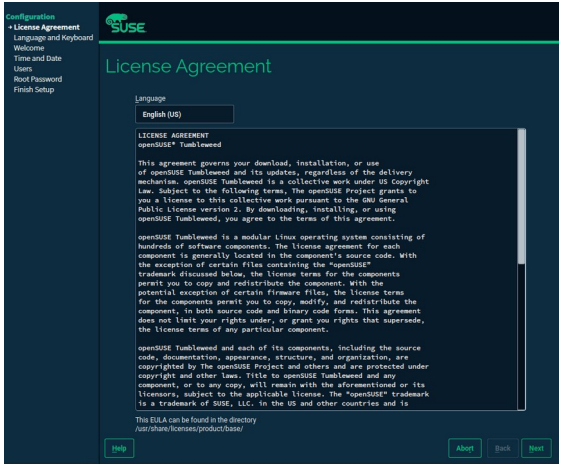


Look&Feel for Installer and YaST Firstboot

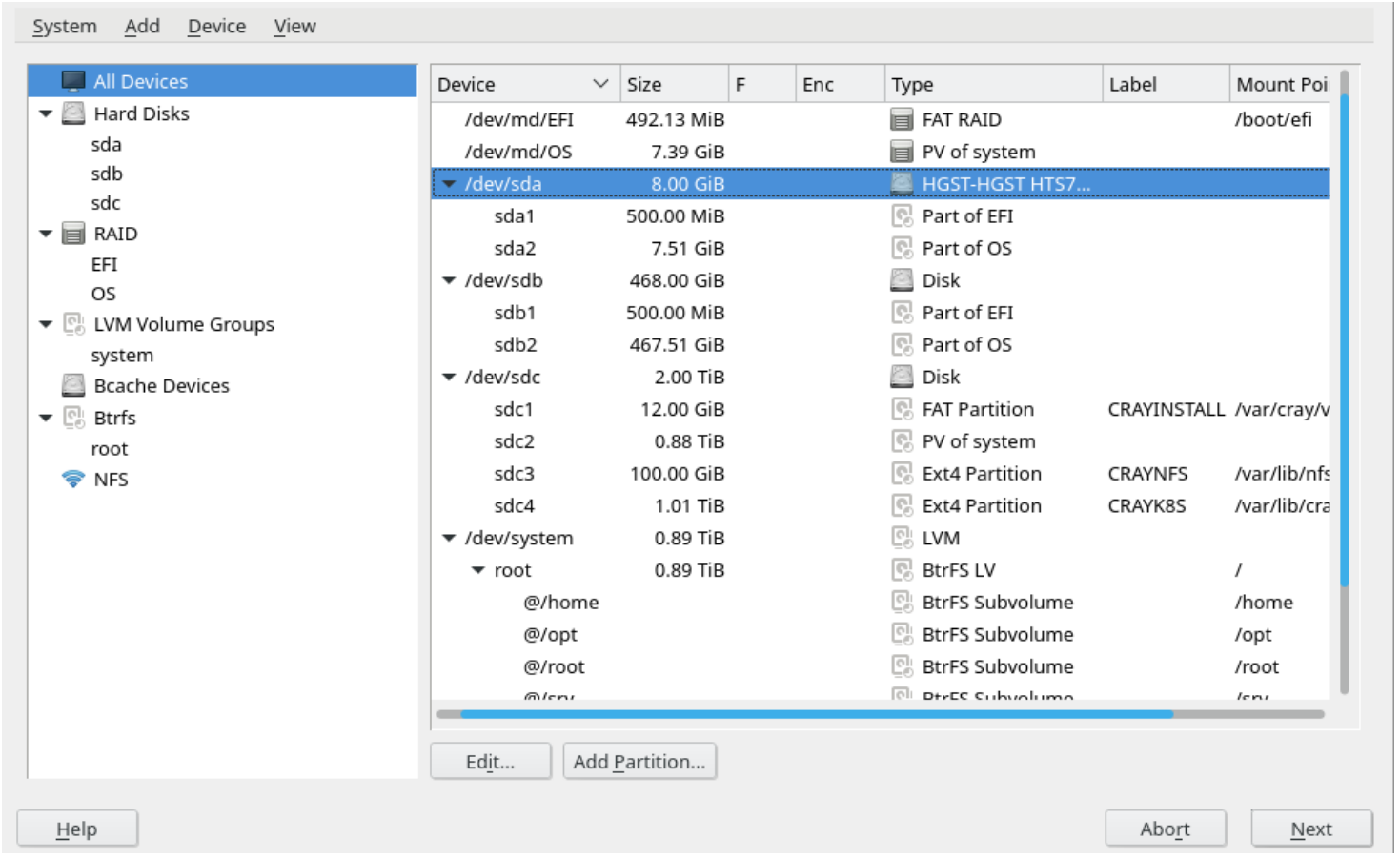
- Unified
- More configurable
- Only Tumbleweed so far







Improved Partitioner Interface



Thank You